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CANADIAN
HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XI. MONTREAL AND TORONTO, JULY 1, 1899. NO. 26



Magnolia Metal

Best Anti-Friction Metal for all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up in bars, of which this is a

FAC-SIMILE.

The name and trade mark appear on each box and bar, and besides this, the words "Manufactured in United States" and "Patented June 3, 1890" are stamped on the under side of each bar.



MAGNOLIA METAL COMPANY

LONDON OFFICE—49 Queen Victoria St.
CHICAGO OFFICE—Fisher Building, 281 Dearborn Street.
CANADIAN OFFICE—524 Board of Trade Building, Montreal.

Owners and Sole Manufacturers,
266 and 267 West St., New York

"QUEEN'S HEAD" PAYS.



CANADA

Pays the consumer, because it always does his work and is as uniform as Iron can be.

Pays the dealer, because there is always a market for it, at a fair price.

Pays the maker, because he does an enormous trade and has no claims for defective Iron.

JOHN LYSAGHT, Limited
BRISTOL, ENG. MONTREAL.

Figuring Close?

It pays to figure *close* for your customer, provided it is the Safford Patent Radiator that you are going to install for him. Figure close—don't be afraid of the profits. The Safford pays a good profit, and, better yet, *it absolutely cannot leak.* No bolts, no packing, *screw threaded nipple connections at every point.*

The Safford stands a pressure of 140 pounds to the square inch, yet it is light, durable, handsome, and fits curves, circles, angles. You can "figure close" on the Safford because you can be absolutely sure that it will give *perfect satisfaction.* It will advertise your business and your reputation too.

The Safford Radiators

AGENCIES AT
Montreal, Quebec, Winnipeg, Vancouver, London, Glasgow, Edinburgh, Belfast, Antwerp, Berlin, Christiana, Auckland, N. Z.

THE DOMINION RADIATOR COMPANY
LIMITED
Toronto, Ont.

RICE LEWIS & SON

(LIMITED)

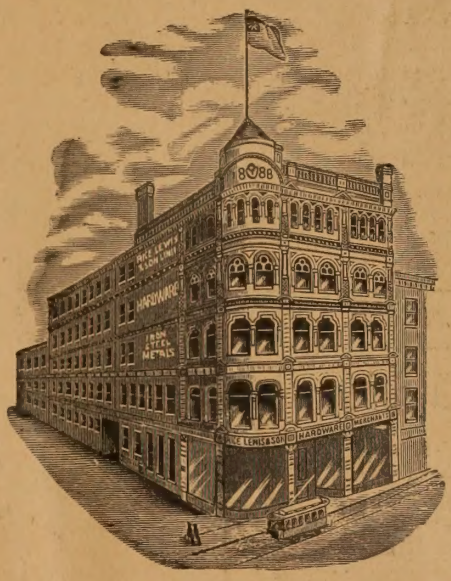
ARTHUR B. LEE, President. *A. BURDETT LEE, V. P. and Treas.*

Importers of . . .

Bar Iron
Steel
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Shelf and Heavy

Hardware



MANTELS
GRATES
TILES

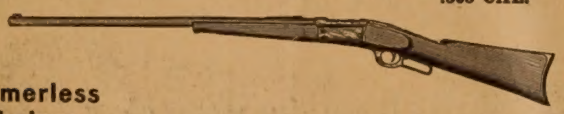
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FINE BUILDERS' HARDWARE.

Cor. King and Victoria Streets ...TORONTO

SAVAGE REPEATING RIFLE

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Hammerless
Smokeless
Six-Shooter

New 1899 Model

AGENTS:
Winnipeg, J. H. ASHDOWN
Toronto, RICE LEWIS & SON
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LATEST and FINEST Rifle manufactured.

Write for complete Catalogue W.

SAVAGE ARMS CO., Utica, N.Y., U.S.A.

Established 1825 Important Decision relating to the Established 1825

HEINISCH



TRADE-NAME ON SHEARS, TRIMMERS, Etc.

The U.S. Circuit Court, Southern District of New York, Judge Townsend, has rendered a decision in the suit of "R. Heinisch's Sons Co. vs. Hermann Boker & Co."

"The Complainant is entitled to an accounting, and to an injunction restraining them from using the names 'Heinisch' or 'H. C. Heinisch' on its Shears, Labels, etc., and otherwise, in any way which will interfere with Complainant's enjoyment of the benefits of its Trade-name."

Referring to the above decision, we would respectfully state our determination to protect our rights in the premises and warn all persons against any imitation of our Trade-name.

R. HEINISCH'S SONS CO.,

N.Y. OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

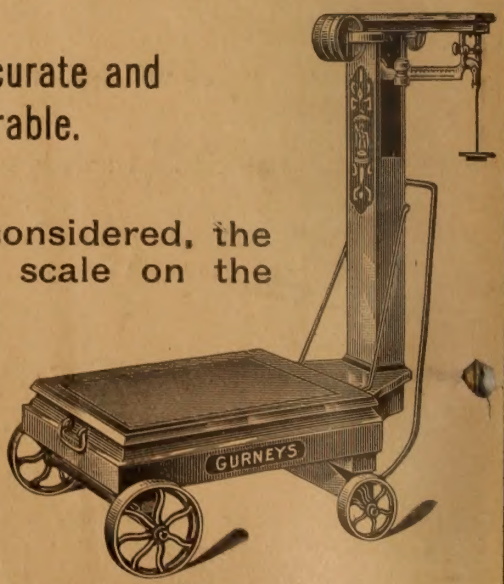
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GURNEY

Accurate and Durable.

Quality considered, the cheapest scale on the market.



THE GURNEY SCALE CO.

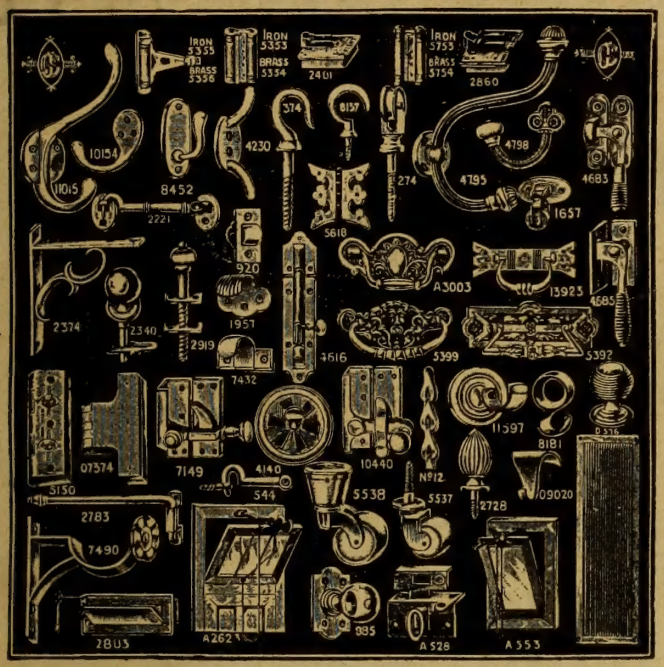
Hamilton, Ontario, Canada.

James Cartland & Son

Manufacturers of every description of **Limited**

CABINET, BUILDERS', FURNISHING AND NAVAL BRASSFOUNDRY

BIRMINGHAM, ENGLAND.



London Showrooms: 57 Holborn Viaduct, E.C.

Thresher Belts

CANADIAN RUBBER CO. EXTRA BRAND MONTREAL & TORONTO

with these brands are a guarantee in themselves of excellence . . .

Manufactured by

The Canadian Rubber Co.

Of Montreal

Factories and Head Office,

Capital, $1,500,000.00 **MONTREAL**

Ontario Branch, Toronto
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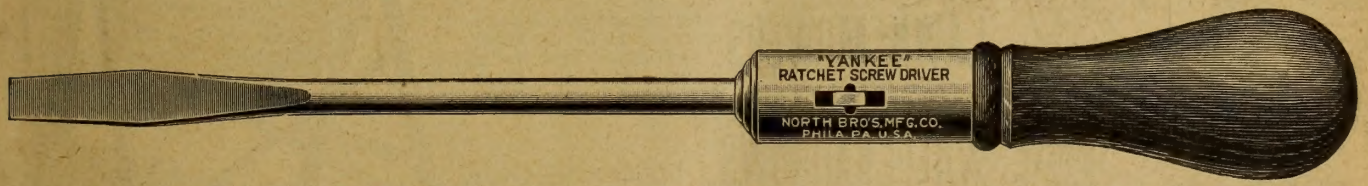
CANADIAN RUBBER CO. EXTRA HEAVY BRAND MONTREAL & TORONTO

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Samples, Lists, and Discounts.

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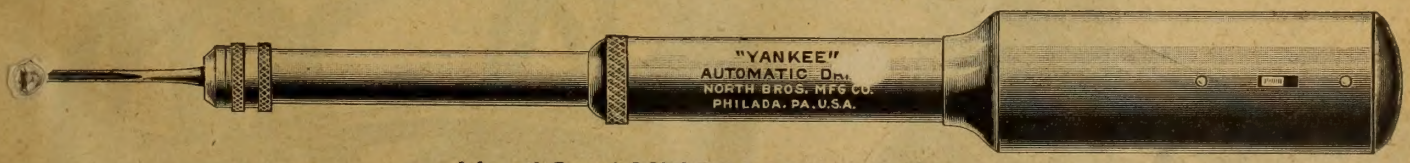
are sold by Leading Jobbers throughout the Dominion.



No. 10 RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.



No. 30 SPIRAL-RATCHET SCREW DRIVER.



No.40 AUTOMATIC DRILL.

FREE A handsome lithographed and embossed Sign in colors, on tin, to dealers handling these tools. Separate sign for each tool. Write at once which sign is wanted and it will be mailed post paid.

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North Bros. Mfg. Co.

Philadelphia, Pa., U.S.A.

KNOX HENRY.

Heavy Hardware and Metal Broker

Room 220½ Board of Trade, MONTREAL.

SPECIALTIES—**C** Brand Horse Nails—Canada Horse Nail Co.

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DESERONTO, ONT.

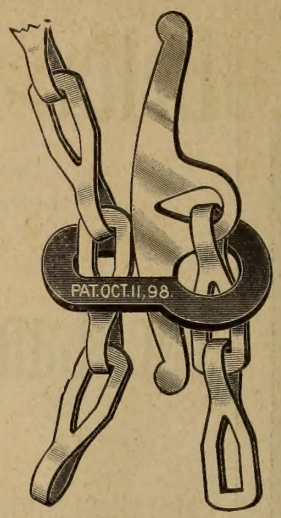
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Charcoal Pig Iron

BRAND "DESERONTO."

Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

"AMERICAN" HALTERS



are fitted with

ONEIDA LOCK RINGS

(Pat. U.S., Oct. 11, 1898; Canada, Jan. 14, 1899.)

which combine the advantages of the ordinary STATIONARY and SLIP rings while avoiding the disadvantages of both.

Ring easily ADJUSTED until Toggle is in place, then absolutely STATIONARY.

For sale by all Jobbers; manufactured only by

Oneida Community Limited

NIAGARA FALLS, ONT.

DAVID MAXWELL & SONS

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Steel Frame.

"MAXWELL FAVORITE CHURN"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive.

LAWN MOWERS.

High and Low Wheels, from 12-in to 20-in. widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate.

WHEELBARROWS.

In Four different sizes.

If your Wholesale House does not offer you these articles

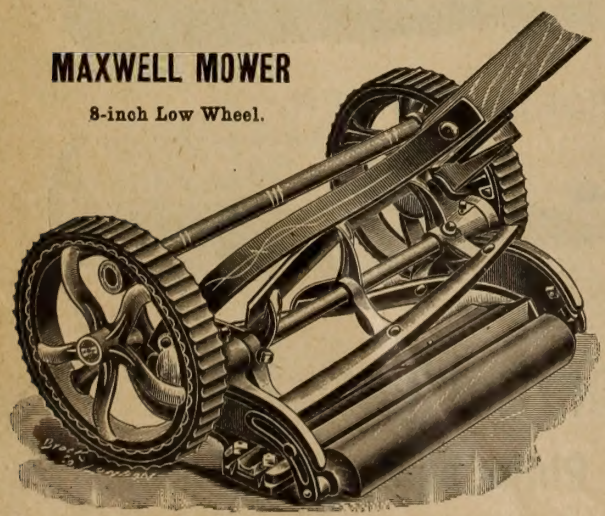
SEND DIRECT TO US.



Wood Frame.

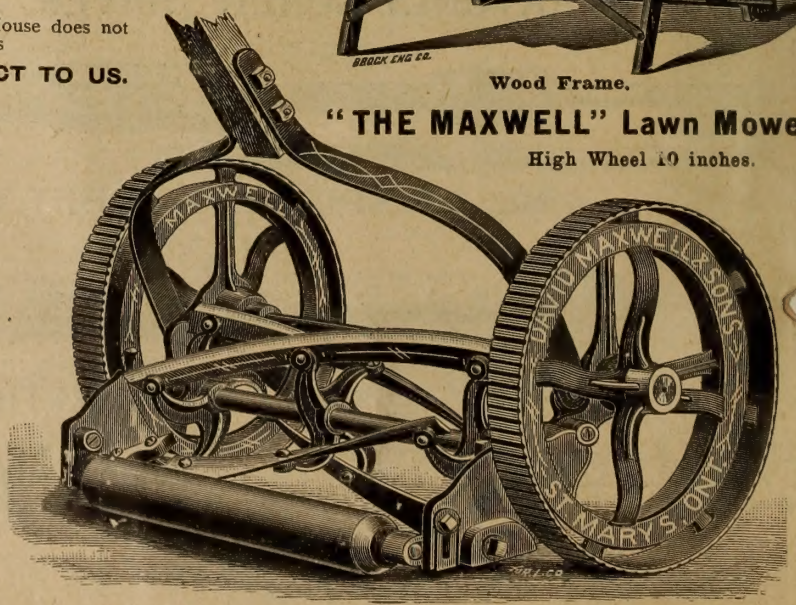
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8-inch Low Wheel.



"THE MAXWELL" Lawn Mower

High Wheel 19 inches.



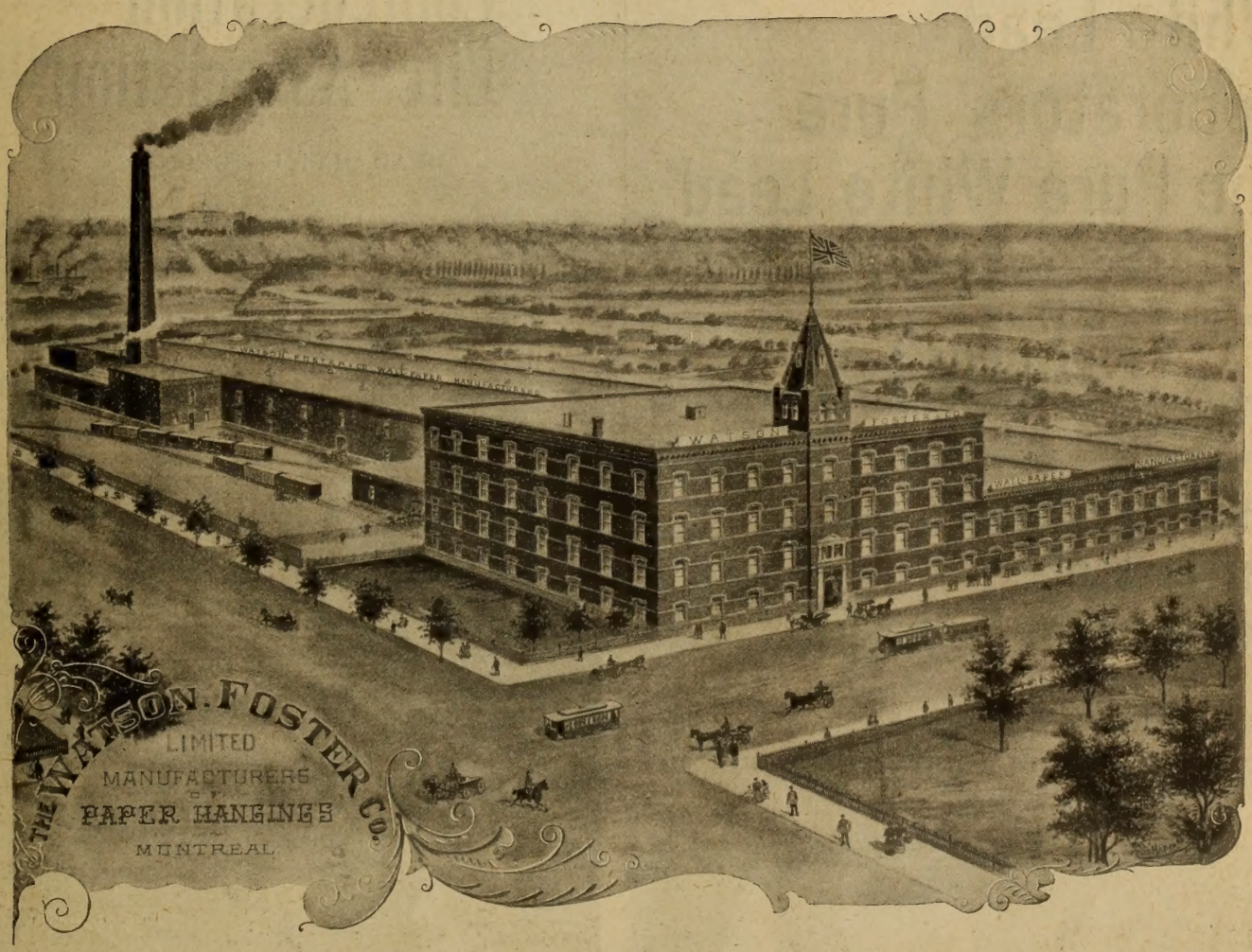
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Watson, Foster Company

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Manufacturers of all grades of WALL PAPERS

Montreal, Canada.



The Factory Producing the Most Modern, Artistic and Profitable Line of Paper Hangings on the Continent.

Largest Collection of Samples for Season 1899-1900 ever issued—136 Combinations, from the cheapest Blanks to the most fancy Gilt Papers, including Heavy Embossed Gilts on 24-oz. stock, 21 in. wide. EMBOSSED PULP EFFECTS—the newest specialty out.

NOTE.—In order to put all our Ontario customers on an equal footing as to freight, we have decided to equalize freight with Toronto for towns West of Belleville and West and North of Toronto.

DEALERS who bought too hastily in previous seasons we wish to tender a timely word of advice—WAIT till our representative calls on you in a few days with our interesting range of samples, or if YOU CANNOT WAIT write or wire us, and we will arrange to give you an early opportunity to inspect our offering.

REGISTERED TRADE MARK

ISLAND CITY

THE ISLAND CITY BRAND

White Lead
Decorators' Pure
The Pure White Lead

Excel any other brands in the market.

Manufactured by

P. D. DODS & CO.

100 Bay Street, TORONTO.

188 and 190 McGill Street, MONTREAL.

EXTENDED INSURANCE.

One of the many liberal features embodied in the **UNCONDITIONAL ACCUMULATIVE POLICY** issued by the

Confederation Life Association.

HEAD OFFICE--TORONTO.

is the provision for Extended Insurance. After two full annual premiums have been paid, the insured is entitled to Extended Insurance for the full amount of the policy for a term of years definitely stated therein. Paid-up and Cash Values also guaranteed.

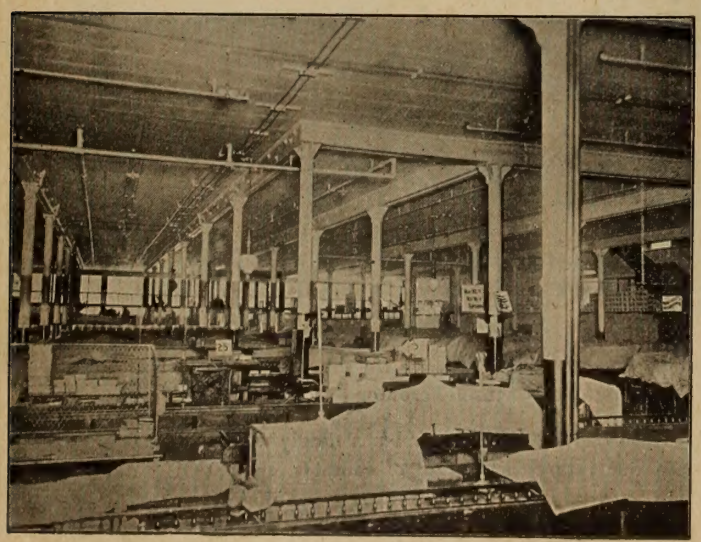
Rates and full information sent on application to the Head Office, Toronto, or to any of the association's agents.

W. C. Macdonald, Actuary.

J. K. MACDONALD, Managing Director

Cheap Fetchers and Carriers of Inexpensive Daylight.

"Luxfer Prism windows and pavement lights are a boon to progressive and thrifty merchants."



EATON'S—WITH LUXFER PRISMS.



EATON'S—WITH PLATE GLASS.

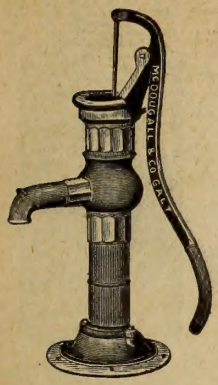
WE REST OUR CASE

upon a comparison between the amount required to light your store with Luxfer Prisms and the amount of your artificial light bills.

WRITE TO

Luxfer Prism Co., Limited.

58 Yonge St., Toronto.



IRON AND BRASS

Pumps

Force, Lift and Cistern Hand and Power.

For all duties. We can supply your wants with —quality the best and prices right. Catalogues and full information for a request.

THE R. McDOUGALL CO., Limited

Manufacturers, Galt, Canada.

Wheelbarrows

ALL KINDS.

Navvy, Garden,
Stone, Stable,
Steel Tray, Tubular.

Best and cheapest on the market. Write for prices.

Eastern Agent
ALEXANDER GIBB
22 St. John Street, - - MONTREAL.

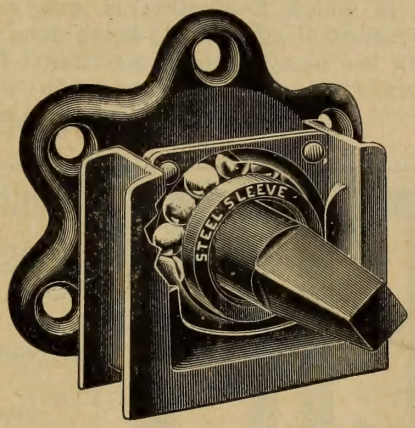
Meaford Wheelbarrow Works
CLELAND BROS. & CO.
Meaford, Ont.

The Leader Churn

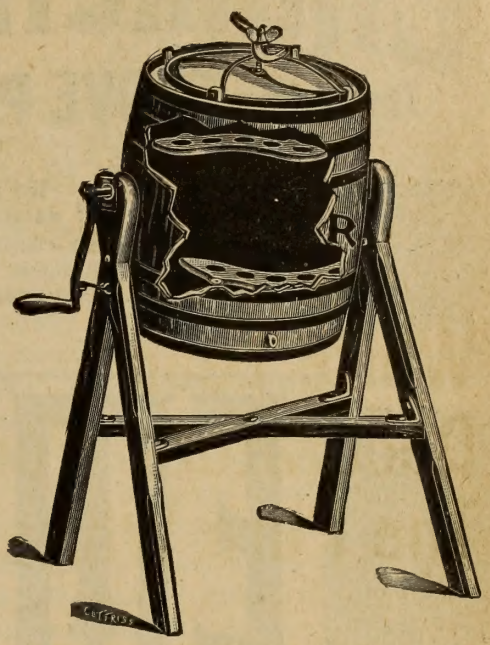
(TWO STYLES.)
1898 Stand, with lever attachment.
1899 Stand, with Anti-Friction Steel Ball Bearings

INTERNAL BREAKERS

Increase Yield—Reduce Time.
Your customers require the best churn.
Make no mistake—order Leaders.
SEND FOR PRICES.



This cut illustrates our Bicycle Ball Bearings as supplied with new pattern stands. Easiest running and most durable bearing made.



This is our Latest Stand, with Ball Bearings.

Made exclusively by

THE DOWSWELL MANUFACTURING CO., Limited

W. L. HALDIMAND & SON
32 and 34 St. Dizier St., Montreal, Eastern Agents.

HAMILTON, CANADA

BINDER TWINE.

There is none "just as good."

Pure Manila 650-ft. to the lb.

Blue Ribbon

Special Manila

Tiger

Standard

These Twines will not bunch at the knotter, and a Binder will run all day with them without stoppage, thus saving time, annoyance and an endless lot of trouble.

We pack our twine in bags of the size of ordinary grain bags and are not ashamed to put our name upon them. Don't take any other.

Consumers Cordage Company, LIMITED, Montreal.

Enameline

The Modern STOVE POLISH



PASTE.



LIQUID.



CAKE.

We present herewith cuts showing the three different forms of package in which Enameline is put on the market. The enormous amount of advertising being done to familiarize housekeepers with the name enables merchants to make quick sales. Don't load up with unknown brands—that's dead stock.

J. L. PRESCOTT & CO., New York.



EMERY

Cloth and Paper.
Glass and Flint Paper.
"Atlas" Brand

"FLORA" Knife Polish, in 3d., 6d. and 1/ tins

Ground, Washed and Flour.

WHEELS of highest quality for general and special purposes.

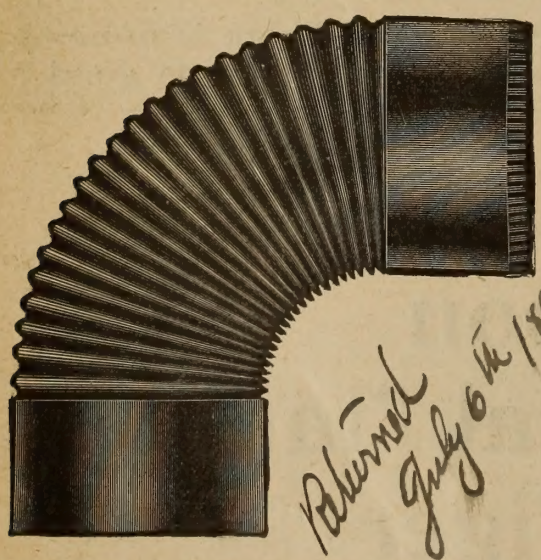
EMERY GRINDING MACHINERY



Write for Latest Catalogues and Samples to

THE LONDON EMERY WORKS CO., 10-12 Vine Street Clerkenwell, LONDON, E.C.

Agent in Canada—MR. T. L. PATON, 30 St. Francois Xavier Street, Montreal, P. O. Box 903.



KEMP'S STANDARD

One-Piece Elbows.

Made of Extra Heavy Smooth Steel; in Two Qualities.

THIS ELBOW IS POPULAR, BECAUSE

It is the Strongest Elbow Made.
It is attractive in Appearance.
It will not get damaged in Shipping,
It has a Coating which prevents Rust.
It is riveted ready for use.
It is as Cheap as the Ordinary Pieced Elbow,

The improved process of manufacture produces a short turn, therefore, less material is used, and consequently less weight per dozen, **which results in a great reduction in freight,** and a reduced cost to the buyer.

MADE IN STEEL, IN 5, 6, 7 AND 8-INCH.
MADE IN GALVANIZED IRON, IN 7 AND 8-INCH.
MADE IN TIN, IN 7 AND 8-INCH.

Kemp Manufacturing Co., ...TORONTO, CANADA.

HARDWARE AND METAL

Vol. XI. MONTREAL AND TORONTO, JULY 1, 1899. No. 26

President, JOHN BAYNE MacLEAN, Montreal.
Treasurer, HUGH C. MacLEAN, Toronto.

THE MacLEAN PUBLISHING CO.
Limited.

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

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LONDON, ENG. - - - - 109 Fleet Street, E.C., J. M. McKim.
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Subscription Canada, $2.00 Great Britain, $3.00
Published every Saturday.

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WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

BRITISH IRON MARKET AND CANADA

ONE of the features of the market reports in the British trade papers to hand are the references therein to the part Canada is playing as a customer of iron and steel.

The malleable ironmakers of Glasgow, it appears, report free inquiries from Canada for hoops and strips for pipe-making purposes. A 3,000-ton order was received by a firm in Coatbridge about two weeks ago, and a pretty high price is understood to have been paid. A good order at good prices for boiler plates on Canadian account is also reported from Scotland. From South Wales comes the statement that good orders for tinplates have been placed from Canada.

In regard to the orders for hoops and strips for pipe making, it is explained that it is years since the Dominion was a taker of these descriptions of material from Glasgow.

While we see no notice of it in the British papers, it might be mentioned that Canada is also buying more freely of British galvanized iron and black sheets. The cause of this is the fact that the laid-down cost of both these is much lower than from the United States.

While the preferential tariff may have a little to do with the fact that Canada is buying in Great Britain what she, in recent years, has been buying from the United States, yet the chief cause is undoubtedly the high prices and extreme activity which obtains in the factories of the latter country.

As far as black sheets and galvanized iron are concerned, stocks imported from the United States are practically exhausted, so that these two lines are now not factors in the Canadian market, where a short time ago they were important factors.

HOUSEFURNISHING GOODS.

The large number of marriages that are taking place are no doubt inducing live hardwaremen to take steps to secure as much of the trade which the increased number of housekeepers necessarily creates.

Ordinary hardware lines, of course, every hardwareman has ready for the new housekeepers, but how is his stock in regard to housefurnishings? And if he is carrying a well-assorted stock, what means is he employing to bring the fact before those who have just embraced matrimony or are soon about to do so?

These are questions worth considering for they entail dollars and cents.

SUITABLE SUMMER LINES.

THERE are many little articles which hardwaremen might carry in stock during the summer, and thereby increase their sales during that season.

Campers and holiday-seekers who take their summer recreation in other ways come to the hardware store for a good many lines, such goods, for instance, as fishermen's supplies, guns, rifles, ammunition and cooking utensils. But why should not hardwaremen be in a position at the same time to supply them with traveling bags, valises, flask holders and other articles of that class? We see no reason why they should not.

A small expenditure would give one a start in this line, and, by tasty window displays and judicious advertising, we feel confident the experience would be found encouraging.

Nothing venture, nothing win.

MANILA ROPE IS DEARER.

Manila rope has been advanced 1c. per lb. by the makers in Canada, and jobbers' quotations to the retail trade have been advanced by a similar amount.

The base price in Toronto is now 12c. per lb. instead of 11c.

The cause of the advance is the appreciation in the cost of hemp due in turn to the depreciation in the visible supply.

About the middle of June last year, the visible supply was 177,895 bales; in 1897 it was 244,474. Now, it is only 91,989 bales.

Cables early this week gave the receipts of hemp at Manilla last week at 2,000 bales. This caused an advance in prices in London. Later in the week there was, however, a slight reaction in London.

Manufacturers in the United States are reported to be getting a little more anxious, owing to the strength of values.

WILL THERE BE AN EXPORT DUTY ON BRITISH COAL?

GREAT BRITAIN is somewhat concerned over the future of her coal supply, and ways and means of deferring the evil day as long as possible are being seriously discussed by trade press and daily papers.

No danger is, of course, anticipated during this generation, or, in fact, during the next two or three generations for that matter. But it is the generations beyond these for whom concern is felt.

As everyone knows Great Britain does a large export trade in coal; and it is still expanding. The latest returns to which we have access are those of 1897, and these show the exports in that year to have been 35,354,296 tons, valued at £15,584,542.

The exports during the five years ending 1897 were as follows:

	Tons.	Value.
1893	27,708,128	£13,540,607
1894	31,756,368	16,524,997
1895	31,714,906	14,600,326
1896	32,947,680	14,379,712
1897	35,354,296	15,584,542

The exports during the first four months of the present year were much larger than those of the corresponding periods of 1898 and 1897. For example, this year the total was 13,146,705 tons, against 11,109,798 and 10,810,714 tons respectively, for the four month periods of 1898 and 1897.

Large and valuable as this export trade is, there are a good many in Great Britain who are willing to sacrifice it in order that the coal supply may be reserved for home industries. And, to this end, it has been suggested that an export duty be imposed. One paper suggests starting it at 6d. per ton, which, if it did not check shipments, would add £1,000,000 to the revenue, it is argued. The Newcastle Chronicle terms this "idle nonsense," yet it urges prudent people to take stock of the position, and advises the appointment of a Royal Commission to investigate. The Glasgow Herald also opposes an export duty. It says that by an export bounty "a certain amount of coal might be kept at home to provide against the day when the coal supply will be exhausted, but whether it would be worth keeping at the cost of so much immediate loss and inconvenience is another question."

The Iron and Steel Trades Journal ventures the opinion that it would be idle nonsense to assert that 6d. per ton would check the foreign demand for British coal, "but," it adds, "having collected £1,000,000 in one year for the national exchequer, the tax could be doubled again, until the drain on the most valuable of our national resources ceased. * * * An export duty on coal, even if it were not heavy enough to check the shipments, would add something to the cost of fuel abroad, and would be indirectly of benefit to the British manufacturer."

At present the United Kingdom leads the world as a coal producer. The output in 1897 was 202,000,000 tons. The United States was next with 179,000,000 tons; France, 30,000,000 tons, and Belgium, 22,000,000 tons.

Coal beds, like all other things material, cannot last forever. But as long as coal is wanted it will probably be found somewhere, for, while the process is slow, the earth is ever manufacturing the article.

Should Great Britain in a century or so hence be without coal of its own, Canada will be quite willing to supply her with enough to keep the furnaces of her factories supplied with fuel. But it is possible coal will not be wanted in that day.

BICYCLE CONSOLIDATION.

THE majority of the leading bicycle manufacturers of the United States held a meeting in the Waldorf-Astoria, New York, to consider the consolidation of their business in a trust, to be capitalized at $80,000,000, under the style of The American Bicycle Company.

The deal was not finally completed, but from an official report given out by A. G. Spalding, of A. G. Spalding & Bros., New York, the leading promoter, the prospects are bright that the bankers who are underwriting it will bring into the trust the following firms: Bicycle manufacturers.—Pope Manufacturing Company, Hartford, Conn.; Westerly Wheel Works, and Gormully & Jeffrey Manufacturing Company, Chicago, Ill.; H. A. Lozier & Co., Cleveland, O.; A. G. Spalding & Bros., New York; A. Featherstone & Co., and Monarch Cycle Manufacturing Company, Chicago, Ill.; Crawford Manufacturing Company, Hagerstown, Md.; A. D. Meiselbach, Milwaukee; Wis.; Indiana Bicycle Company, Indianapolis, Ind.; E. C. Stearns & Co., and Barnes Bycle Company, Syracuse, N.Y.; Eagle Bicycle Manufacturing Company, Torrington, Conn.; Black Manufacturing Company, Erie, Pa.; Grand Radids Cycle Company, Grand Rapids; Acme Manufacturing Company, Reading, Pa.; White Sewing Machine Company, Cleveland, O.; Ames & Frost, Chicago, Ill.; Viking Manufacturing Company, Toledo, O.; Shelby Cycle Company, Shelby, O.; Fanning Cycle Manufacturing Company, Chicago, Ill.; Columbus Cycle Company, Columbus, O.; Fay Manufacturing Company, Elyria, O.; Geneva Cycle Company, Geneva, O.; Milwaukee Engineering Company, Milwaukee; Colton Cycle Company, Toledo, O., and the New Buffalo Wheel Company, Buffalo, N. Y.

Bicycle sundries.—American Saddle Co., Cleveland, O.; Hartford Rubber Works, Hartford, Conn.; C. J. Smith & Sons Co., Milwaukee, Wis.; Indianapolis Chain and Stamping Co. and Indiana Rubber Co., Indianapolis, Ind.; Cleveland Machine Screw Co., Cleveland; Indiana Novelty Co., Plymouth, Ind., and The George L. Thompson Co., Chicago., Ill.

The bankers who, in addition to financing the company, will have the selection of officers for the first year, desired an expression from the manufacturers as to whom they would recommend for the office of president and ten directors, and, at their request, a sealed vote was taken, which resulted in practically the unanimous choice of A. G. Spalding for president. The vote for directors had not been canvassed and was not announced. The meeting adjourned subject to the call of the chair.

AN EXCITED IRON MARKET.

Pig iron has been much excited in Great Britain during the past week, and the highest price of the year was paid.

In Glasgow, the closing prices were higher on Wednesday by 2s. on Scotch warrants, and 3s. higher on Middlesboro than Tuesday's initial figures. Compared with those of last year, Wednesday's quotations show an advance of 23s. 9d. and 27s. respectively.

VEXATIOUS CUSTOMS REGULATIONS.

ONE might almost think it was the special office of some one under all Governments in Canada to devise and draw up Customs regulations vexatious as it is possible to make them.

There have, of course, been occasions when the Customs Department has obviously been persuaded to create a regulation which, although in a covert manner, increases the duty on a certain article, and, consequently, increases the protection which a certain industry enjoys. But, as a rule, the vexation which a regulation causes is the result of a desire to make it as efficient as possible. Good intentions do not, however, always produce good results.

A man who does not know the bowsprit from the topmast, may, with the very best intentions, undertake to pilot a vessel along a dangerous shore or into an intricate harbor, but that does not condone for the loss of the vessel. The man might say that his intentions were of the best; but the court of inquiry would, none the less, ascribe the loss to criminal negligence.

Time and again it has been demonstrated that it was, indeed, "a novice in the trade" who drew up many of the regulations governing the importation of goods into Canada.

There can be no other conclusion, unless we accept the other alternative and ascribe it to ulterior design.

A regulation, like everything else, can only be judged correctly by its results. The vexations which have followed in the wake of some of the regulations now in force clearly reveal their character. We are reminded of this by a letter which lies before us. It is from a house in France, and here is what it says in regard to certain tariff regulations :

> Invoicing to your country will soon become a work of art, and will require a special staff to get through the work. We shall never, in the busy season, be able to make out all the documents required by a lot of small shipments. If we had 15 or 20 invoices to make out we should never have time to fill up Form "J" in every one * * * Form 6 is sufficient to scare us from making any consignments, especially as it must be written, printed or stamped on the invoice. Such a lot of red tape is not likely to increase business with your country.

The regulations referred to are instructions to exporters in foreign countries for invoicing goods to Canada. And we wish we only had the space at our disposal for their reproduction. The prolixness, to say nothing of the abtruseness of some of them is enough to make an exporter hold his breath, not "for a time," but for all time.

If an exporter in France, for instance, sells goods to Canada which come within the purview of the French treaty, he must use two forms described respectively as "F" and "J." Form "F" consists of 143 words, without taking into consideration the signature, etc., of exporter and the form describing the number, character, etc., of the goods. Form "J" is the form for entry under the general tariff of Canada, and, without signature, etc., consists of 65 words. The latter must be written on the face or back of the invoice. It must not be attached or pasted thereon. The former may be on a sheet and separately attached.

Form 6, which the writer of the letter from which the above extract was taken says is sufficient to scare him, is the declaration to be made by the foreign owner or exporter of any goods shipped to Canada on consignment, and contains 460 words, minus the signature of the exporter, the name of his place of business and the declaration of the notary or consul before whom the declaration was taken, or equal to about one column and a quarter of HARDWARE AND METAL. If the consignment comes under the French treaty, Form "F," already described, must be attached to, or written or printed upon, the invoice.

Both Forms "J" and "No. 6" must be written, printed or stamped on the face or back of the invoice. Is it any wonder foreign exporters are scared?

Form "P," which is the certificate prescribed to be written, printed, or stamped on invoices of all articles, except sugar, for entry under the British preferential tariff of Canada contains 178 words minus the "fill ins," which would materially increase the number.

It seems to HARDWARE AND METAL that if business commonsense were applied to the drafting of Customs regulations one form might be employed where four or five are now made to do duty, and that imperfectly.

Hon. W. Paterson, Minister of Customs, who has always exhibited a desire to make Customs regulations as reasonable as possible, will, it is to be hoped, give this matter his consideration.

SHIPYARDS FOR SYDNEY, CAPE BRETON.

The Dominion Iron and Steel Co., Limited, have located their blast furnaces, works, and ship-building yards at Sydney, Cape Breton. A square mile of land has been deeded them on condition that the company begin operations within three months and that they expend $3,000,000 within two years. The contract for the erection of furnaces has been awarded to Messrs. Riter, Connolly & Co., of Pittsburg, for about $2,500,000, within 18 months. This company has $15,000,000 in common stock, and is issuing $8,000,000 bonds at 5 per cent. Among those interested are H. M. Whitney, the president; H. F. Dinmock, and Almeric Paget, of Boston, Sir W. Van-Horne, R. B. Angus, James Ross, I. S. McLennan, of Montreal; Senator Cox and Elias Rogers, of Toronto; Senator McKeen, F. B. Pearson, Martin Dwyer, W. B. Ross, of Halifax.

POOR PARIS GREEN SEASON.

Dealers in paints and oils, both wholesale and retail, have, generally speaking, found the early months of this year most satisfactory ones.

About the only material that shows signs of dullness is paris green. Though this may mean that many retailers will be caught at the end of the season with larger stocks on hand than they wish to carry over, the cause is one that is rather pleasing than annoying.

There is a scarcity of potato bugs. Whether this has been caused by the severity of the past winter, or whether it is due to the voracity of the new bug-devouring insect that has been discovered in western Ontario, is not stated, but from all directions come the same report. Potato bugs are scarce, and their scarcity has resulted in a diminished demand for paris green. The potato bug is, however, reported to be developing in the Northwest.

GERMAN CUTLERY AND HARDWARE

Advices received in Toronto this week from Germany state that there will be a further advance in prices in all kinds of German hardware and cutlery. In cutlery, they talk of a further appreciation of 10 per cent.

TRAVELERS AND SALESMEN.

THE following is an extract from an address before The Southern Hardware Jobbers' Association by one of the delegates, a Mr. Barbour :

"A word about travelers and salesmen—concluding that you employ both—and I want to classify and make a distinction between your traveler and your local salesman. First, let me ask what constitutes a good traveler? From my standpoint, he should be an intelligent man—I do not mean he must be a college graduate, but a man of fair education, at least. He should be an excellent judge of human nature, because he will come in contact with a variety of different characters, and, if he is to meet with success, he must not be self-opinionated—he should endeavor on his first visit to study the customer ; if the merchant is engaged, wait until he is not busy before he shoves a card in his face. When the opportunity affords itself, he should approach him in the right way—not by commencing to criticize unfavorably some competitor's goods, but bring to the attention of the merchant intelligently the line of goods he represents ; he should not appear interested to his customer in some competitor's goods. It is always well for a traveler to keep posted himself in regard to competitor's goods, but never admit to his customer that he is ; he should talk from start to finish on what he has to sell. The traveler should always be a man of good appearance, well dressed, and, personally, myself, I look to see if he has on a clean shirt and collar and shoes well blacked. In my opinion there are many little things that go to the credit of the traveler if he only carries them out. Of course, it goes without saying, that he must be a man of good habits and not overextravagant. Now, the word "extravagant" I do not wish misunderstood—I am no believer in false economy—I want our travelers to always travel by the best route—I want them to stop at the best hotels, even if it costs a little more, and if they are traveling on daily expenses, I want them to be reasonable ; but the item of sundries we always strike out.

"Now, what shall we say of the local salesman? Many things which I have said of the traveler apply to the salesman, so for as the jobbing trade is concerned, but the situation is somewhat different. The salesman, being a local fixture, he must at all times be prepared to receive and attend to the wants of the merchants who visit the firm in whose employ he is. He, too, must be a gentleman in every sense of the word—pleasant, agreeable, never tiring, and if, after the merchant has finished his business with him, he can, in any reasonable way, assist him or do a favor for him, he may be sure the merchant will stand by him and fully appreciate it, and when he returns to the city again to make his purchases, rest assured, if the salesman leaves the right impression with him, and his name is Smith, the merchant will not be satisfied, if there is another clerk by the name of Brown, to have him wait upon him. The salesman wants to labor to get the merchant to think well of him—he should never deceive him, even if he could gain an order by so doing ; let the other fellow have the order if it is to be obtained by such methods, because he will get only one. When a salesman once gets the confidence of a merchant and he continues to do business with him on the square, never deceiving him in any way, every time that man or firm will stand by the salesman. In a nutshell, my idea of a traveler, as well as a local salesman, is that he must be a gentleman—a man of good habits, agreeable, straightforward, and honest."

TOWN LIGHTING WITH ACETYLENE.

The glory of acetylene is that every user produces his own illuminating gas. But, such is the supreme excellence of the new light that many towns, which now have expensive and inferior lights, are eagerly longing for the time when acetylene can be had instead. Possibly they can have it, and from central plants. According to the last issue of The Journal of Gas Lighting, London, the town of Olivia, near Dantzig, Germany, has been provided with an installation of plant for the public lighting of the place by acetylene. It has been arranged to have 2,000 burners, and consists of four generators of a total capacity double that of the burners used. The gas is conveyed in tarred cast iron pipes, having special joints, and valves at various points to allow of its division into separate sections. There are 96 public lamps. The service pipes resemble those used with ordinary coal gas. Wet meters only are used to record the consumption.

A NEW GALVANIZING BATH.

A substitute for the bath commonly used in the galvanizing of iron and steel is, says a German contemporary, made up of 84 parts tin, 40 parts spelter, 1½ parts lead and ¼ part aluminum melted together. The plates or other goods to be galvanized are cleaned and immersed in this bath in the usual manner. The deposit is said to adhere very strongly—in fact, so much so that plates so galvanized can be worked to any extent, and even heated to a red heat without injury.

THE BEAUTIFYING OF STORES.

ART GLASS IMPROVED.

MANY progressive business concerns in the cities and large towns obtain from decorative glass panels an artistic finish to their premises which is not without its telling effect upon the public. That this impression upon customers is of value to business is a point on which there is nothing but strong opinion.

The new style of art glass, known as electro-glazing—a specialty marketed by The Luxfer Prism Co., Limited, Toronto—has decided merits. The toughness of electrically deposited copper is resorted to in order to afford a panel which needs no disfiguring strengthening bars, and which has no cement to work loose with jarring. There is no bagging to the glass—a matter of much consideration. In cost, the improved glazing is practically the same as leaded work, and, therefore, in the end should be much cheaper, repairs being a remote contingency.

The Luxfer Prism electro-glazing lends itself to any class of design ; it may be said, in fact, that the more intricate the pattern the better this system is adapted for it. The glazing lines are much neater and finer than in any other, even the most expensive class of copper or German silver bar.

The Luxfer Prism Co.'s field in art glass is rapidly expanding, as it deserves—the latest installaion being in the new palatial steamer, Toronto, for The Richelieu and Ontario Navigation Co.

ST. RAYMOND, QUE., BURNED OUT.

The following merchants in the town of St. Raymond, Que., have been burned out :

Bertrand, A. D. M., general merchant, small insurance—Bourassa, B., general merchant, insurance $1,000—Duplain, F., tinsmith, no insurance—Duplain, P. J. general merchant, no insurance—Gauvin, P., tinsmith, no insurance — Leboeuf, P , harnessmaker and grocer, no insurance—Lesage, Louis, manufacturer cheese—Letarte, W., grocer, small insurance—Martel, Mrs. P , druggist. insured—Matte, Ulrich, general merchant, no insurance—Pelletier, H. & Frere, general merchants, insured—Piche, Nap., general merchant, fully insured—Plamondon, C. butcher—Proulx, F. X., tinsmith, no insurance—Rinfret, Mrs. Henri, general merchant, small insurance—Savard, Y. & Co., dry goods dealers.

WIRE NAILS
TACKS
WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

CATALOGUES, BOOKLETS, ETC.

M'CLARY' STOCK CATALOGUE.

A complete and handsome stock catalogue has just been issued by The McClary Manufacturing Co., Limited, London, Ont. It contains about 315 pages, enclosed within covers of extra heavy cloth. The number of illustrations is legion, but the most striking and handsome are those of the enameled ware lines manufactured by the company. There are four full pages of these. The different enameled ware articles shown in these illustrations are in natural colors upon chocolate, stone, drab and grey back grounds. On these four pages are shown five different kinds of enameled ware, namely, two of ordinary, and one each of imperial ware, white ware, white decorated ware, and extra decorated ware. Then there are illustrations of stamped tinwares, pieced tinwares, japanned wares, copper and nickel wares, sheet iron wares, miners' and camping supplies, milk can and dairy trimmings, tinners' trimmings, wire goods, cast enameled wares, wooden wares, ice cream freezers, refrigerators, oil and gas stoves, besides miscellaneous lines. At the back of the catalogue are useful arithmetical rules and tables showing the cost of tin roofing per square, for finding circumferences when diameter is given, and for areas of circles. In addition to a most complete thumb index there is an ordinary index of five pages. The catalogue is a most useful one.

A PAINT FIRM'S POSTERS.

P. D. Dods & Co. are calling attention to their floor and liquid paints by issuing large and very attractive posters. The posters are done in two colors, and printed in both English and French. They are being sent to all their customers, besides being posted up in many public places, and should be the means of materially assisting the sale of their goods.

MIDSUMMER DAY LETTER.

The Canada Paint Company sent to its patrons, on Wednesday, this week, a midsummer day letter. It states that on account of the heavy business done in May, the total being in excess of any previous month in the company's history, some supplies could not be delivered as promptly as desired. As a result the company has decided to erect new buildings for the housing of its chemical color department, which addition will more than double its present capacity.

MARLIN SHOTGUN BOOKLET.

The Marlin Fire Arms Co., New Haven, Conn., U.S., have issued a ltle booklet containing samples of encomiums that users of the Marlin repeating shotgun have bestowed upon them. These booklets should be of great value in assisting the retailer to give customers an idea of the real value of this weapon.

MERIT AND GOOD FORTUNE

go hand in hand. Wherever you see success, there you may be sure to find merit also.

You can't build up a lasting success in business by trying to compromise between right and wrong, or between high quality and low quality. Stick unswervingly to right and to high quality, and you'll merit good fortune.

We've proved this to be true with the success of

THE SHERWIN-WILLIAMS PAINTS,

and our agents and dealers understand the commercial value of the success we have won. They know it comes from using every means at our command to perfect Prepared Paints—practical and chemical tests, machinery improvement, skilled labor, constant vigilance, honest methods, expert knowledge—all working to put quality first, to make practical paints better than anyone else could make them.

THE SHERWIN-WILLIAMS CO.

Paint and Varnish Makers

CLEVELAND
CHICAGO
NEW YORK
MONTREAL
BOSTON
TORONTO

AN ANGLING SUPPLIES BOOKLET.

A unique little booklet has just been issued by R. & W. Kerr, fishing supplies, 2230 St. Catherine street, Montreal. It consists of 12 pages, counting the cover, and is printed in red and gold. The eight inside pages are a good deal smaller than the cover, and are of very thin white paper, while the cover is a light pale green and of thick paper. The object of the booklet is to advertise the fishing rods, salmon, trout bass and other flies which are included in the firm's list of angling supplies. But, what gives the booklet its particular uniqueness is a fly-hook with gut attachment neatly fastened to the front cover.

WIRE FENCING PRICE LIST.

The B. Greening Wire Co., Limited, have issued a new price list of their woven wire fencing, which they are willing to send to anyone sufficiently interested to ask for it.

THE COMING DAMPER.

The McClary Mfg. Co., London, have gotten up a neat little blotter describing their "Uncle Sam" damper, which they claim is the coming damper. The plate is stamped out of cold rolled steel, the stem of malleable iron and the handle of enameled wood. It is especially recommended for hot-air pipes. It is made in all sizes, from the 3 inch, which retails at 85c. per doz., to the 12-inch, which sells at $2.50 per doz.

CANADIAN PRODUCTS WANTED.

The following were among the inquiries relating to trade matters which have lately been received at the High Commissioner's Office in London.

A Scotch house desirous of extending their trade in jute yarns in Canada, ask for names of Canadian rope and twine makers and carpeting and mat manufacturers.

An inquiry has been received for a good manufacturer of dining-tables made from birch, spruce, and basswood, in quantities, and shipped in the white.

Inquiry is made for shippers of hickory suitable for golf sticks, in lengths of 44 inches by ⅞ inches square. The goods are required immediately for wholesale trade.

A London firm inquire for the names of shippers of fresh Canadian salmon (frozen), as they are in a position to take considerable quantities. They also ask for the name of a reliable shipper of fruit pulps.

An inquiry has been received through the medium of the Consul-General for Spain for the names of the principal fruit brokers in the larger Canadian cities.

Agents in the large centres are required for the sale of real Irish frieze ulster coats made by a firm in Ireland.

[Information in regard to any of the above items sent to the office of HARDWARE AND METAL will be forwarded to destination.—THE EDITOR.]

PAYING BILLS PROMPTLY.

IN these days of small profits and close competition it is surprising to note the apparent lack of regard shown by the average retailer for the payment of his obligations as they mature.

It is not unreasonable to presume that the majority of retail merchants have a thorough understanding as to the terms upon which they make their purchases, and yet, with that knowledge, they fail to adopt some simple and systematic method by which they would know each day what payments they would have to make. They seem to prefer to depend upon their general knowledge of what they owe and what is or will be due. A small yearly diary, or tickler could be obtained at a trifling expense, and, when bills are checked in as ready for payment, they could be entered upon proper date for discounting or for payment at maturity.

Notes or other items, such as taxes, interest, rents, etc., could also be entered therein. By this method a merchant would always have before him his maturing obligations and could make his calculations accordingly. Many jobbers and manufacturers would do well, also, to inaugurate and keep up such a system. The disregard of maturing bills and notes payable is not confined altogether to the retailers. There is perhaps some excuse in this respect for the retailer, on account of his lack of help and personal devotion to the other details of his business, and because in many instances he is bookkeeper, collector, manager, and everything else ; but for such neglect on the part of a jobber and manufacturer with the necessary help at their command there is no excuse whatever.

Merchants have their own ideas as to how they wish to pay their bills, but they have no right to say when they shall pay them. The terms of sale govern that feature of business.

Very few houses take an arbitrary stand and refuse extensions to a worthy customer, when asked for in a proper manner, but the idea is rapidly growing in the business world that the customer who persistently steals extra time and ignores the creditors' rights is entitled to no very great consideration. The retailer who permits his bills to go unpaid and who fails to arrange in a businesslike manner for the extra time wanted is standing in his own light, and is helping to compile a record of experience against himself that will work him more injury from a credit standpoint than by any other course of action short of downright dishonesty.

Be just and punctual ; be considerate and frank, and be systematic regarding details. Always remember that your creditors are your friends, and will more than reciprocate honest, frank and businesslike treatment from you in all matters of daily business life.—G. B. Pulfer.

The Cowan block, Portage la Prairie, Man., is the largest business structure in that town, but the increasing business of the occupants, J. & E. Brown, general merchants, requires more room, and it is probable a large addition will be built this year. The new building will be added on the north side, two storeys high, with dimensions of 75 by 35 feet.

IVER JOHNSON

Bicycles
and
Fire-Arms.

Honest Goods
at
Honest Prices.

WRITE FOR PRICES, ETC.

Iver Johnson's Arms & Cycle Works

FITCHBURG, MASS.

Gilbertson's Galvanized Sheets

PATENT COMET BRAND FLATTENED

are suitable for all kinds of Galvanized work demanding uniform quality; being made of superior Siemens Steel, they will **double seam** either way of grain, are smooth, soft, and well galvanized, every sheet being carefully selected; weight and count of sheets per case **fully equal** to the best known brands imported, and **cost less.**

GILBERTSONS are the only galvanizers who not only **roll all their Steel Sheets,** but manufacture **all their own Steel in their own Steel Works,** thus enabling them to put a soft and regular quality of steel into their sheets, which is impossible for galvanizers who buy their steel **in the open market.**

GILBERTSON'S CORRUGATED GALVANIZED SHEETS—all sizes.
FLAT GALVANIZED SHEETS (not fluxed) **for corrugating purposes.**

"GILBERTSON'S" SIEMENS-MARTIN TINPLATES

are soft, extra well coated, noted for deep stamping qualities, and for canners of fruits, meats, and fish have no equals. **Cost** no more than brands not nearly as well coated, or of equal quality.

BRANDS: "Gilbertson's," "Parsons," "Pontardawe," "Lincoln," "Comet," "Regina," "Gwyned."

GILBERTSON'S TERNEPLATES, "Regina" brand.
IMITATION RUSSIA SHEETS—will not crack or scale. Pickled, cold rolled and close annealed.
SIEMENS-MARTIN STEEL SHEETS, close annealed, close annealed and cold rolled (flat and free from buckles), also pickled.
BLACK CEILING PLATES, "Comet" brand. Pickled, cold rolled and close annealed.
BLACK TAGGER PLATES. Pickled and close annealed.

Supplies carried by all wholesale jobbers. In ordering please mention brands.

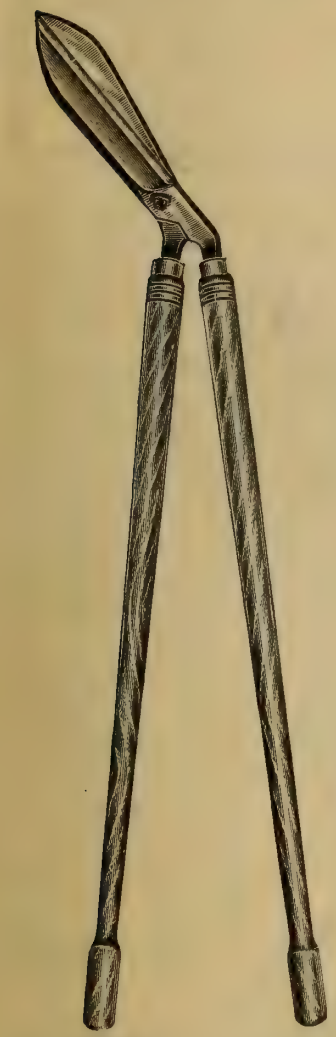
ALEXANDER GIBB

Agent 22 St. John Street, MONTREAL.

H. S. HOWLAND, SONS & CO.

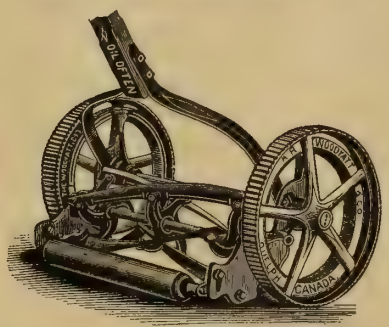
37-39 Front St. West, ...Toronto

Only Wholesale



BORDER SHEARS

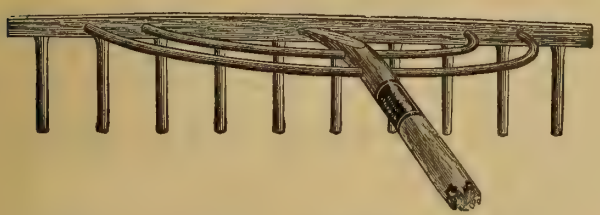
LAWN MOWERS



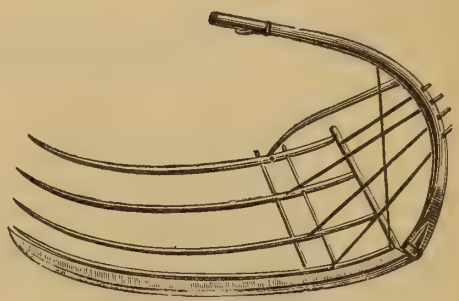
WOODYATT, HIGH WHEEL—sizes, 14, 16, 18 and 20-inch.



LAWN SHEARS

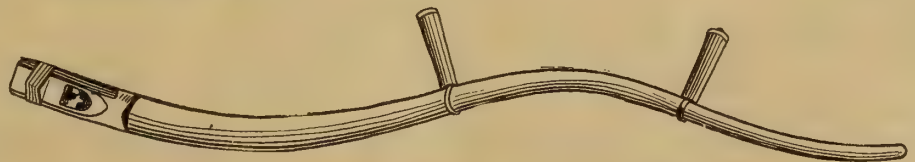


HAY RAKES—Straight and Bent



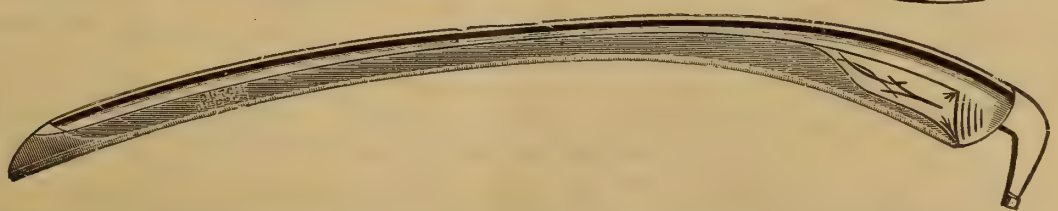
CRADLES

SNATHS



SNATHS

SCYTHES



SCYTHES

H. S. HOWLAND, SONS & CO., TORONTO.

Only Wholesale. Graham Wire and Cut Nails are the Best. **We Ship Promptly.**

TRADE IN OTHER COUNTRIES THAN OUR OWN.

THE heavy shipments of tinplates to Germany support the statement that an increase in duty is impending. This year, the direct shipments to Germany have been 10,000 tons, against 4,000 tons in the corresponding months of last year. The Liverpool market is moderately active, and a larger business has been doing in London lately.

NO DISCOUNTS TO JOBBERS.

The situation in the wire nail market is practically unchanged from last week. There is a slight falling off in demand, which usually occurs about this season of the year. The announcement by The American Steel and Wire Company of their intended withdrawal of cash discount has been the cause of a good deal of discussion among the jobbing trade, and many houses have expressed their disapproval of the change, as it will involve for the jobbers either a diminished profit on nails or the necessity of making their prices for these goods net cash. In view of this condition of things The American Steel and Wire Company intimate that they expect soon to make an advance in prices to cover the advance in raw material, and when they take this action they will make the difference between the jobbers' and the carload price 15c. per 100 lb. instead of 10c. as at present. This action indicates the desire on the part of the company to meet the views of the jobbing trade and to do what they consistently can to handle their products advantageously. Prices are firmly maintained at former figures.—Iron Age.

MATERIAL SCARCE IN FRANCE.

The consumption of iron and steel of all sorts is now proceeding at an unusually rapid rate, and merchants' stocks are getting quite depleted as far as regards the shapes and sizes most commonly in request, and even those sections which are not so generally required are finding purchasers, owing to the impression which prevails that the scarcity of all kinds of iron and steel will be greater as the season advances. To give an idea of the difficulty of getting material, it may be mentioned that The Fives-Lille Co. have actually been stopped at their work of erecting one of the sections of the great exhibition owing to the non-arrival of supplies. Old material, in sympathy with the scarcity of new, is rapidly appreciating in price, old rails now realizing at least 110f.

IMPROVED TINPLATE TRADE.

The tinplate trade continues to show signs of improvement. Last week the receipts from works amonnted to 75,500 boxes, but owing to want of tonnage only about 40,000 boxes were shipped, and stocks were increased to 175,000 boxes. Prices all round are very firm, and oilmen are buying largely at from 12s. 6d. to 12s. 7½d. for delivery over the next three months. A fair amount of business is also doing in Bessemer C 14 by 20 cokes, at from 12s. 3d. to 12s. 4½d. Wasters are moving off freely, particularly 18¾ by 14 sizes, which command 12s. 3d. per box. Unfortuneately the continental trade is causing some anxiety just now, it being rumored that Germany proposes to increase the duty on tinplates. Pressure is being brought to bear upon the Government by Sir John Jones Jenkins and other South Wales manufacturers to obtain some modification of the proposed imposts. On account of the increased prices obtainable for plates some of the tinplate-workers are agitating for the abolition of the 15 per cent. reductions which have hitherto been in operation, and in the Aberavon district notices have been issued at several works with the object of taking concerted action at the end of the month for the restoration of the 1874 list in its entirety.—Ironmonger.

A WEEK'S TIN TRADE.

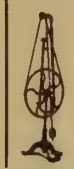
This metal has advanced in price to the extent of ½c. per lb. in the New York market and £2 per ton in London during the past week. The two markets worked along with remarkable harmony, and the one potent factor governed both. The factor was manipulation by foreign operators, who have successfully nursed a short interest among London speculators, and received valuable assistance from the continued heavy consumption in the United States. That the rise was due in any manner to scarcity of labor at the sources of production, as stated by a contemporary, is very doubtful. In any event, statistics do not bear out the assertion. In this connection, we find that the shipments from the Straits Settlement, from January 1 to June 15 inclusive, were no less than 20,803 tons, against 21,596 tons during the corresponding period last year. It is estimated, moreover, that the quantity of tin in sight on January 1 for Europe and America was sufficient for over four months' consumption, which has been the average visible supply of late years. Another interesting statistical feature is in the fact that, while the visible supply was 24,800 tons a year ago, the prices for Straits tin were £69 10s. per ton in London and about 15⅛c. per lb. in New York, whereas the visible supply is now about 20,000 tons, and prices over £119 per ton in London and over 26c. per lb. in New York. In other words, the sup-

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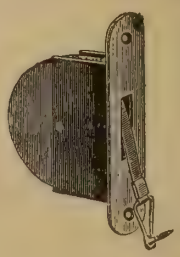


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"Elegant" in name.
"Elegant" in design.
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Our design for Stoveboards for 1899 is just out, and is without doubt the highest class of work we have ever turned out. In view of our past work in this line, this is saying a good deal.

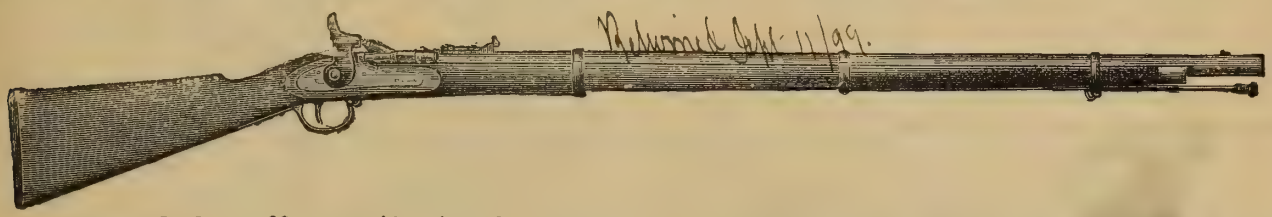
Following the latest "fad" the design is a unique imitation of tile work; while the blending of the colors are so pleasing that these boards will sell at sight.

Retaining their favorite features, seamless and no corner clips, they will be made lithographed and crystallized. Quality highest, price low as the lowest. See samples before placing orders.

Absolutely Seamless. **No Corner Clips**

The Thos. Davidson Mfg. Co., Limited, Montreal

SNIDER RIFLES



We offer a limited number of **Short Snider Rifles** in good serviceable condition complete with sword bayonet.

—— **ALSO** ——

a limited number of **Long New Snider Rifles.** These are **absolutely** new rifles never having been issued, and with each is the ordinary three cornered bayonet.

The quantities are limited. We solicit enquiries from the wholesale trade.

LAMPLOUGH & McNAUGHTON, Montreal.

ply has decreased less than 4 per cent. in 12 months, while prices have advanced about 70 per cent in the same time.

Prices on Saturday were variously quoted at from 26 up to 26¼c., according to quantity, but dealings were on a moderate scale, as is not unusual at the end of the week.—N.Y. Journal of Commerce, June 26.

STRONG IRON SITUATION.

The general scarcity of material continues, and is reflected in a further advancing tendency in prices for prompt delivery. The temptation of large and immediate profits in the operation of almost any plant is starting nearly every old blast furnace and rolling mill which never hoped to be productive again. Individually, these are not important, yet, in the aggregate, they are likely to tell very seriously, particularly when it is considered that important additions are being made to modern plants. It is true that their prospective product for the near future is being absorbed, but they introduce an element of weakness which the industry must count with.

How soon this pressure will develop depends largely upon general business conditions—which may hasten or retard it. It is a fact that, for the next few months, no marked effect need be apprehended, and that it looks as though the ore situation will prevent any serious decline until next spring.

In the meantime, every month sees the working off of old low-priced contracts. The average prices realized are beginning to move upward, and the profits are rolling in. How far the returns from current shipments are still below current prices is indicated by an instance which has come to our notice, a furnace company having realized $11.85 as an average for May, when it has recently sold as high as $17.—Iron Age, June 22.

THE DEMAND FOR AMMUNITION.

The volume of business now being done in arms and ammunition is both gratifying to dealers and profitable to manufacturers. Guns and ammunition is a large item in the hardware trade. Manufacturers are filling heavy orders for foreign markets. Consignments of war material of this class show a decided increase to South American countries as a result of the Spanish-American war. Orders have been placed in the United States during the last three months which would, in all likelihood, have gone to Europe a year ago. These orders came from such countries as the Argentine Republic and Chili, both decidedly pro-Spanish in character. Within four weeks Mexico has placed on order in New York City for 32,000 high-powered infantry rifles of American design and make. Two years ago Mexico arranged with the German Mauser establishment to outfit her entire army.—Iron and Steel, Chicago.

NEW YORK METAL MARKET.

PIG TIN—The strong position of the market was as pronounced as it has been at any time this month. Deliveries were fully up to the late average and made further impression upon the spot supply. The latter, according to some calculations, has been cut down fully 1,600 tons since June 1. London advices served to impart additional strength, since they quoted a further rise in prices. Buyers are doing nothing in this market that borders upon the reckless. The majority, for that matter, are still very conservative. As for speculation, there is none here outside of the manufacture of official quotations. In short, the strength of the market seems to have solid foundation. To-day's prices were about 26.10 to 26.15c. for 5-ton lots, and 26.20 to 26.25c. for single ton lots.

COPPER—Indications of a turn upwards in prices of Lake Superior ingot, that came to the surface on Tuesday, were more prominent yesterday. Bids of 17⅞c. were common, and there was more than a possibility that sellers at 18c. would have been relieved. In any event, none of the mining companies' representatives quoted less than 18¼c., and some placed their limit at 18½c. for either prompt or future deliveries. The demand is more active, not only for this variety of the metal, but for electrolytic sorts, and large sales of the latter have been made recently. Bars, etc., are quoted at 17¼ to 17½c. Casting copper is steady at 17 to 17¼c., and in very fair demand.

PIG LEAD—Operations were not remarkable, either for size individually or total amount of metal involved, but inquiries were more numerous and the undertone of the market stronger. Apparently prices would be moved higher but for the policy of the Smelting Company, whose interest might not be benefited by an advance at the present time. About 4.50c. was generally quoted for carload and 4.45c. for 100-ton lots here, and corresponding prices prevailed at Western points.

SPELTER—The depression in prices of this metal for July and later shipment has moderated somewhat, and it is doubtful if a lower price than 5.60c. delivered here, would now be accepted. This slight turn was attributed to better business in the West. Spot stock is moderate, as are offerings for near future delivery, and for these about 5.90 to 6c. are inside prices at the moment.

ANTIMONY—Regulus is very steady, at 10 to 11c., as to brand, and jobbing very fair.

TINPLATE—There is comparatively little new business at the moment, and the bulk of it is in small lots from store, with prices about the same as quoted for some time past. Deliveries by the A. T. P. Co. continue free, but are backward on many low-priced contracts.

IRON AND STEEL—There is not the faintest sign of reaction in the pig iron market. Consumers are getting considerable iron on old contracts, and are, therefore, inclined to go carefully about making new purchases. Such business as does take place is at stiff prices, however, and furnacemen seem to have comparatively little to offer for early delivery. All old material is very firm at late highest prices, and in quite good demand. On manufactured products there was a repetition of former reports, showing more or less activity in all lines and strong tone throughout, with prices the highest of the year.—N. Y. Journal of Commerce.

WHAT LED HIM TO THE WEST.

Mr. Goodfellow, one of the oldest merchants in Prince Albert, recently told a representative of HARDWARE AND METAL what led him to go West. While at his home in Peterboro', Ont., a missionary who was supposed to have just returned from the West, but in reality never was there, went through the county preaching about the good country, where there was very little to do, and a free and easy life. He said: "In Prince Albert you will find a mission where all are welcome. You need not knock on the door, but walk in. No one ever knocks on doors in that country. Once inside you will find people with open arms to receive you."

"We found the mission all right," said Mr. Goodfellow, "but it looked as if no one had ever lived there. Prince Albert hadn't much more than a Hudson's Bay post then. Now it is one of the towns of the West."

EXPECT TO BUILD SHIPS.

The Polson Iron Works, Toronto, have written to Mayor Shaw, of that city, stating that their firm, which now employ 220 men, 50 of whom are engaged at shipbuilding, expect to increase their staff by 200 skilled shipbuilders, and to engage in shipbuilding in an extensive way.

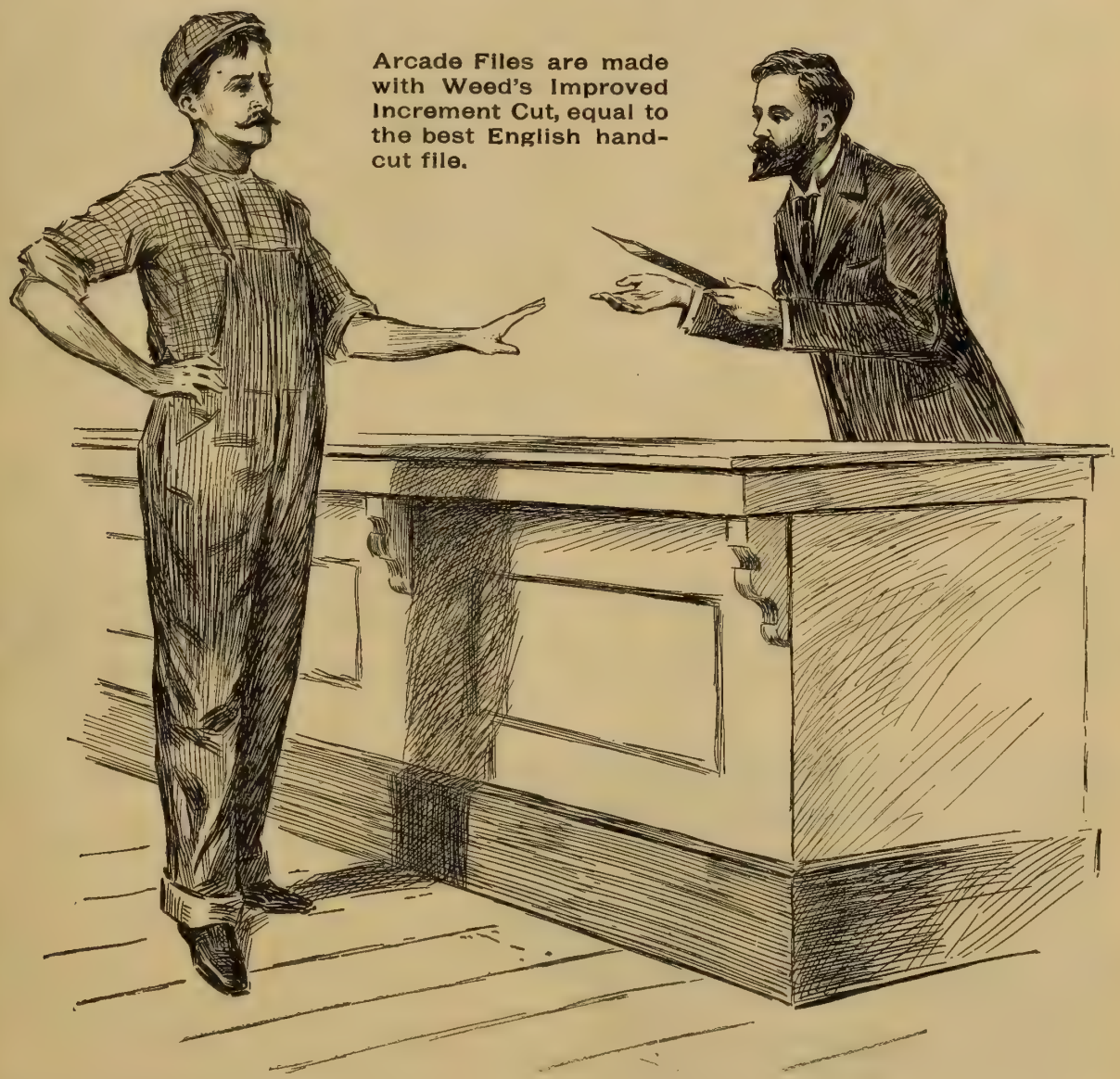
They state, however, that, owing to dredging in the bay, their slips have been filled in with mud, and that there is not deep enough channel for larger boats to approach their wharf with or for material, machinery, etc., and ask that the city defray the expense of dredging necessary to remove these objections.

The WORLD'S GREATEST FILE WORKS

ESTABLISHED 1842.

There is no other file "just as good."

THE ARCADE IS THE BEST



Arcade Files are made with Weed's Improved Increment Cut, equal to the best English hand-cut file.

"I want an ARCADE file."
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MARKETS AND MARKET NOTES.

QUEBEC MARKETS.

MONTREAL June 30, 1899.

HARDWARE.

THERE has been a fair volume of business for the season in general hardware, and firmness is the rule throughout the entire list. Barbed wire rules quiet, while a fair movement is noted in smooth steel wire. Galvanized wire also is fairly active, and fence staples are in fair request. Both wire and cut nails have furnished a fair movement, and rule very firm. Horse nails and horseshoes are quiet. There is a good movement in screws, bolts and nuts, while cordage is firm at the rise last noted, and likely to go higher. Cement and firebricks are much the same.

BARBED WIRE — There has only been a quiet business in barbed wire, and prices are unchanged at $3 f.o.b. here.

SMOOTH STEEL WIRE— A good trade is noted in this line, and prices are firm at $2.60 f.o.b. factory points.

FINE STEEL WIRE — Unchanged, with discounts 25 per cent.

GALVANIZED WIRE — A good trade is noted in this line, and values are steady at $3 for No. 9.

BRASS AND COPPER WIRE—A fair business is passing in these articles. Discounts are 50 and 2½ per cent. on brass, and 45 and 10 per cent. on copper.

FENCE STAPLES—There has been a good inquiry for these. We quote: $3.05 for bright, and $3.65 for galvanized per keg of 100 lb.

OTHER STAPLES—As last reported. Discounts are : Cooper, 55c.; poultry netting, 45, and electrician, broom, bed, etc., 40 per cent. off.

WIRE NAILS — In active demand, and prices firm at $2.65 to $2.70 nett with miscellaneous nails 75 and 5 per cent. off list.

CUT NAILS—More inquiry is noted for these this week. We quote $2.15 per keg f.o.b. Montreal, Toronto, Hamilton, London and St. John, N.B.

HORSE NAILS—Business quiet and discounts unchanged, at 50 per cent. on standard, and 50 and 20 on Acadia.

HORSESHOES—Quiet, but firm. We quote: Iron shoes, light and medium pattern, No. 2 and larger $3.40; No. 1 and smaller, $3.65; snow shoes, No. 2 and larger, $3.65; No. 1 and smaller, $3.90; XL steel shoes, new light pattern, No. 2 and larger, $3.65 ; No. 1 and smaller, $3.90; featherweight, all sizes, Nos. 0 to 4, $4.90 ; and toe weight steel shoes, all forward, all sizes $6 f.o.b. Montreal, St. John, N.B., and Halifax, N.S. Delivered f.o.b. in Toronto, Hamilton, London and Guelph 10c. per 100 lb. extra.

TACKS — Quiet. We quote as follows : Carpet tacks, blued or bright, for 6, 8 and 10-oz. assorted, $4 per gross, with 45 per cent. off; tinned do., $6 per gross with 45 per cent. off.

DOUBLE-POINTED TACKS—Remain unaltered: Discounts in dozens 85 and 10 per cent., and in bulk 40 per cent.

SCREWS—A fair trade is noted. Discounts are : Flat head, bright, 82½ and 5 per cent ; round head do., 75 and 5; flat head, brass, 75 and 5; round head do., 67½ and 5.

BOLTS — In good request and steady. Discounts are : Carriage bolts, 5-16 and smaller, 57½, per cent.; ⅜ and up, 52½ per

A NEW RANGE... "KITCHENER"



Sixty (60) sizes and styles of Ranges.

Eight (8) sizes and styles of cooks.

The most modern cheap range made in Canada.

Has ventilated oven, clinkerless duplex grates, heavy cast iron sectional linings that will not crack or crumble, and other modern ideas.

New Stove Catalogue now ready for Agents.

We supply everything for the Stove, Tin and Furnace trades.

If you want your orders filled quickly, order from McClary's.

The McClary Manufacturing Company

LONDON TORONTO MONTREAL WINNIPEG VANCOUVER



Do you buy whatever galvanized iron your jobber happens to have?

You are losing money in two or three ways.

Apollo Iron and Steel Company, Pittsburgh.

Cements { PORTLAND ROMAN KEENE'S

Bricks . . { FIRE BUILDING PAVING

Sand . . . { SILICA FIRE MOULDING BUILDING

F. HYDE & CO.

31 Wellington street, MONTREAL

English Castor Oil

GUARANTEED PURE.

Pharmaceutical, Tasteless, Cold Drawn
First Pressure
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In cases of 2 tins and in barrels. Stocked by all Hardware, Oil and Color men.

The Hull Oil Manufacturing Co.
LIMITED

B. & S.H. THOMPSON & CO.
Agents for Canada - MONTREAL

CANADA IRON FURNACE CO., Limited

Manufacturers of

CHARCOAL PIG IRON

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BRAND "C.I.F." THREE RIVERS

PLANTS AT

Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.

Geo. E. Drummond,
Managing-Director and Treasurer

cent.; full square bolts, 67½ per cent.; machine bolts, 57½ per cent.; coach screw bolts, 72½ per cent., and sleighshoe bolts, 72½ per cent.

NUTS AND WASHERS — There is a fair inquiry for these. We quote: Square, 4c. per lb. with discounts off list, and hexagon, 4½c. Washers in 5-lb. boxes are 50 per cent. discount.

RIVETS — Trade is brisk in a jobbing way. Discounts now are: Black and tinned, 50 per cent.; ditto burrs, 45 per cent., while copper rivets and burrs are 35 per cent.

CORDAGE—There is little to report in this line, trading ruling fair. We quote: Manila, 11¼c. for 7-16 and up; 11½c. for ⅜, and 12¼c. for ¼ and 5-16. Sisal, 10¾c. for 7-16 and up; 11¼c. for ⅜, and 11¾c. for ¼ and 5-16. Binder twine: Pure manila, 10½c.; 550 feet, 10c.; sisal, 500 feet, 9½c.

SHOT—Without feature. 6c. for ordinary and 6½c. for chilled.

CEMENT — Trade is quiet and prices are steady. We quote: Belgian, $1.90 to $2.10; English $2.30 to $2.40, and German, $2.45 to $2.65, per cask ex wharf.

FIREBRICKS — In fair demand and firm at $12 to $23 per 1,000 as to brand.

METALS.

The firm feeling in all heavy iron and metals is as marked as ever, and prices do not even yet appear to have reached the top.

PIG IRON—No special activity is to note in this line, but prices are firm, $20.50 being asked for No. 1 Hamilton. Scotch pig is nominal.

BAR IRON—The movement, both from mill and stocks is active, and prices are firm at $1.90 for car lots.

BLACK SHEETS —There is a good trade doing in these. Prices are: 10 to 16, $2.25; 18 to 20, $1.95; 22 to 24, $2.15; 26, $2.25, and 28, $2.30.

HOOP IRON—There is a fair trade doing and we quote $2.45.

STEEL—In fair demand. We quote: Sleighshoe and tire, $2.50; spring, $2.70; machinery, $3, and toe calk, $3.

HORSESHOE IRON—Firm at $2.15 per 100 lb.

GALVANIZED IRON — An active trade is noted in this material. We quote: Queen's Head, $4.55 to $4.80; Comet brand, $4.30 to $4.55, according to the size of the order.

INGOT COPPER—Without change on spot at 19½ to 20c.

INGOT TIN—As last reported, with prices steady at 29 to 30c.

PIG LEAD—There is no change in lead, which rules stiff at $4.25.

LEAD PIPE — Steady. We quote: 7c.

SHEET IRON STEEL

All grades for import at closest prices.

A. C. LESLIE & CO.

MONTREAL.

Sanderson's Cast Steel in stock.

FOX

All-Steel Sash Pulleys

THEY require no Screws—this means a saving of a gross of screws on every six dozen Pulleys.

THEY can be applied quicker than any other Pulley.

THEY are cheap, strong and durable.

NO NAILS NO SCREWS
JUST BORE FOUR HOLES

AIKENHEAD HARDWARE CO.
Toronto.

ADAM HOPE & CO.

30 JOHN STREET N.

Hamilton, Ont.

PIG TIN
PIG COPPER INGOTS
PIG LEAD
ANTIMONY
TIN, and CANADA PLATES

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

for ordinary, and 7¼c. for composition waste, with 17½ per cent. discount.

IRON PIPE—There is no change to note in this line this week. We quote: Black pipe, ⅛ and ⅜-inch, $3.12; ½-inch, $3.09; ¾-inch, $3.72; 1-inch, $5.14; 1¼-inch, $6.82; 1½-inch $8.66, and 2-inch, $11.02. Galvanized pipe, ⅛ and ⅜-inch, $5.64; ½-inch, $6.64; ¾-inch, $7.41; 1-inch, $10.12; 1¼-inch, $14.03; 1½-inch, $17.16, and 2-inch, $23.

CANADA PLATES — An active business is doing in Canada plates. We quote: 52's, $2.25 to $2.30; 60's $2.35 to $2.40; 75's, $2.45 to $2.50; full polished, $3.10; galvanized Canada plates, $4.10 for 52's.

TINPLATES — There is a good inquiry for these. We quote: Coke, I.C., $3.50; charcoal, I.C., Allaway or Comet brands, $3.75; do. I. X., $4.50; Lincoln, $4; P. D. Crown, $4.25; do. I. X., $5.25; Bradley's, $6.05.

TERNE PLATE—In fair request at $6.25.

COIL CHAIN—Firm at the rise. We quote: No. 6, 10¾c.; No. 5, 9¼c.; No. 4, 8¼c., and No. 3, 7¼c. per lb.; ¼-inch, $6; 5-16, $4.75; ⅜, $4.25; 7-16, $4.10; ½, $4; 9-16, $3.95; ⅝, $3.85; ¾, $3.65, and ⅞, $3.55 per 100 lb.

SHEET ZINC—Quiet and steady, at 8 to 8¼c.

ANTIMONY—Steady, at 10 to 11c.

SPELTER—Without change from $7.

GLASS.

Trade in window glass has not been very active this week. We quote: First break, $1.80; second, $1.90 per 50 feet; first break per 100 feet, $3.50; second, $3.75; third, $4; fourth, $4.25; fifth, $4.75; sixth, $5.25, and seventh, $5.75.

PAINTS AND OILS.

There is little change to report in leads, business ruling quiet, but values are firmly held all round. In oils, castor oil, in a jobbing way, is firm at 7½ to 8c. Round lots of steam-refined seal oil are offering at 32½ to 35c., and in a jobbing way, 37½c. Pure, prime cod oil is lower at 35 to 37½c.

WHITE LEAD—Best brands, Government standard, $6.00; No. 1, $5.62½; No. 2, $5.25; No. 3, $4.87½.

DRY WHITE LEAD—$4.75 in casks; kegs, $5.

RED LEAD—Firm; casks, $4.75; in kegs, $4.50.

WHITE ZINC PAINT—Pure, 8c.; No. 1, 6½c.; in oil, pure, 9c.; No. 1, 7½c.

PUTTY —We quote: Bulk, $1.65; bladders, in bbls., $1.80; bladders, in cases, $1.95; in tins, $2.05 to $2.30.

LINSEED OIL—We quote: Raw, 57c.; boiled, 58c., five to nine-barrels, 1c. less, ten and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to four barrels, 61c., two to four-barrel lots, 1c. less, five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Firm; $1 to $1.20 per gallon.

CASTOR OIL—Firm; at 7½ to 8c.

SEAL OIL—35½ to 37½c.

COD OIL—35 to 37½c.

NAVAL STORES—There is an improved demand for all lines, and prices show no change. We quote as follows: Resins, $2.75 to $4.50, as to brand; coal tar, $3 to $3.50; cotton waste, 4½ to 5½c. for colored, and 6 to 7½c. for white; oakum, 5½ to 6½c., and cotton oakum 9 to 11c.

PARIS GREEN—We quote: 250-lb. casks, 13½c.; 50-lb. drums, 14c.; 1-lb. packages, 15c.; ½-lb. packages, 16½c.; 1-lb. tins, 15½c.

MONTREAL NOTES.

There is a possibility that Montreal will have a smokeless powder factory in the near future, if the negotiations now going on between certain parties are brought to a successful termination.

ONTARIO MARKETS.

TORONTO, June 30, 1899.

HARDWARE.

TRADE is fairly good, although it is perhaps not as brisk as it was a week ago. Business during the past week has not been characterized by any particularly new and striking developments. Prices in shelf and heavy hardware are much as they were before. Manila rope is 1c. per lb. higher, the base now being 12c. per lb. Wire nails are in good demand, and a fair business is being done in cut nails. Horse nails are quiet. A fair trade is reported in galvanized and oiled and annealed wires. Cutlery is in fair demand; so are sporting goods. Green wire cloth, screen doors and windows and some lines of harvest tools are still scarce. A good many letter orders are still coming in and payments are fair.

BARBED WIRE—There is a little doing, and the price is unchanged at $3.25 f.o.b. Toronto.

SMOOTH STEEL WIRE — Trade is fair, particularly in oiled and annealed wire. There is very little doing in hay-baling wire. We quote $2.60 f.o.b. factory point.

GALVANIZED WIRE—Trade is fair. We quote: Nos. 6, 7, 8 gauge, $3.40; No. 9, $2.90; No. 10, $3.50; No. 11, $3.55; No. 12, $3.05; No. 13, $3.15; No. 14, $3.90; No. 15, $4.50; No. 16, $4 65.

WIRE NAILS — Trade is comparatively

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON'
KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
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29 Years. Established 1870. 29 Years.
SEASONABLE GOODS AT RIGHT PRICES.
Barbed Wire Fencing; Agricultural Implements; Bradley Tin; Builders' and Cabinet Makers' Hardware. Special—A full line of Tinsmiths' Tools and Machinery—latest improvements.
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PERSONS addressing advertisers will kindly mention having seen their advertisement in Canadian Hardware and Metal Merchant.

WESTERN Incorporated 1851.
ASSURANCE COMPANY
Fire and Marine
Capital, subscribed $2,000,000.00
Capital - - - 1,000,000.00
Assets, over - - 2,340,000.00
Annual Income - 2,290,000.00
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"Get the Best."
Mfrs. of
Cages, Tinware, Lanterns, Traps, Stovepipe and Elbows.
Send for new Catalogue.

JOHN BOWMAN HARDWARE & COAL CO.

London, Ont.

Just Received a large consignment of WINDOW GLASS per S.S. Sylvania and can fill all orders promptly.

brisk and prices firm at $2.65 base f.o.b. Toronto.

CUT NAILS — Trade is merely moderate in cut nails. The base price is unchanged at $2.15, f.o.b. Toronto, Hamilton and London.

HORSE NAILS — Trade is moderate and without special feature. We quote: Standard, oval head, 50 per cent.; Acadia, countersunk head, 50 and 20 per cent.

HORSESHOES — Business is still quiet. We quote f. o. b. Toronto, Hamilton, London and Guelph: No. 2 and larger, light, medium and heavy iron shoes, $3.50; snow shoes, $3.75; light steel shoes, $3.75; featherweight shoes, all sizes, $5. No. 1 and smaller, light, medium and heavy iron shoes, $3.75 per keg; iron snow shoes, $4.00; light steel shoes, $4.00; featherweight steel shoes, all sizes, $5.00.

SCREWS —A good business is still to be noted. We quote as follows: Flat head bright, 82½ and 5 per cent. off the list; round head bright, 75 and 5 per cent.; flat head brass, 75 and 5 per cent.; round head brass, 67½ and 5 per cent.; flat head bronze, 67½ and 5 per cent.; round head bronze, 62½ and 5 per cent.

BOLTS—The demand for all seasonable lines continues good. We quote: Norway bolts, full square, 67½ per cent.; common carriage bolts, 5-16 and under, 57½ per cent.; ditto, ⅜ and larger, 52½ per cent.; ditto, full square, 67½ per cent.; machine bolts, all sizes, 57½ per cent.; coach screws, 72½ per cent.; sleighshoe bolts, 72½ per cent.; blank bolts, 57½ per cent.; bolt ends, 62½ per cent.; nuts, square, 4c.; nuts, hexagon, 4½c.; tapping nuts, 60 per cent.; tire bolts, 65 and 10 per cent.; stove bolts, 65 and 10 per cent.

RIVETS AND BURRS — No new features have developed, trade still being good. We quote as follows: Carriage section, wagon box rivets, etc. (steel), 60 per cent. off the list; ditto (Norway iron), 55 per cent.; black M rivets, (steel) 60 per cent.; ditto (Norway iron), 50 per cent.; iron burrs, 45 per cent.; copper rivets, 35 per cent.; bifurcated, with box, $1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

ROPE—Prices have advanced 1c. per lb. in manila rope in sympathy with the outside markets. Sisal is unchanged. A fair business is being done in rope, although the demand is not as good as it was. We quote: Sisal, 7-16 in. and larger, 10½c. per lb.; ⅜ in., 11c.; ¼ and 5-16 in., 11½c. Manila, 7-16 in. and larger, 12c. per lb.; ⅜ in., 12½c.; ¼ and 5-16 in., 13c.; New Zealand, 9½c. per lb.; Deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 8¾c. Clotheslines, 48 feet, 90c.; 60 feet, $1.20; 72 feet, $1.50; 100 feet, $2.

CHURNS—Business is fair. We quote as follows: Metal frame—No. 0, $3; No. 1, $3.20; No. 2, $3.40; No. 3, $3.75; No. 4, $4.50; No. 5, $5.90. The price of wooden frames is 15c. per churn less than the above. Terms, 3 per cent. off 30 days f.o.b. Toronto.

WRINGERS—Trade is still fair. We quote: "Leader," $60 per doz.; "Royal Canadian," $58; "Royal American," $48. Prices are all f. o. b. Toronto, Hamilton, Brockville, and Montreal. Discount, 45 per cent. Terms, four months, or 3 per cent., 30 days.

BUILDING PAPER--A fair trade is reported, and the supply is equal to the demand. We quote: Plain building, 28c. per roll; tarred lining, 35c., according to quality; tarred roofing felt, $1.40 per 100 lb.; carpet felt, $2.25 per 100 lb.

GREEN WIRE CLOTH— The Canadian factory has refused to accept fresh orders on account of the number it has still booked. The demand is still active and price unchanged at $1.75 per 100 square feet.

POULTRY NETTING—The demand is fair and prices firm at the recent change. Discount 50 per cent.

JELLSTONE.

We will have this in stock in the course of a few days, put up in 5-lb. packages (white and eight tints) at the same price as barrels.

Don't load up with inferior Wall Coatings at higher prices.

SANDERSON PEARCY & CO.

---- TORONTO ----

SPADES AND SHOVELS —Are going out in smaller quantities, although there is still a fair trade doing. Discount 40 and 5 per cent.

TOOLS—There is a good supply of snaths and scythes, but turnip hoes are scarce. The demand for harvest tools continues good. Discount, 60, 10 and 5 per cent.

SCREEN WINDOWS AND DOORS—Retailers are ordering every day, but jobbers are unable to get supplies. The scarcity is even more pronounced than it was.

CUTLERY — Some nice orders have been received the past week for general lines.

SPORTING GOODS—There is some business being done, but it is mostly for future delivery.

METALS.

The general tone of the metal market is firm. Local quotations on pig tin, certain brands of tinplate and on Canada plates are all higher.

PIG IRON — High prices are being maintained, and there appears to be no sign of a reaction. We still quote Hamilton iron at $18.50 to $19 at the furnace.

BAR IRON — Prices continue firm. We quote base at $1.90 to $1.95.

BLACK SHEETS—Prices are advancing in England, and higher figures are looked for here. We quote: 18 to 20 gauge, $2.60; 22 to 24, $2.70; 26, $2.80, 28, $3. Business is quiet.

GALVANIZED IRON—American galvanized iron is practically out of the Canadian market, and stocks in English iron are getting light.

COPPER—Trade is quiet in ingot copper, but a good demand is being experienced for sheets. Copper is more active and stronger in New York, and in London, England, prices are higher. Locally, prices are unchanged. Ingot is still quoted at 19 to 19½c. per lb., sheet 23 to 23½c., and bar at 23½ to 25c.

BRASS—Trade is decidedly active in sheet brass.

PIG TIN—The market is higher in both New York and London, and local quotations are 1c. above those of a week ago. The demand is only moderate. We quote 29½ to 30c. for Straits, and 30 to 31c. for Lamb and Flag.

TINPLATES—The English markets are higher, cables on Wednesday quoting 13s. 3d. to 13s. 4½d. for ordinary 14 x 20 Bessemer coke plates. Locally, there is a scarcity of stock in the standard sizes, and prices are 25c. higher, and we quote bright charcoal plates at $5.75 base.

CANADA PLATES — All dull and half-polished have been advanced 5 to 10c. Business is a little better than it was. We quote: All dull, $2.60 per box; half-polished, $2.65; all bright, $3.10 per box.

LEAD PIPE—Business keeps fair. We quote: Ordinary pipe, 7c.; waste, 7½c. Discount, 17½ per cent.

PIG LEAD—Only a small trade is being done in this line. We quote 4¼ to 4½c. per lb.

IRON PIPE — The demand continues brisk, and prices are unchanged. We quote as follows: ⅛ to ⅜ inch, $3.10; ½ inch, $3.25; ¾ inch, $3.80; 1 inch, $5.25; 1¼ inch, $7; 1½ inch, $8.75; 2 inch, $12; 2½ to 6 inch, discount 50 per cent. Galvanized pipe: ¼ inch, $6; ¾ inch, $7.50; 1 inch, $10.50; 1¼ inch, $14.75; 1½ inch, $18.50; 2 inch, $26.

RANGE BOILERS — Prices are fair and demand good We quote as follows: Galvanized, 30 gals., $9; 35 gal., $10; 40 gal., $11. Copper, 30 gal., $22; 35 gal., $26; 40 gal., $30; discount off copper boilers, 10 per cent.

COIL CHAIN—The market is firm at the recent advance. We quote as follows: ¼ in. $6.75; 5-16 in., $4.75; ⅜ in., $4.30; 7-16 in., $4.15; ½ in., $3.05; ⅝ in., $3.85; ¾ in., $3.75.

SHEET ZINC—Trade is more active, but prices are unchanged at 8¼c. for cask lots and 8½c. for small lots.

SPELTER—Very little doing. The recent decline in the New York market is thought to have touched bottom.

SOLDER—Trade is moderate. We quote: Half and half, 17c.; refined, 16½c.; wiping, 6c.

ANTIMONY — Prices are steady at 11 to 11½c. per lb. for Cookson's. Trade is quiet.

OUR . . .

Metallic

CEILINGS and WALLS

make the most durably handsome interior finish made.

That accounts for their popularity.

The numberless artistic designs we make suit private houses or public buildings, and give the most beautiful effect obtainable.



Sample Plate No. 229.

They are fireproof, sanitary, easily applied, and don't want renewing—just what practical people want. We furnish working drawings for each job.

Full information in our Catalogue—it will interest you.

THE METALLIC ROOFING CO., Limited

1179 King St. West, TORONTO.

PAINTS AND OILS.

Local jobbers report that general repeat orders continue to keep business active. The demand for turpentine has picked up greatly in the past week, as retailers who were holding off in the hope of a drop have started to buy. The feeling, however, notwithstanding this increased business, is easy. A decline of 2c. goes into effect on Monday morning, July 3. Linseed oil is firm, and is moving well. Paris green is in fair demand at steady prices. Some small shipments of whiting have, to a certain extent, relieved the shortage noted in the last couple of weeks. White lead, especially the costlier imported brands, has been moving in large quantities lately. The sale of prepared paints, sundries, glues, etc., continues excellent for June. The prices of nearly all grades of glue have been advanced 1 to 2c. There is some talk on the market of an association to govern the price of varnishes, but, as yet, nothing definite has been done towards the formation of such an organization. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $6.12½; No. 1, $5.75; No. 2, $5.37½; No. 3, $5; No. 4, $4.62½; dry white lead in casks, $5.10.

RED LEAD—Genuine, in casks of 560 lb., $4.90 to $5; ditto, in kegs of 100 lb., $5.15 to $5.50; No. 1, in casks of 560 lb., $4.75; ditto, kegs of 100 lb., $5.

LITHARGE AND ORANGE MINERAL—We quote: Litharge, 6 to 6½c.; orange mineral, 7½ to 8½c.

WHITE ZINC—Genuine, French V.M., in casks, $7 to $7.25; Lehigh, in casks, $6.

PARIS WHITE—We quote 90c.

WHITING — 55c. per 100 lb.; Gilders' whiting, 85c.

GUM SHELLAC—In cases, 24c.

PLASTER PARIS — Ordinary, $1.75 per barrel; New Brunswick, $2 per barrel.

PUMICE STONE—Powdered, $2.50 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, $1 per gallon; No. 1 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9c. per lb. and 10c. for single tins.

LINSEED OIL — Quotations to outside western points are (freight allowed): Raw, 1 to 4 barrels, 57c.; boiled, 1 to 4 barrels, 60c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside western points, freight allowed, 1 to 4 barrels, 61c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

Business in window glass is quiet. A fair demand for ornamental and fancy glass is reported. A cable was received on Thursday by one house which notified it of a fairly large shipment of window glass which left Belgium last Saturday. This is the only shipment that has yet started for Toronto. Prices for present delivery are unchanged at the following figures: Star, first break in 50-foot boxes, $2, and in 100-foot boxes, $3.75; double diamond under 25 united inches, $6, Toronto, Hamilton and London; terms 4 months or 3 per cent. 30 days.

OLD MATERIAL.

Prices are unchanged, but holders of lorge quantities could get an advance of 2 to 5 per cent. on all iron scrap, and ½ to 1c. on copper and brass. We quote as follows: Agricultural scrap, 50c. per cwt.; machinery cast, 55c. per cwt.; stove cast scrap, 40c.; No. 1 wrought scrap, 50c. per 100 lb.; new light scrap copper, 12c. per lb.; bottoms, 11c.; heavy copper, 14c.; light scrap brass, 7c.; heavy yellow scrap brass, 9c.; heavy red scrap brass, 10c.; scrap lead, 2½c.; zinc, 3c; scrap rubber, 4c.; good country mixed rags, 65 to 75c.; clean dry bones, 45 to 50c. per 100 lb.

HIDES, SKINS AND WOOL.

HIDES Deliveries continue large. Prices are steady. We quote cowhides: No. 1, 8¼c.; No. 2, 7¼c.; No. 3, 6¼c. Steer hides are worth ½c. more. Cured hides are worth 9c.

SKINS—There is no change. We quote as follows: No. 1 veal, 8-lb. and up, 9c. per lb.; No. 2, 7c.; dekins, from 30 to 35c.; culls, 15 to 20c. Sheepskins are worth 90c. to $1, and lambskins, 25c.

WOOL—A stronger feeling is noted, causing an advance of 1c. Receipts are larger. We quote fleece at 13 to 14c., and unwashed at 8 to 9c.

PETROLEUM.

There is little doing. Prices are unaltered. We quote in barrels, Toronto, as follows: Canadian, 14c.; Sarnia prime white, 14c. Sarnia water white, 15c.; photogene, 15½c.; American water white, 16½c.; Pratt's astral, 18c.

COAL.

Prices for delivery this week are unchanged, but an advance will be made for July deliveries, the amount of which is not yet known. A fair business is reported. We quote for this week anthracite at Buffalo and bridges: Egg, stove and nut, $4.25 per gross ton, or $3.79 per net ton; grate, $4 per gross ton or $3.57 per net ton.

MARKET NOTES.

Coal will likely advance on Monday.

Terne plates are 25c. higher at $7 to $8.50.

Standard sizes of tinplates are 25c. per box higher.

Manila rope is 1c. per lb. dearer. Sisal is unchanged.

On Monday morning next turpentine will be reduced 2c.

Pig tin is quoted 1c. per lb. higher by Toronto jobbers.

All glues, except common and coopers', have advanced 1 to 2c.

THE DANGER OF AUTOCARS.

Fires on autocars are becoming rather frequent in France, according to an English paper. In fact, they are scarcely any longer looked upon as a novelty. The latest conflagration of the kind occurred one Saturday evening in the rue de Chartres, at Neuilly-sur-Seine, when a car belonging to Baron Merlin was destroyed. His attendant foolishly tried to fill the reservoir with petroleum without extinguishing the burners. The result was that the oil took fire and the carriage was completely destroyed in about 15 minutes, the flames rising nearly as high as the top of the neighboring houses. The loss entailed is about £400.

INCREASED UNITED STATES IRON PRODUCTION.

The Iron Age, in its monthly review of the pig iron production, says:

"Gradually, the preparations to increase output are telling, and the May production was larger, although the general fact is noticed that many furnaces are not doing quite as well as expected. Then, too, a considerable number have been forced to go out for repairs. The current month, however, promises to add a notable number of stacks to the productive list which have long been idle, while work is going on in connection with other plants which will bring them into line in July and August.

"The weekly capacity of the furnaces in blast on June 1 compares as follows with that of preceding periods:

	Furnaces in Blast.	Capacity Per Week. Gross tons.
June 1, 1899	220	256,062
May 1	217	250,095
April 1	205	245,746
March 1,	192	228,195
February 1	195	237,639
January 1	200	243,516
December 1, 1898.	195	235,528
November 1	196	228,935
October 1	192	215,635
September 1	186	213,143
August 1	187	206,777
July 1	185	216,311
June 1	190	225,398
May 1	194	234,163
April 1,	194	233,339
March 1	193	234,430
February 1,	184	228,338
January 1	188	226,608
December 1, 1897.	191	226,024
November 1	183	213,159
October 1	171	200,128
September 1	161	185,506
August 1	152	165,378
July 1	145	164,064

"The position of furnace stocks, sold and unsold, as reported to us, was as follows on June 1, the same furnaces being represented as in former months. This does not include the holdings of the steel works producing their own iron:

Stocks—	Jan. 1.	Apr. 1	May 1	June 1.
Anthracite & coke	402,260	229,907	205,125	167,260
Charcoal	104,315	82,056	79,002	65,642
Totals	506,575	311,963	284,127	233,335

"We are indebted to The American Pig Iron Storage Warrant Company for the following statement of stocks of warrant iron:

Stocks—	Jan 1.	Apr. 1.	May 1.	June 1.
Coke & anthracite	113,100	82,700	60,700	46,900
Charcoal	37,700	27,000	25,800	20,400
Totals	150,800	109,700	86,500	67,300

"In other words, the total reported stocks figure out a little more than one week's consumption."

76,800 Daily Production
5 Factories
5 Brands
For Sale all over the world.
16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of America.
NICHOLSON FILES
NICHOLSON FILE CO., Providence, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited. Established 1773.
Manufacturers of **Polished, Silvered, Bevelled Chequered, and Rough Plate Glass.** Also of a durable, highly-polished material called "**MARBLETTE,**" suitable for Advertising Tablets, Signs, Facias, Direct on Plates, Clock Faces, Mural Tablets, Tombstones, etc. This is supplied plain, embossed, or with incised gilt letters **Benders, Embossers, Brilliant Cutters, etc., etc.** Estimates and Designs on application.
Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow—12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glass, St. Helens." Telephone No. 68 St Helens.

MANITOBA MARKETS.

WINNIPEG, June 26, 1899.

HARDWARE houses report business as very good indeed ; remarkably so in fact. All lines of shelf and heavy hardware seem equally active.

The McLaughlin Carriage Co., Oshawa, Ont., have decided to open a branch in this city where they will carry a full line of all their goods. The branch will be in charge of Mr. R. McKenzie, Manitou, who will move to Winnipeg to take charge of the new venture. Mr. McKenzie is well and favorably known throughout Southern Manitoba, where he has done business for a number of years, and will no doubt prove a popular representative.

Several articles have advanced in price during the past week. Wire nails have advanced 15c. base and carriage bolts 7½ points. Boiled and raw linseed oil has also advanced 2c. per gallon.

Other prices remain as per last week's list :

Barbed wire, 100 lb	$3 75
Plain twist	3 75
Staples	4 25
Oiled annealed wire, 10	2 90
" 11	3 00
" 12	2 85
" 13	3 00
" 14	3 10
" 15	3 60
Wire nails, 30 to 60 dy, keg	3 25
" 16 and 20	3 30
" 10	3 40
" 8	3 55
" 6	3 60
" 4	3 80
" 3	3 75
Cut nails, 50 and 60 dy.	2 65
" 20 to 40	2 70
" 10 to 16	2 75
" 8	2 80
" 6	2 85
" 4	3 15
" 3	3 40
" 3 fine	3 70
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No. 1	4 25
No. 2 and larger	4 00
Snow shoes, No. 0 to No. 1	4 70
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 70
No. 2 and larger	4 45
Extra light	5 65
Bar and band iron, $3.40 basis.	
Swedish iron, $5 basis.	
Tool steel, Black Diamond, 100 lb	8 75
Jessop	12 75
Sheet iron, black, 10 to 12 gauge, 100 lb.	3 25
14 to 26 gauge	3 50
28 gauge	3 60
Galvanized American, 16 gauge	4 25
18 to 22 gauge	4 50
24 gauge	4 75
26 gauge	5 00
28 gauge	5 25
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 55
26 gauge	8 80
28 gauge	8 00
Tinplate, IC charcoal, 20 x 28, box	9 00
" IX "	11 00
" IXX "	13 50
Ingot tin	31
Canada plate, 18 x 21 and 18 x 24	3 25
Sheet zinc, cask lots, 100 lb	8 50
Broken lots	9 00
Pig lead, 100 lb	4 25
Wrought pipe, black up to 2 inch	50 p.c.
" Over 2 inch	50 and 10 p.c.
Rope, sisal, 7-16 and larger	11 00
" ⅜	11 50
" ¼ and 5-16	12 00
Manila, 7-16 and larger	12 00
" ⅜	12 50
" ¼ and 5-16	13 00
Solder	19
Cotton, all sizes, lb	15
Axes, per box	$5.50 to 8 00
Screws, flat head, iron	80, and 5 p.c.
Round " "	70 and 10 p.c.
Flat " brass	70 and 10 p.c.
Round " "	65 p.c.
Bolts, carriage 5-16 and smaller	45 p.c.
⅜ and larger	40 p.c
Machine	45 p.c.
Tire	60 and 10 p.c.
Sleigh shoe	65 p.c.
Rivets, iron	50 p.c.
Copper, No. 8, lb	33⅓c.
Spades and shovels	
Harvest tools, 60 to 60-	10 p.c.
Axe handles, turned, s. g. hickory, doz	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 65
No. 1	1 25
Linseed oil, raw, per gal	57
" boiled "	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	25 p.c.
" military	15 p.c.
American R.F.	35 p.c.
C.F. pistol	5 p.c.
C.F. military	Net.
Loaded shells, Robin Hood, M	$20 00
Eley's soft, 12 gauge	15 00
chilled, 12 guage	16 50
soft, 10 guage	20 00
chilled, 10 guage	21 00
American, M	16 25
Shot, Ordinary, per 100 lb	6 50
Chilled	7 00
Powder, F.F., keg	4 75
F.F.G.	5 00
Robin Hood	10 00
Tinware, pressed, retinned	70 and 12½ p.c.
" plain	70 and 20 p.c.
Granite ware, according to quality	70 and 10 p.c.
Turpentine, by barrel	72c.
Less than barrel	75c.

MARITIME BOARD OF TRADE.

The annual meeting of the board of trade for the Maritime Provinces will be held at St. John, N.B., on August 16. Among the subjects suggested for consideration are :

1. The development of iron and steel industries.
2. Statutory conditions for fire insurance policies.
3. The proposed increase in marine insurance rates in connection with Canadian ports on the Atlantic coast.
4. Municipal taxation in the Maritime Provinces.
5. Tourist travel and the development of accommodation for summer visitors and their attraction to points of interest.
6. Encouragement of trade relations between Canada and the West Indies.

FOR SALE.

FOR SALE — BRANCH STORE — PLUMBING, Hardware, Stove, Furnace and Tinning Business. Established five years. Sales doubled in last year. Only store of its kind within ten miles. Reasons for selling—Have all the business proprietors care to see to at their main store. $3,500 stock and fixtures. Rare chance for business man. Address, H. L. WHEELOCK, Rock Island, Quebec. t.f.

Buy the Best.



HERCULES

Sash Cord.

Star Brand Cotton Rope
Star Brand Cotton Clothes Lines
Star Brand Cotton Twine

For Sale by all Wholesale Dealers

Standard Steel Toe Calks

Sizes of Blunt :





WRITE FOR DISCOUNTS.





Sizes of Sharp Calks below for Fall of 1899 :

NO.	LENGTH.	SIZE.
0	1½ inch	3/8 x 5/16
1	1½ "	1/2 x 5/16
2	1¾ "	9/16 x 3/8
3	2 "	5/8 x 3/8
4	2¼ inch	3/4 x 3/8
5	2½ "	3/4 x 3/8
6	2¾ "	7/8 x 7/16
7	3 "	7/8 x 7/16

Price, $1.25 per box of 25 lbs. in bulk.
Or 24 lbs. in 4-lb. packages.

NO.	LENGTH.	SIZE.
0	1½ inch	9/16 x 3/8
1	1¾ "	9/16 x 3/8
2	2 "	11/16 x 7/16
3	2¼ "	3/4 x 1/2
4	2½ inch	3/4 x 1/2
5	2¾ "	15/16 x 9/16
6	3 "	15/16 x 9/16

Price, $1.50 per box of 25 lbs. in bulk.
Or 24 lbs. in 4-lb. packages.

JAMES PENDER & CO., Limited, Sole Mfrs. **Saint John, N. B., Canada.**

The Canada Paint Company

LIMITED

MONTREAL and TORONTO.

Midsummer Letter

572 William Street,
Montreal, July 1st, 1899.

EMERGING from the pressure of the Spring Trade, we are constrained to set ourselves right with any of our clients who may feel that their orders during May were not filled as promptly as has been our custom.

The Spring trade became active from the 1st of February, and, though the increase of business was not marked, we kept pace closely until near the end of April, and our friends were never better served.

The business done in May was **in excess of any previous month in our history,** and every department was fit for the work, except the Color Making department, which, through unusual pressure, together with a heavy Paris Green season, had more to do than could be overtaken, and this led to some detention of supplies to other departments.

This congestion is now almost over, but, as a result of it, we have decided to erect new buildings for the housing of our Chemical Color department, which will more than double our present capacity.

This season's operations prove to us that **value is the best guarantee of success.** Our friends are appreciating this, and we confirm all guarantees already expressed in this connection.

To say we are grateful, gives but a faint idea of our appreciation of the support of the trade during the first part of 1899. The increase looked forward to for the year, as expressed in our New Year's letter, has been more than half attained in the six months ending May, and we have awarded a corresponding dividend to our representatives. We hope and expect to attain the remainder in due time.

Letter Orders receive quick despatch at the closest market figures, and we depend upon the continued steady support of all our clients for the Summer and Fall trade, assuring them of our best services.

THE CANADA PAINT CO., Limited

GURNEY'S EMPLOYES AT THE FALLS

THE Gurney Foundry Co., Limited, Toronto, must wish their customers were always as good to them as was the kind Providence which allotted them such a beautiful day for their excursion to, and picnic at, Niagara Falls on Saturday last.

At 7 o'clock, when the Chippewa started across the lake with a full boatload of excursionists, all agreed that better weather could not have deen desired. The sky was clear and the lake almost as bright and smooth as the nickel work on Imperial Oxford stoves.

Over 700 employes and their friends took in the excursion and picnic. Included in the number were Messrs. W. H. Carrick, general-manager, and T. B. Alcock, secretary of the company. The plumbing trade was represented by John Gibbs, Yonge street, and Bates & Robinson, Spadina avenue, and the stove trade by Wm. Thompson, of Gibson & Thompson, 435 Yonge street; Geo. J. Hooper, 1366 Queen east; J. S. Hall, 1097½ Yonge street; John Taylor, 799 and 801 Yonge street, and Ed. Westwood, jr., 633 Queen street west.

After a delightful sail across the lake and up the Niagara river to Queenston, the excursionists were transferred to the electric cars, and soon were winding their way up Queenston Heights, past Brock's monument, and along the shores of the Niagara. Though most of the party had taken the trip before, the beautiful panoramic view of the river from many points, the great, high cliffs, the whirlpool, the rapids, the falls, and the many other points of interest excited enthusiastic expressions of admiration from young and old.

When the cars reached Queen Victoria Park at the Falls, they contained a hungry party of excursionists; but the hotel accommodation there is excellent, and those who did not bring baskets were soon robbed of their hunger by one or another of the caterers in or near the park.

After dinner, a programme of races, etc., was run off, some of the events proving very interesting. The event of the day, however, was a baseball match between the employes of the Gurney and the O'Keefe firms. The game was at all times interesting, and at several stages served to arouse considerable enthusiasm among the sympathizers of the two teams. The Gurney team proved the better one, largely through the good work of its battery, winning out by a score of 18 to 8.

After supper, a large portion of the excursionists returned on the 6 o'clock boat, the remainder waiting for the later one. All arrived home in safety, however, fully satisfied with their day's outing.

"GOOD CHEER"

Stoves and Ranges



A FULL LINE OF

Ranges. 4-Hole and 6-Hole, with Steel Oven.

Wood and Coal Cooks with Steel Oven.

Base Burners. Medium size, with or without Steel Oven.

Todds. Double Heaters, two sizes.

Round Oaks. Three sizes.

The

James Stewart Manufacturing Co.

LIMITED

WOODSTOCK, ONT.

The Selling Qualities

Of our new

IMPERIAL OXFORD

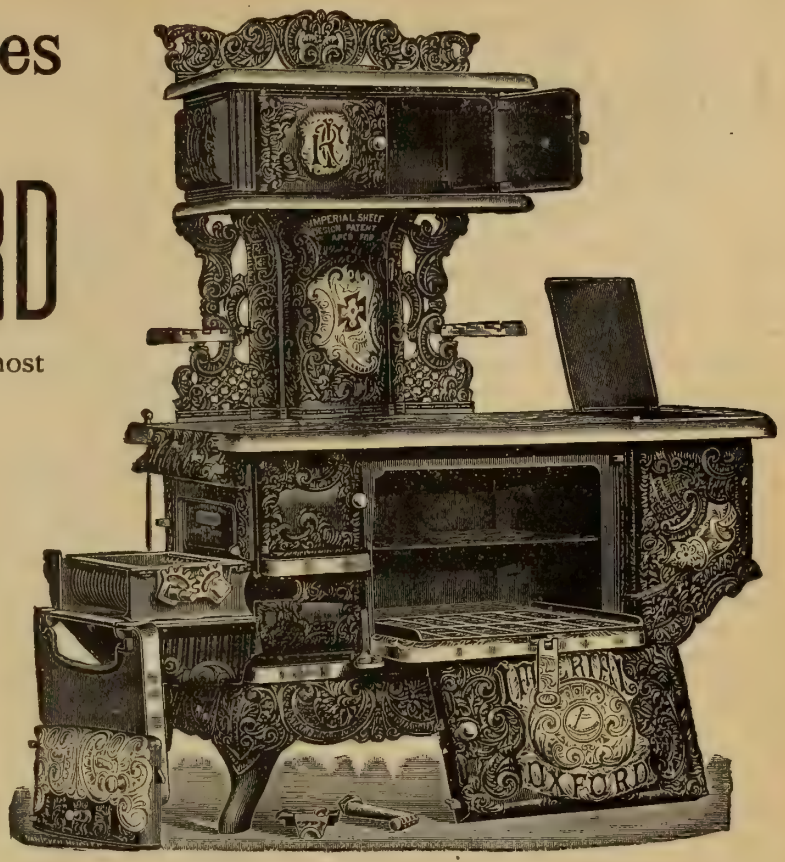
Make them the most desirable stock you can handle.

THEIR DIFFUSIVE FLUE CONSTRUCTION
FRONT DRAW-OUT GRATE
OVEN THERMOMETER
DRAW-OUT OVEN RACK

and other improved features give them a quickly appreciated precedence over other ranges.

Customers can realize the superiority on sight—sales are easy.

Have you our Catalogue and Price List?



The Gurney Foundry Co., Limited, Toronto

The Gurney-Massey Co., Limited, Montreal.
Winnipeg Agents: 155 and 157 Lombard St. Vancouver Agent: C. A. Godson, 151 Hastings St.

METALS

Antimony, Lead,
Copper, Tin,
Zinc.

From stock or for importation.

M. & L. Samuel, Benjamin & Co.

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64 Fenchurch Street, London, E.C.

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HEATING AND PLUMBING

SELECTION AND CARE OF GAS FIXTURES.

THERE is probably no branch of the building profession that admits of so much ornamentation and lends so much to the interior decoration of a new building as that of gas and electric light fixtures, writes Wilbur L. Burgess, in Kansas City Architect and Builder. Yet, there is no subject so rarely touched on by architectural and building trade journals. Ornamental brass work for lighting purposes dates to the golden candlesticks of Biblical times. How often do we read or hear of some ancient candelabra selling for a fabulous price, not for any particular handiwork, but simply as a relic. The present generation goes crazy over the handiwork of a few generations past. But it is truly said that age makes architectural styles valuable. We are living in an age of finer workmanship than the world ever knew. I really believe that ornamental metal work for lighting purposes is yet in its infancy. More elaborate and unique designs are executed every year. Wrought iron is entering more and more into competition with brass for fixture work. For some purposes iron is more suitable than brass, especially when exposed to the elements or where flies congregate. When carefully wrought, black iron gives more character to a fixture than brass. Copper is used to a considerable extent for very fine work. It takes a very smooth finish, and, being softer than brass, is easier worked.

SELECTION OF GAS FIXTURES.

On an average, it only falls to the lot of an individual to select gas fixtures once in a lifetime. He is all at sea, and the more he looks the less he knows. Much must be left to the salesman. Same as in buying a suit of clothes, much must be intrusted to the honesty of the tailor. All gas fixtures, when new, look equally bright. The question with the buyer is how long will the goods retain their lustre. This question can be answered to a great extent by the salesman if he is familiar with his line. There are certain factories whose finish will remain bright almost indefinitely. There are numerous factories whose goods are most sure to tarnish within a few months. This is caused by an inferior lacquer used, and the method of applying. In selecting gas fixtures some judgment should be used in making a choice suitable for the surroundings. This is a matter which is usually neglected. How often do we see an otherwise well-appointed home with hideous-looking fixtures. A person will spend considerable money fitting up a home with elegant furniture and hang the most unsightly thing in the most conspicuous place in the room for a chandelier, forgetting that a gas fixture is as much in the line of furniture as a table, a couch, or a carpet. This is caused by so many people living in rented houses, where the fixtures have been purchased by the landlord, who does not have to live with the goods, and does not care how they look. A property owner who has houses to rent should take extra pains in keeping his property in an attractive condition, as property of that kind is scarcely ever vacant, and when it is vacant the gas fixtures and mantels are the only furniture in it which make it homelike. An individual building a home would not think of submitting the purchase of his furniture to the disinterested contractor, yet in many cases the owner has no choice as to the kind of fixtures that are put in.

As much depends on the placing of fixtures in position as on the goods themselves. All parts should be made to fit perfectly, so there will be no rattling. The keys should be thoroughly examined, to see that they are properly ground. The chandeliers should hang the proper distance from the floor, so a person lighting them will not have to strain himself to reach the keys. Where extensions are required, a new stem should be put in from the body of the fixture, and not pieced out from the present length. All connections should be cemented with gas-fitters' cement, and not stuck together with white lead, as is the usual custom with plumbers. All this requires time, but makes up in the appearance and wear of the goods.

A workman, in handling gas fixtures, cannot be too careful as to keeping his hands clean and free from perspiration and grease. In fact, a gas-fixture man must be neatness itself.

CARE OF GAS FIXTURES.

How do you clean gas fixtures? is a question that is asked the writer every day. My answer is, usually, do not let them get dirty or leave them alone. The neat housewife can hardly resist the temptation to scour them occasionally, as she does all other parts of the house at times. This is entirely unnecessary; in fact, must not be done. Brass gas fixtures and brass beds, etc., are not to be scoured. The brass is highly polished and then lacquered, and so long as the lacquer remains on the fixtures, the goods will remain bright. Any kind of scouring, or much rubbing is sure to destroy the finish. Sapolio, silver polish, alcohol, gasoline, vinegar, and all kinds of acids must be avoided, as they all tend to destroy the lacquer, and it is then a matter of a few days that the bright and cheerful goods are black and tarnished. The writer advises the use of a cheap grade of cotton flannel to remove the dust. Chamois skin is not very good, as it collects the dust and acts as a sandpaper to lacquer. But how do you remove flyspecks? is the next question. There is nothing that will remove flyspecks but to have the goods refinished. The lacquer is dissolved, and more lacquer will not make the metal bright any more than varnish will make a rough board smooth. The metal must first be repolished. To avoid flies is the requirement. Where flies are liable to congregate it is well to cover the fixtures during the fly season. In every well-regulated home there will be an occasional fly, and he is sure to light on the lowest point of the chandelier. A ribbon neatly tied on the lower part of fixture will attract the flies and save many specks from the fixture.

PLUMBING AND HEATING NOTES.

French & Healy, plumbers, Halifax, have assigned, and a meeting of their creditors has been called.

Emile Vermette has registered as proprietor of P. V. Parent & Co., plumbers, Quebec.

Building permits have been issued in Toronto to A. Malcolm, for a two-storey brich residence at 339 Crawford street, to cost $1,500; to Capt. J. P. Beaty, for a pair of brick houses at 1562 and 1564 King street west, to cost $5,500; to E. V. Ransford, for a two-storey mansard-roof brick house on Harvard street near Triller, to cost $3,000.

THE N. A. M. P. CONVENTION AT OTTAWA.

The Toronto and London officers of the National Association of Master Plumbers of Canada, and the delegates of the Toronto association, left on Thursday evening for Ottawa, to attend the convention in that city yesterday and to-day.

The executive met at 9 o'clock yesterday morning, and the convention proper was opened by President W. H. Smith, of London, at 2.30 o'clock in the afternoon.

Among the matters of interest to be brought before the convention are the organization of Provincial associations, the continuance of The Bulletin, and the appointment of a permanent secretary.

SEND for specimen copy of Phillips' Monthly Machinery Register, containing over 5,000 entries of new and second-hand machinery of every description. The oldest established and most successful medium in the world. Established 25 years for the purpose of introducing those who have machinery for sale, to those who wish to buy, has a circulation of about 50,000 copies per annum, all over the world, and is used for continual reference by a large number of firms. It is consequently a most valuable advertising medium for all engineers and manufacturers Subscription, 6s. per annum, price per copy, 6d. Sole Proprietor, CHAS. D. PHILLIPS, M.I.M.E., Newport, Mon., England. Telegraphic address: "Machinery, Newport, Mon."

The Syracuse Smelting Works

ARE MANUFACTURERS OF

Plumbers' and Tinsmiths' Solder

of highest quality. Highest market prices paid for old Brass and Copper.

SYRACUSE SMELTING WORKS

MONTREAL.

We are the Oldest and Largest Manufacturers of

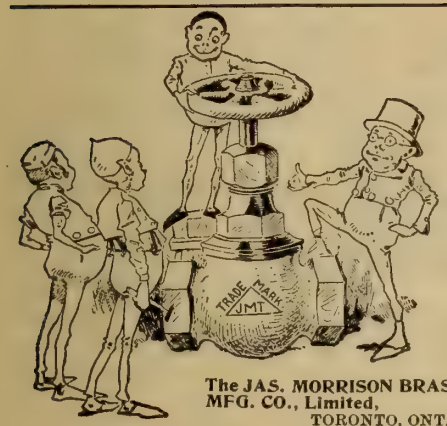
SCREWS and BICYCLE PARTS

in the Dominion. You know what that means, that if you want proper goods at proper prices you should write us, which please do if interested.

The...

John Morrow Machine Screw Co.

Ingersoll - Ontario.



The JAS. MORRISON BRASS MFG. CO., Limited, TORONTO, ONT.

Not in the Combination

Write for prices on

MRS. POTTS SAD IRON HANDLES.

M. SCHRAYER'S SONS & CO.,

49 Blue Island Ave., Chicago, Ills.



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon

Lockerby & McComb

Manufacturers of

DOMINION BRAND TARRED FELT
SHIELD BRAND SHEATHING
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2 and 3 PLY READY ROOFING

— DEALERS IN —

COAL TAR, ROOFING PITCH, ETC.

Factory, 144 Ann Street.
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MONTREAL



WINDOW GLASS

Good assortment of Star, Diamond and Double now on hand. Send in your orders before stocks get broken up and price advances.

FLOOR WAX

Old English Floor Wax the leader in the market; also Restorer, Brightener, Varnish Remover, etc., on hand.

PARIS GREEN

Pure Government standard, in bulk and packages; prices low now, but the market supply is light and prices will stiffen on demand.

EXTERIOR LEAD

The leader in the lead market. We have caught up on orders and are now ready to ship promptly.

A. RAMSAY & SON

MONTREAL

PAINT MAKERS

Toronto Foundry Co.

Manufacturers of SOIL PIPE, FITTINGS, SINKS, BOILER STANDS.

Nos. 146-148-150 Niagara Street, TORONTO

The only Exclusive Manufacturers of Soil Pipe and Soil Pipe Fittings in Canada. . . . . .

All goods stamped T. F. Co. are warranted.

Ride Good Tires



Samson
New York
C. R. Co. } Tires are Good Tires.

Write for Catalogue and Prices.

NEW YORK TIRE CO. - - Toronto, Ont.

PIRATING THE WORD "SHEFFIELD."

The movement initiated some little time back by the Cutlers' Company for the creation of a fund to protect the name "Sheffield" from fraudulent use by continental manufacturers is, I am pleased to hear, making satisfactory progress. It is only by concerted action on the part of Sheffield firms generally that anything effective can be done, as it is not reasonable to expect any individual maker to incur the trouble and risk of proceeding against offenders in foreign courts of law for checking an evil which vitally concerns the whole trade of the district.

In order to raise the wind the Cutlers' Company have issued a circular inviting subscriptions from local manufacturers. A sum of about £1,200 has already been collected in response to the appeal, so that there is now very little doubt that ample funds for fighting purposes will be forthcoming.—Ironmonger, London.

A NEW OIL AND GUANO FACTORY.

T. H. Wymonde, a capitalist from London, England, is in Vancouver in the interests of a large oil and guano plant which is being built on the Fraser river about three miles above Steveston, B.C.

These new works, which are expected to be completed and ready for operation when the new season opens next month, will give employment to about 100 men the year round and about 200 during the season. It will be fitted with modern machinery, etc., at a cost of $100,000. Seven tug boats and 20 large scows will also be part of the outfit of the plant. Mr. Wymonde claims that the advantages of salmon oil over the ordinary lubricating oil are many, and it is rapidly taking the place of the high price oil which has been in use in the past. It is also extensively used for making soap, cleaning dry goods and numberless other things which ordinary oil could not be used for.

SMEAD-DOWD SYSTEM IN TORONTO PUBLIC SCHOOLS.

Mr. Bishop, superintendent of buildings of the Toronto School Board has, in answer to an inquiry from Trustee W. S. Lee, prepared a report, showing the amount of money which has been expended by the Public School Board on the Smead-Dowd system in the school buildings, and recently condemned by the court as being contrary to the plumbing by-law. A summary of the report shows :

Total paid Smead, Dowd Co., on heating and ventilating contracts	$89,662 50
Total paid Smead, Dowd Co., changing dry closets to water carriage	1,809 75
Total paid Smead, Dowd Co., for general repairs to apparatus	1,484 43
	$92,956 68
Total paid to other contractors for changing dry closets to water carriage	$ 1,567 50
Total amount expended on the system to date...	$94,524 18

We Want Your Axe Order FOR FALL SHIPMENT.

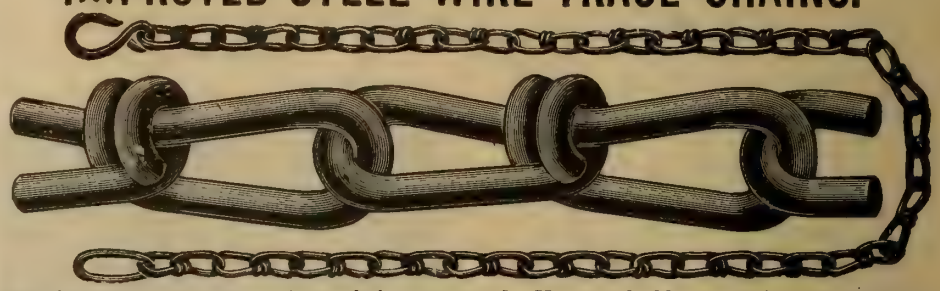
Kindly hold it till our representatives call on you.

James Warnock & Co., - Galt, Ont.

Hardwood CHARCOAL in Bulk or Sacks.
WOOD ALCOHOL equalling Methylated Spirits as a solvent.

Manufactured only by ...
THE STANDARD CHEMICAL CO., Limited
Factories { Fenelon Falls. Deseronto. Gooderham Building, TORONTO

IMPROVED STEEL WIRE TRACE CHAINS.



Made heavier and stronger. Every chain guaranteed. Most profitable and satisfactory chain to handle. Send for new prices for 1899.

THE B. GREENING WIRE CO., Limited
Hamilton, Ont., and Montreal, Que.

We are the only makers in America of the following metals :

Syracuse

Anti-Friction Babbitt Metal
for making your own Phosphor Bronze Castings.
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Double Refined Spelter
for galvanizing and making Brass Castings.
Type Metals, Solders
Needle Metals, for Knitting Mills

DEALERS IN Copper, Tin, Antimony, Aluminum, Bismuth, Scrap Brass, Scrap Copper, Iron and Steel.

WE ARE practically the only concern in America who deal in all kinds of Metals, commercially, outside of Gold and Silver.

SYRACUSE SMELTING WORKS
MONTREAL, P.Q. and SYRACUSE, N.Y.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, Montreal.

Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates Galvanized Sheets, Imitation Russia Sheets Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.



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Headquarters for . .

Oil and Artesian Well Pumps, Casing, Tubing Fittings, Drilling Tools, Tables, etc.

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Cor. Jordan and Melinda Streets

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1879 ESTABLISHED 1879

ESSEX HANDLE and WOOD TURNING WORKS.

Late of Essex, now LEAMINGTON, ONT.

Makers of Axe, Fork, Rake, Hoe, Sledge, Broom, Hammer, and all kinds of Handles. Neck Yokes, Singletrees, and Doubletrees, Bench Saws, Exercise Clubs, Baseball Bats, etc., etc. Do you sell any Shaved Pattern and Octagon Axe Handles? The largest and best trade in Canada does, because they give best satisfaction. **All stock air-dried,** not kiln-dried. If you are going to be in it, place your order with

GARDNER BROS. & CO.

ARE YOU A BUYER of

Hardware, Metals, Paints, Oils, etc.?

Send us Post Card, and a copy of the latest issue of HARDWARE AND METAL, the leading authority on these trades, will be sent to you free by next mail. Address :

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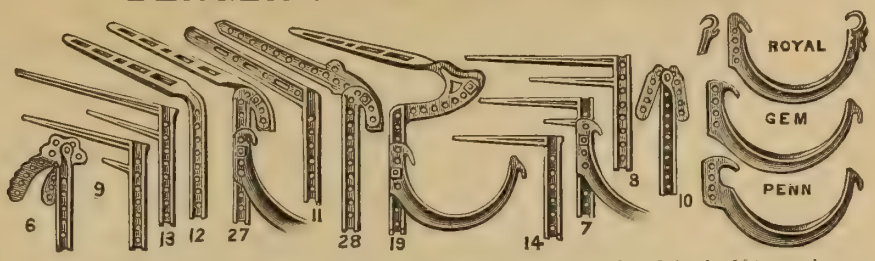
"JARDINE" TIRE UPSETTERS WILL UPSET TIRES

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.
HESPELER, ONT.

BERGER'S GUTTER HANGERS



The very best made. Strong and easy to put up and adjust. By proper selection of the shank the requirements fo any style eave will be met. Other kinds of Hangers, Pipe Hooks and Fasteners, Gutter and Pipe, and a general line of

Tinners' Hardware and Roofers' Supplies.

BERGER BROS. CO., - - - - - - - PHILADELPHIA, U.S.A.

STEVENS IDEAL, NO. 44



This is as reliable and accurate a rifle as can be constructed. Placed at a moderate price to meet the demand for such a rifle. It is recommended without qualification and fully guaranteed. Made in the following styles:

.22 Long-Rifle R. F., 25 Stevens R. F., and .32 Long R. F. Standard length of barrel for rim-fire cartridges, 24 inches. Weight 7½ pounds.

.25-20 Stevens C. F., .32-40 C. F., .38-55 C. F., and .44-40 (.44 W. C. F.) Standard length of barrel for center-fire cartridges, 26 inches. Weight, 7¾ pounds.

Half-octagon barrel, oiled walnut stock and fore-arm, rifle butt, case-hardened receiver, sporting rear and Rocky Mountain front sight.

Price, with standard length of barrel, $13.00.

Can be obtained of any of the leading jobbers in Canada at liberal discount from this price.

Send for complete catalogue of our full line of Rifles, Pistols and Machinists' Tools.

J. Stevens Arms & Tool Co., P. O. Box 217, Chicopee Falls, Mass., U S.A.

CHURCH'S POTATO BUG FINISH

Ready For Use Dry. **No Mixing Required.**

The only safe way to use a strong poison.

Worth its cost as a Fertilizer. **Does not injure the vines.**

300 pounds net in every barrel. Price, f.o.b. Paris, $2.75 per barrel, or four barrels for $10.00. Send in your orders now.

The Alabastine Company, Sole Manufacturers, Paris

Limited

HUTCHISON, SHURLY & DERRETT

DOVERCOURT TWINE MILLS.

1078 BLOOR STREET WEST, TORONTO.

Having equipped our Factory with entirely new machinery, we are prepared to furnish the best made goods in the market at closest prices and make prompt shipments.

Hand Laid Cotton Rope and Clothes Lines,
Cotton and Russian Hemp Plough Lines, plain and colored.
Cotton and Linen Fish Lines, laid and braided.
Netted Hammocks, white and colored, Tennis and Fly Nets.
Skipping Ropes, Jute, Hemp and Flax Twines.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

WM. CHAMBERLIN, general merchant, Hamilton, has assigned to David C. Haig.

Thomas Brethour, contractor, Montreal, has filed consent of assignment.

John Bidgood, general merchant, Fernie, B.C., has assigned to Stephen F. Wallace.

Jones Bros., general merchants, Belliveau Cove, N.S., are offering 20c. on the dollar.

A meeting of the creditors of Wm. Steele, tinsmith, etc., Carleton Place, Ont., has been held.

John J. Campbell, general merchant, Black Cape, Que., has assigned to John McD. Hains.

J. J. & D. L. Campbell, general merchants, New Richmond, Que., have assigned to John McD. Hains.

Assignment has been demanded of Beaucage & Co., general merchants and contractors, St. Alban, Que.

G. W. Z. Holmes, tinsmith, Hintonburg, Ont., has assigned to George Aird, and a meeting of the creditors will be held on July 4.

PARTNERSHIPS FORMED AND DISSOLVED.

Charest & Sagalla, stove dealers, Montreal, have dissolved.

N. & L. Pare, coal dealers, Lachine, Que., have dissolved.

Partnership has been registered by Leduc & Frere, general merchants, St. Tite, Que.

Daniel Lacy, general merchant, Egansville, Ont., has admitted John P. Lacy under the style of Daniel Lacy & Son.

Alexander Feldmann and Abraham Rubinger have registered partnership as painters under the style of Feldmann & Rubinger.

Dionis and Josephat Dupont have registered partnership uuder the style of Dupont & Frere, general merchants, St. Flore, Que.

New copartnership has been registered by Ephraim Phillips and Creal McArthur under the style of E. Phillips & Co., general merchants, Tyne Valley, P.E.I.

SALES MADE AND PENDING.

The assets of L. Jutras, general merchant, Richmond, Que., have been sold.

The assets of Damas Jaron, sash and door manufacturer, Pont Viau, Que., have been sold.

The stock of J. O. A. Deguire, general merchant, Glen Robertson, Ont., has been sold at auction.

The stock of Charles Laveau, hardware dealer, Quebec, has been sold to Mrs. Laveau at 55c. on the dollar.

CHANGES.

Andre Carriere, general merchant, St. Eugene, Ont., is giving up business.

George F. Beverly, hardware dealer, St. John, N.B., has sold out to J. J. Seeley.

James Sutherland, blacksmith, Woodstock, Ont., has sold out to Barney McGhee.

The Pallascio Hardware Co., Limited, has been incorporated with headquarters in Montreal.

The Hardill Compound Engine Co., Limited, of Mitchell, Ont., has been incorporated.

Delle A. Demers has registered as proprietress of L. Demers & Cie., contractors, Montreal.

Found & Carlisle, hardware dealers, etc., Ripley, Ont., have been succeeded by Isabella Franklin and Roderick Martyn.

Arthur St. Jean has registered as proprietor of Jos. Dube & Cie., painters, Montreal.

C. Joannisse & Son, sash and blind manufacturers, Buckingham, Que., are giving up business.

The Traders' Oil and Gas Developing Co., Limited, has been incorporated with headquarters at London, Ont.

Marie Louise Charron, wife of Joseph Ernest Brossard has registered as proprietress of J. E. Brosseau & Co., coal and wood dealers, Montreal.

DEATHS.

Wm. Heald, contractor, Toronto, is dead.

You can keep the

Bicycle Business Booming

All Summer

if you show some enterprise in watching the demand there is for bicycle sundries of various kinds. This is the season when these goods are in large call.

Good trade will come your way for inner tubes if you are careful to keep in stock a class of inner tubes that will satisfy your customers.

The one inner tube, of all others, that does not disappoint is the Goodrich inner tube--made of the Goodrich rubber, standard of the world, that never varies in quality.

We sell Goodrich inner tubes and we sell other inner tubes that your trade requires. Whatever is good in sundries you are sure to get here.

American Tire Co.,

LIMITED,

164-166 King St. West, TORONTO.

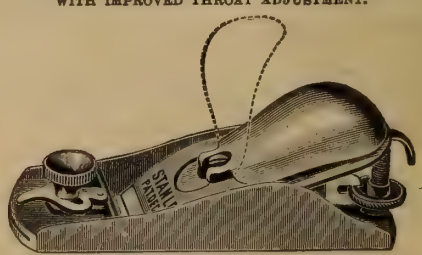
IMPROVED
Labor-Saving
CARPENTERS'
TOOLS.

STANLEY
RULE & LEVEL CO.
New Britain, Conn.

SOLD BY ALL
Hardware Dealers.

Stanley's Knuckle-Joint Block Plane.

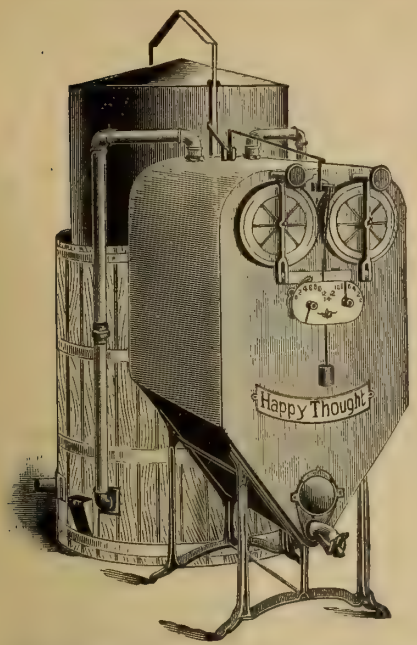
WITH IMPROVED THROAT ADJUSTMENT.



The knuckle-joint in the cap makes it a lever too; and placing the cap in position, will also clamp the cutter securely in its seat.

No. 18. Nickel Trimmings, 6 in. Length, 1¾ in. Cutter... $1 75

ACETYLENE GAS.



Send for Catalogue—the best machine made—no waste or after generation—special approval from Fire Underwriters.

THE GUELPH ACETYLENE GAS CO., LIMITED
GUELPH, ONT.



STEEL LETTERS and FIGURES.

If your Jobber does not keep our steel letters and figures send to us direct, we make everything in steel stamps.

HAMILTON STAMP & STENCIL WORKS
Hamilton, Ont.

D. F. Jones Manufacturing Co. Limited, of Gananoque, Ont.

Established 1852.

Shovels
Spades
Draining Tools

TRADE MARK. J D.F.J.MF'G.CO.

Grain and Coal Scoops and Miners' Shovels

The only Canadian manufacturers of Plain Back Shovels and Spades **THAT ARE SOLID,** without weld, and graduated from socket to point, and from centre to sides, of blades.

All our goods have trade mark on the handle.

FULL STOCK

DIAMOND BRAND



WIND GUARDS,
CHIMNEY TOPS,
FLUE LININGS,

CULVERT PIPES,
SEWER PIPES,
INVERT BLOCKS.

Manufactured by the

HAMILTON AND TORONTO SEWER PIPE CO.

Hamilton, Ontario. Limited

FOR SALE.

A NEW MARLIN RIFLE

Never been used. Just the Rifle for practice. Price $30. Will take $20.

19 Board of Trade, Montreal

THE ABBEY IMPROVED CHILLED SHOT COMPANY, LIMITED, Newcastle-on-Tyne

All England Championship Cup, value £100, also stake £100, in all £200, on 7th December, 1898, the winner fired with our shot and writes us: "You will be pleased to hear I won the All England Championship Cup. **I fired with your chilled shot.** Indeed, I would not use any other, as I know from experience it makes the best patterns and kills best."

HARRINGTON & RICHARDSON ARMS CO.

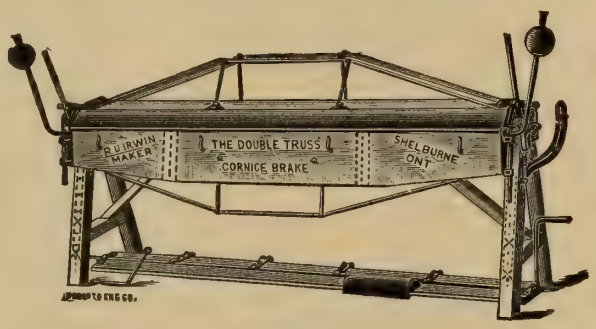
WORCESTER, MASS., U. S. A.



Makers of
High Grade **REVOLVERS**

SEND FOR COMPLETE CATALOGUE.

For sale by Sporting Goods and Hardware Stores almost everywhere.



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

Price, $50

Very handy beader attachment, $10 extra, if required.

Send for circulars and testimonials to

The Double Truss Cornice Brake Co. SHELBURNE, ONT.



Geo. D. Wood & Co.

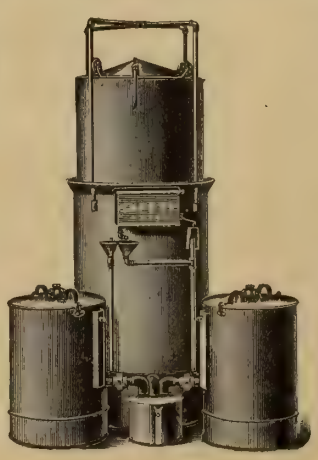
WINNIPEG, MAN.

Importers of and Dealers in

SHELF AND HEAVY
HARDWARE, PAINTS, OIL, GLASS, PUMPS, ETC.

Stock now **complete** in seasonable lines. **Prompt** shipment.

Letter orders receive **special** attention.



The "SAFETY"

ACETYLENE GAS MACHINE

manufactured by

The Safety Light & Heat Co.

DUNDAS, ONT.

What some of our friends say of us:

Gentlemen,—Referring to your inquiry, we have pleasure in saying that your Acetylene Gas Machine, after the season's run, has given us entire satisfaction. We prefer the light to either gas or electric light, and we are now satisfied that it is cheaper than either, while, with ordinary care, we consider it quite as safe as either.

THE B. GREENING WIRE CO., LIMITED, per S. O. Greening, Hamilton.

Dear Sirs,—The 15-light machine put in by you in my premises is perfectly satisfactory. I also find in lighting my store it is cheaper than coal oil. I would not have it taken out and do without it for twice what it cost.

Yours respectfully, GEO. R. HAWKINS, Seeley's Bay, Ont.

JOSEPH RODGERS & SONS Limited

SHEFFIELD, ENGLAND.

Each blade of our Goods bears the exact mark here represented.



JAMES HUTTON & CO., MONTREAL SOLE AGENTS IN CANADA.

CURRENT MARKET QUOTATIONS

June 30, 1899.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—		
56 and 28 lb. ingots, per lb.	0 30	0 31
Straits	0 29½	0 30

Tinplates.

Charcoal Plates—Bright.

		Per box.
M.L.S., equal to Bradley.		
I.C., usual sizes		$5 75
I.X., "		7 00
I.X.X., "		8 25
R. & Co.—		
I.C		5 50
I.X		6 75
I.X.X		8 00
Famous—		
I.C.		5 50
I.X.		6 75
I.X.X		8 00
Raven & Vulture Grades—		
I.C., usual sizes		4 25
I.X., "		5 00
I.X.X. "		5 75
I.XXX., "		6 50
D.C., 12½x17		3 75
D.X		4 50
D.X.X		6 50

NOTE.—Other brands might be shaded by 25c per box.

Coke Plates—Bright.

Bessemer Steel—		
I.C., usual sizes		3 60
I.C., special sizes, base		3 85
20x28		7 50

Charcoal Plates—Terne.

Dean or J. G. Grade—		
I.C., 20x28, 112 sheets		7 00
I.X., Terne Tin		8 50

Charcoal Tin Boiler Plates.

		Per lb.
Cookley Grade—		
X X., 14x56, 50 sheet bxs " 14x60 " " 14x65, "		0 06½ 0 07

Tinned Sheets.

72x30 up to 24 gauge	0 06¼	0 06¾
" 26 "	0 06¾	0 07
" 28 "	0 07½	0 07¾

Iron and Steel.

	Base	Price
Common Bar, per 100 lbs	1 90	1 95
Refined " "		2 20
Horse Shoe	1 85	1 90
Hoop steel, 1½ to 3 in. base, extras for smaller sizes		2 60
Swedish " "	4 00	4 25
Sleigh Shoe Steel " base		2 60
Tire Steel		2 50
Machinery		2 65
Cast Steel, per lb	0 10	0 14
Toe Calk Steel		2 95
Toe Weight Steel		6 10
Thos. Firth & Sons' Cast Steel	0 12	0 14
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker.	2 00	2 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½-inch	0 11
2 "	0 12
2½ "	0 14
"	

Steel Boiler Plate.

¼ inch	3 25
3-16 inch	3 40
⅜ inch and thicker	3 25

Black Sheets.

18 gauge	2 60
20 "	2 60
22 to 24 "	2 70
26 "	2 80
28 "	3 00

Canada Plates.

All dull, 52 sheets	2 60
Half polished	2 65
All bright	3 10

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ½ inch, $3 25; ¾ inch, $3.80; 1 inch, $5.25; 1¼ inch, $7.00; 1½ inch, $8.75; 2 inch, $12.00. 2½ to 6 inch, discount 60 p.c.

Galvanized, ⅜ inch to ½ inch, $6.00; ¾ inch, $7.50; 1 inch, $10.50; 1¼ inch, $14.75; 1½ inch, $18.50; 2 inch, $26.00.

Galvanized Iron.

	G C. Comet.	Amer.	Queen's Head.
16 gauge		3 85	4 00
18 to 24 gauge	4 25	4 00	4 25
26 "	4 50	4 25	4 50
28 "	4 75	4 60	4 75

Less than case lots, 25c. per 100 lb. additional.

Chain.

Proof Coil, 3-16 in., per 100 lbs	6 75
" ¼ " "	4 75
" 5-16 " "	4 30
" ⅜ " "	4 15
" 7-16 " "	3 05
" ½ " "	3 85
" ⅝ " "	3 75
" ¾ " "	
Trace, per doz. pairs	3 60 5 90
Jack chain, iron, single, per doz. yards	0 13 0 50
Jack chain, double, per doz. yards	0 15
Jack chain, brass, single, per doz. yards	20 10

Copper.

Ingot.

English B. S., ton lots	0 19	0 19½
Lake Superior		

Bolt or Bar.

Cut lengths, round, ½ to ⅞ in.	0 23½	0 25
" round and square 1 to 2 inches	0 23½	0 25

Sheet.

Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 23	0 23½
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 23	0 23½

NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.

Tinned copper sheets		0 26
Planished		0 32

Braziers. (In sheets.)

4x6 ft. 25 to 30 lbs. ea., per lb.	0 25
" 35 to 45 " "	0 24
" 50-lb. and above, "	0 23

Boiler and T. K. Pitts.

Plain Tinned, per lb	0 28
Spun, per lb	0 32

Brass.

Roll and Sheet, 14 to 30 gauge.	5 per cent.
Sheets, hard-rolled, 2x4	0 24 0 25
Tubing, base, per lb	0 24 0 25

Zinc Spelter

Foreign, per lb	0 07½	0 07¼
Domestic "		

Zinc Sheet.

1 cwt. casks		0 08¼
Part casks		0 08½

Lead.

Imported Pig, per lb	0 04¼	0 04½
Domestic, per lb		
Bar, 1 lb		05¼
Sheets, 2½ lbs. sq. ft., by roll.	0 05	05¼
Sheets. 3 to 6 lbs., per sq. ft., by roll	0 04¾	0 05

NOTE.—Cut sheets ½ cent per lb. extra Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 17½ per cent. discount

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths, lists at 7½ cents.

Shot.

Net list; no discount.

Soil Pipe.

Discount, 60 per cent.

Solder.

	Per lb.	Per lb.
Bar half-and-half	0 17	0 18¼
Refined	0 16½	0 17¾
Wiping	0 16	0 17

NOTE.—Prices of this graded according to quantity. The prices of other qualities or solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 11	0 11½

White Lead.

	Per cwt.
Pure, Assoc. guarantee, ground in oil, 25 lb. irons	6 12½
No. 1 do	5 74½
No. 2 do	5 37½
No. 3 do	5 00
No. 4 do	4 62½
Robertson's Chemically Pure	6 12½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B. B. Genuine	8 12½
" " No. 1	7 25
James' genuine	7 20
" " No. 1	6 75

White Zinc Paint.

Elephant Snow White	0 08
Pure White Zinc	0 08
No. 1	0 06
No. 2	0 05

Dry White Lead.

Pure, casks	0 05½
Pure, kegs	0 05⅝
No. 1, casks	0 04½
No. 1, kegs	0 05½

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)

Pure, per gallon	1 00
Second qualities, per gallon	0 90
Barn (in bbls.)	0 70 0 90
The Sherwin-Williams Paints	1 20
Canada Paint Co's Pure	1 00 1 10
Robertson's Pure	1 00 1 10
Sanderson Pearcy's Pure	1 00 1 10

Colors in Oil.

(25 lb. tins, Standard Quality.)

Venetian Red, per lb	0 05
Chrome Yellow	0 11
Golden Ochre	0 06
French "	0 05
Marine Black	0 09
" Green	0 09
Chrome "	0 08
French Imperial Green	0 19

Colors, Dry.

Yellow Ochre (J. C.) bbls. per cwt	1 35	1 40
Yellow Ochre (J.F.L.S.), bbls. per cwt		2 75
Yellow Ochre (Royal), per cwt	1 10	1 15
Brussels Ochre		2 00
Venetian Red (best). per cwt.	1 80	1 90
English Oxides, per cwt	3 00	3 25
American Oxides, per cwt	1 75	1 90
Canadian Oxides, per cwt	1 75	1 90
Burnt Sienna, pure, per lb		0 10
" Umber, " "		0 10
do aw		0 09
Drop Black, pure		0 09
Chrome Yellows, pure		0 18
Chrome Greens, pure. per lb.		0 12
Golden Ochre		0 03¾
Ultra marine Blue in 28-lb boxes, per lb	0 08	0 24
Fire Proof Mineral, per 100 lb.		1 00
Genuine Eng. Litharge, per lb		0 07
Mortar Color, per 100 lb		1 25
James' Gen. Red Lead, 100 lb		0 04¾
Pure Indian Red, No. 45, lb.		0 08
Whiting, per 100 lb		0 55

Paris Green.

250 lb. casks	0 13½
50 lb. drums	0 14
1 lb. packages	0 15
½ lb. "	0 16½
1-lb. tins	0 15½

Sulphate of Copper.

Casks, for spraying, per lb	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bladders in bbls	1 80
Bladders in 100 or 200 lb. kegs or bxs	1 95
Bulk in bbls., per 100	1 65
Bulk in less quantities	1 80
25-lb. tins, 4 in case	2 05
12½-lb. tins, 8 in case	2 30

Quotations f.o.b. Toronto—10c. per 100 lbs. extra Hamilton, London, Guelph. For-quantities less than 100-lbs., 2½c. per lb.

Varnishes.

(In 5-gal. lots.)	Per gal.
Carriage, No. 1	1 30 1 40
Extra do.	1 50 1 60
Body Varnish	3 40 3 50
Furniture Varnish	0 50 0 60
Extra do.	1 00 1 10
Demar Varnish	1 50
Hard Oil Finish	1 30 1 35
Orange Shellac Varnish	2 00 2 10
White Shellac	2 20 2 25
Rubbing Varnish	2 00
Brown Japan	0 75
Elastic Oak	1 20 1 30

Linseed Oil.

Raw, per gal. net	0 57
Boiled, per gal. net	0 60

Outside points 1c. more than above figures

Turpentine.

1 to 4 barrels, net	0 60

Outside points 1c. more

Castor Oil.

In cases, per lb	0 09
Small lots	0 10

Cod Oil, Etc

Cod Oil, per gal	0 50 0 55
Pure Olive	1
" Neatsfoot	

Glue.

(In bbls.)

Common	0 08½ 0 09
French Medal	0 12 0 12½
Cabinet, sheet	0 11 0 12
White, extra	0 16 0 18
Gelatine	0 22 0 30
Strip	0 16 0 18
Coopers	0 19 0 20
A1 clear	0 09

HARDWARE.

Ammunition.

Cartridges.

B. B. Caps. Dom., 50 and 5 per cent.
Rim Fire Pistol, dis. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18 p.c. Amer.

SHAFTING HANGERS PULLEYS

We manufacture and carry in stock ready for prompt shipment, a full line of Shafting, Hangers and Pulleys

Especially suited for Creamery and Dairy Work.

Up-to-date goods. Correct prices.
Prompt shipments. 270-page catalogue free.

DODGE MANUFACTURING CO. OF TORONTO, LIMITED

Works: Toronto Junction. **Office: 74 York St., TORONTO, ONT.**

Central Fire Cartridges, pistol sizes, Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.
Brass Shot Shells, 55 and 10 per cent.
Primers, Dom., 80 per cent.

Wads.

	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 33⅓ per cent.

Anvils.

Per lb	0 10	0 12½
Anvil and Vice combined each	....	4 50
Wilkinson & Co.'s Anvils..lb.	0 09	0 09½
Wilkinson & Co.'s Vices..lb.	0 09¾	0 10

Augers.

Gilmour's, discount 50 and 10 p.c. off revised list.
Hollow, Stearn's, per dozen.. 13 00 20 00
Adjustable, Stearn's, each.. 4 50 6 50
Post-hole, Vaughan's, each.. 60 90

AXES.

Splitting Axes	5 25	5 50
Chopping Axes—		
Single List, per doz	8 00	12 00
Double List, "	11 00	18 00

Bench Axes, 40 and 15 p.c.
Broad Axes, 33⅓ per cent.

Bath Tubs.

Zinc	3 90	4 00

Copper, discount 40 and 10 p.c. off revised list
Steel clad, 20 per cent. discount off revised list. Boxing extra.

Anti-Friction Metal.

"Tandem" A	per lb.	0 23
" B	"	0 19
" C	"	0 11½
"Monarch" 1	"	0 21
" 2	"	0 15
" 3	"	0 10
"Canadian"	"	0 08½
Magnolia Anti-Friction Metal, per lb.		0 25
No Name Metal	"	0 15
Mystic Metal	"	0 10

F. O. B. New York or Chicago.

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent.

Door.

Gongs, Sargant's 5 50 8 00
" Peterboro', discount 50 per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Farm.

American, each ... 1 25 3 00

House.

American, per lb 0 35 0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00

Blacksmiths', discount 60 per cent.

Belting.

Extra, 50 per cent.
Standard, 50 and 10 to 50, 10 and 5 per cent.
Agricultural, 60 and 10 p.c.

Bits.

Auger.

Gilmour's, discount 50 and 10 per cent.
Rockford, Common, 70 to 70 and 10 per cent.
" Perfection, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent.

Gimlet.

Clark's, per doz	0 65	0 90
Diamond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind Rollers.

Annex, per doz	1 25	1 75
Mascott, "	1 35	1 85
Erminie, "	1 00	0 00

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Norway Bolts, full square	67½
Common Carriage Bolts, 5-16 & under	57½
" " " ⅜ and larger	57½
" " " full square	67½
Machine Bolts, all sizes	57½
Coach Screws	72½
Sleigh Shoe Bolts	72½
Blank Bolts	57½
Bo't Ends	62½
Nuts, square	4c
Nuts, hexagon	4½c.
Tapping Nuts	60
Tire Bolts	65 and 10
Stove Bolts	65 and 10

Boot Calks.

Small and medium, per M	4 50
Small heel, per M	4 25

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent.

Henis, No. 8, "	....	6 00
Henis, No. 9, "	....	7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Plain building, per roll	0 28
Tarred lining, per roll	0 35
Tarred roofing, per 100 lb	1 40
Coal Tar, per barrel	3 75
Pitch, per 100-lb	0 60
Carpet felt, per 100 lb	2 25

Bull Rings.

Copper, $1.50 for 2½ in. and $2 for 2 in,

Butts.

Brass.

Wrought Brass, dis., 10 p.c. revised list.

Cast Iron.

Loose Pin, dis., 60 to 60 and 10 per cent.

Wrought Steel.

Fast Joint, dis. 70 and 10 per cent.
Loose Pin, dis 70 and 10 per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.
Gen. Bronzed, per pair 0 40 0 65

Cards.

Horse, per doz	0 60	1 00

Carpet Sweepers.

Bissell, per doz	....	22 50
World, "	....	21 75
Daisy, "	....	24 00
Star, "	....	18 00
Crown Jewel, per doz	....	29 00
Grand Rapids, "	24 00	33 00

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	2 65	2 90
English "	....	3 00
Belgian "	....	2 70
Canadian hydraulic	1 00	1 10

Figures are for barrel lots.

Chalk.

Carpenters, Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.
Broad's, dis. 70 and 5 per cent.
Warnock's, dis. 40 and 10 per cent.

Churns.

Revolving Churns, metal frames—No. 0, $3—No. 1, $3.2—No. 2, $3.40—No. 3, $3.75—No. 4, $4.50—No. 5, $5.90 each. Ditto, wood frames—15c. each less than above. Terms 4 months or 3 p.c. off 30 days, f.o.b.

Clips.

Axle dis. 65 per cent.

Closets.

Washout, plain	3 75	
" embossed	4 00	
Connections	1 10	

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 20 per cent. from factory.

Dies.

Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. per cent.

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Broad's, dis 75 per cent.
Warnock's, dis. 50 and 10 per cent.

Drills.

Hand and Breast.

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis. 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.

Stovepipe.

Per doz	0 85	1 70

FILES.

Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Jowitt's, English list, 25 to 27½ per cent
Mechanics' Star & File Mfg. Co. Discount 60 and 10 to 70 per cent.

FORKS.

Hay, manure, etc, dis., 60 and 10 to 60 and 5 p. c. revised list.

FREEZERS

Ice Cream,

White Mountain, 1 to 25 qt	1 35	13 50
Arctic, dis. 50 p.c.		

FRY PANS.

Acme, dis. 65 to 67½ per cent.

FRUIT PRESSES.

Henis', per doz	3 25	3 50

Shepard's Queen City, dis. 15 per cent.

GAUGES.

Marking, Mortise, Etc.

Stanley's, dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

GLASS.

Window.

Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	Double Diamond Per 50 ft.	Double Diamond Per 100 ft.
Under 26	2 00	3 75	3 20	6 00
26 to 40	2 15	4 05	3 40	6 65
41 to 50	....	4 50	....	7 00
51 to 60	....	4 75	....	8 25
61 to 70	....	5 10	....	9 00
71 to 80	....	5 50	....	10 00
81 to 85	....	6 10	....	11 50
86 to 90	....	7 25	....	13 50
91 to 95	....	....	....	15 00
96 to 100	....	....	....	18 00
101 to 105	....	....	....	20 50
106 to 110	....	....	....	23 50

HALTERS.

Rope, ¾ per gross	8 25	8 55
" ½ "	9 25	6 50
" ⅝ "	11 00	11 20
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis 5 to 10 per cent. Can. dis. 25 to 27½ per cent.

Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz., net	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pair	0 40	2 50

Fork

C. & B., dis. 45 per cent. rev. list.

Hoe.

C. & B., dis. 45 per cent. rev. list.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 45 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾	0 20

HANGERS.

Door, 4 and 5 inch. per pair	0 40	0 50

Lane's, 62½ per cent.

HARVEST TOOLS.

Discount, 60, 10, and 5 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent.

HINGES.

Blind, Parker's, dis. 60 and 10 to 65 per cent
Shepard's Noiseless, dis. 60 per cent.
" " Buffalo, dis. 60 to 70 p. c.

Heavy T and strap, 4-in., per lb		0 05
" " 5-in., "	....	0 04¾
" " 6-in., "	...	0 04½
" " 8-in., "	....	0 04¼
" " 10-in., "	....	0 04

Screw hook and hinge—

3 to 12 in., per 100 lbs	....	3 75
14 in. up, per 100 lbs	...	3 00

	Per gro. pair
Spring	8 50

HOES.

Garden, Mortar, etc., dis 60, 10 and 5 p.c.

Planter, per doz	4 00	4 50

HOOKS.

Cast Iron.

Bird Cage, per doz	0 50	1 10
Clothes Line, per doz	0 27	0 63
Harness, per doz	0 72	0 88
Hat and Coat, per gross	1 00	3 00
Chandelier, per doz	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.

Hat and Coat, discount 60 per cent.
Belt, per 1,000 ..... 0 60 0 70
Screw, bright, dis. 65 and 10 per cent.

HORSE NAILS.

"C" brand 50 p.c. dis. } Oval head.
"M" brand 50 p.c. }

Acadian, 50 and 20 p.c., countersunk head.

HORSESHOES.

Iron Shoes.	F.O.B. Toronto. No. 2 and larger.	No. 1. and smaller.
Light, medium, and heavy	3 50	3 75
Snow shoes	3 75	4 00
Steel Shoes.		
Light	3 75	4 00
Featherweight (all sizes)	5 00	5 00

ICE PICKS.

Star, per doz	3 00	3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb 0 30 0 35
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 50 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz		0 90
Bronze, Berlin, per doz	2 75	3 25
Bronze Genuine, per doz	6 00	9 00
Shutter, porcelain, F. & L. screw, per gross	1 30	4 00

KNIVES.

Clauss, bread, cake, and paring knives, $7 00 doz. sets net. to 10 per cent.
Christie, bread, cake and paring knives, $7 00 doz. sets, with 10 p.c. off.
Hay knives, spear point, L. or T handle, 60 10 and 5 per cent.

Lightning, per doz	6 50	8 40
Health's, $7.75 net.		

LANTERNS.

Cold Blast, per doz	7 00
No. 3 "Wright's"	8 00

LEMON SQUEEZERS.

	per doz.	
Porcelain lined	2 20	5 60
Galvanized	1 87	3 85
King, wood	2 75	2 90
King, glass	4 00	4 50
All glass	1 20	1 30

LINES.

Fish, per gross	1 05	2 50
Chalk "	1 90	7 40

LOCKS.

Canadian, dis. 50 p.c.

Russell & Erwin, per doz	2 00	2 20

Cabinet.

Eagle, dis. 30 p.c.

Padlock.

English and Am., per doz	50	6 00
Scandinavian "	1 00	2 40

Eagle, dis. 15 to 17½ p.c.

MACHINE SCREWS.

Iron and Brass.

Flat head, discount 25 p.c.
Round Head, discount 20 p.c.

MALLETS.

Tinsmiths', per doz	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz	3 85	5 00
Caulking, each	60	2 00

MATTOCKS.

Canadian, per doz	8 50	10 00

American, 60 and 10 p.c. off list.

MEAT CUTTERS.

American, dis. 30 to 32½ p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 and 10 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2d. and 3d	$2 15	$3 65
3d	2 80	3 30
4 and 5d	2 75	3 05
6 and 7d	2 55	2 95
8 and 9d	2 30	2 80
10 and 12d	2 25	2 75
16 and 20d	2 20	2 70
30, 40, 50 and 60d. (base)	2 15	2 65

Steel Cut Nails 10c. extra.

NAIL PULLERS.

German and American	1 85	3 50

NAIL SETS.

Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.

Poultry, 50 and 5 per cent. for McMullen's.

OIL.

Canada refined (Toronto)	....	0 13½
Sarnia Water White	....	0 15
" Prime Water	....	0 14
American w. w.	....	0 16½
Pratt's Astral	....	0 18

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz	0 00	10 00
Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz	1 25	3 50
Brass, "	1 50	3 50
Malleable, dis. 25 per cent.		

PAILS.

	per doz.
Galvanized, straight pattern No. 12	2 00
Galvanized, straight pattern No. 14	2 25
Galvanized, straight pattern No. 16	2 55
Flaring pattern, No. 11	2 25
" " No. 12	2 50
" " No. 13	2 85
" " No. 14	3 30

PICKS.

Per doz	6 00	9 00

PICTURE NAILS.

Porcelain head, per gross	1 40	3 00
Brass head, "	0 40	1 00

PLANES.

Wood, bench, Canadian dis. 55 per cent. American dis. 55.
Wood, fancy Canadian or American, 37½ to 40 per cent.
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.
Miscellaneous, dis. 25 to 27½ per cent.
Bailey's Victor, 25 per cent.

PLANE IRONS.

English, per doz	2 00	5 00

PLIERS AND NIPPERS.

Button's Genuine, per doz pairs, dis. 37½ 40 p.c.

Button's Imitation, per doz	5 00	9 00
German, per doz	0 60	2 60

PULLEYS.

Hothouse, per doz	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS

Canadian cistern	1 40	2 25
Canadian pitcher spout	1 15	2 00

PUNCHES.

Saddlers', per doz	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set	0 00	0 72
" hollow, per inch	0 00	1 00

RAKES.

Cast steel and malleable Canadian, list dis. 60, 10 and 5 p.c. revised list.
Wood, 25 per cent.

RASPS AND HORSE RASPS.

New Nicholson horse rasp, discount 60 p.c.
Globe File Co.'s rasps, 60 and 10 to 70 p.c.
Heller's Horse rasps, 50 to 50 and 5 p.c.

RAZORS.

	per doz.	
Geo. Butler & Co.'s	8 00	18 00
Boker's	7 50	11 00
Wade & Butcher's	3 60	10 00
Theile & Quack's	7 00	12 00

RIVETS AND BURRS.

Carriage, Section, Wagon Box Rivets, etc. (Steel), 60 p.c.
Carriage, Section, Wagon Box Rivets, et (Norway Iron), 55 p.c.
Black M. Rivets (Steel), 50 p.c.
Black and Tinned Rivets, 60 p.c.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets & Burrs, 35 p.c. dis., and cartons, 1c. per lb. extra, net.
Extras on Tinned or Coppered Rivets in ½-lb. cartons, 1c. per lb.
Burrs, iron or steel, 45 per cent.
Terms, 4 mos. or 3 per cent. cash 30 days.

RIVET SETS.

Canadian, dis. 35 to 37½ per cent.

ROPE, ETC.

	Sisal.	Manila.
7-16 in. and larger, per lb.	10½	12
⅜ in	11	12½
¼ and 5-16 in.	11½	13
Cotton		13
Russia Deep Sea		14½
Jute	6¾	7½
Lath Yarn		8¾
New Zealand Rope		9½

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

Mrs. Potts, per set	0 67½
" N. P., per set	0 80

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 2½ per cent.
Emery, 40 per cent.

SASH CORD.

Per lb	0 20	0 50

SASH WEIGHTS.

Sectional, per 100 lbs	1 40	1 75
Solid, "		1 25

SAWS.

Hand, Disston's, dis. 12½ to 15 p.c.
S. & D., 40 per cent.

Crosscut, Disston's, per ft	0 35	0 55

S. & D., dis. 35 p.c. on Nos. 2 and 3.

Hack, complete, each	0 75	2 75
" frame only	....	0 75

SAW SETS.

"Lincoln," per doz	5 50	6 00

SCALES

Gurney Scales, 50 p.c.
B. S. & M. Scales, 50 p.c.
Champion 60 per cent.
Fairbanks Standard, 45 p.c.
" Dominion, 60 p.c.
" Richelieu, 60 p.c.
Chatillon Spring Balances, 25 p.c.

SCREENS.

Door, patent per doz	6 00	12 00
Window, per doz	2 00	3 00

SCREW DRIVERS.

Sargent's, per doz	0 65	1 00

SCREWS

Wood, F. H., iron, and steel, 82½ and 5 p.c.
Wood R. H., " dis. 75 and 5 p.c.
" F. H., brass, dis. 75 and 5 p.c.
Wood, R. H., " dis. 67½ and 5 p.c.
" F.H., bronze, dis. 67½ and 5 p.c.
" R.H. " 62½ and 5 p.c.
Drive Screws, 82½ and 5 per cent.

Bench, wood, per doz	3 25	4 00
" iron, "	4 25	5 75

SCYTHES.

Discount, per doz. net	4 50	6 00

SCYTHE SNATHS.

Canadian, dis. 50 p.c.

SHEARS

Seymour's, dis. 50 and 10 p.c.
Heinisch, dis. 50 and 10 p.c.
Clauss, full nickel, 50 and 10 p.c.
" japanned handles, 67½ p.c. off.
Seymour or Heinisch tailor shears, 15 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SNAPS.

Harness, German, dis. 35 to 37½ p.c.		
Acme	3 00	5 00
Lock, Andrews'	4 50	11 50

SOLDERING IRONS.

1, 1½ lb., per lb	0 37
2 lb. or over, per lb	0 34

WROUGHT SPIKES.

Discount, 35 to 40 per cent.

SQUARES.

Iron, per doz	1 65	2 90

Steel, dis. 70 per cent., revised list.
Try and bevel, dis. 50 to 52½ p.c.

STAPLES.

Galvanized	3 25	
Bright	3 00	

STOCKS AND DIES.

American dis. 25 p.c.

STONE.

	Per lb,	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador	....	0 13
" Axe	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, per ton	15 00	18 00

Stove Polish.



No. 4—3 dozen in case, net cash $4 50
No. 6—3 dozen in case, " 7 50

STEP LADDERS.

Best grade, from 3 to 10-ft. long, per foot, 16c.
2nd grade, 3 to 10-ft., per foot, 10c.

TACKS BRADS, ETC.

	Per cent.
Strawberry box tacks, bulk	75 and 10
Cheese-box tacks, blued	85 and 10
Trunk tacks, black and tinned	85 and 10
Carpet tacks, blued and tinned	80 and 10
" " (in kegs)	45
Cut tacks, blued, in dozens only	75 and 12½
" ¼ weights	60
Swedes, cut tacks, blued and tinned—	
In bulk	80 and 20
In dozens	75
Swedes, upholsterers', bu'k	85 and 10
" brush, blued and tinned, bulk	50
" gimp, blued, tinned & japanned	75
Zinc tacks	30
Leather carpet tacks	60
Copper tacks	50
Copper nails	52½
Trunk nails, black and tinned	70 and 12½
Clout nails, blued and tinned	70 and 10
Chair nails	40
Cigar box nails	40
Patent brads	45
Fine finishing	45
Picture frame points	25
Lining tacks, in papers	10
" " in bulk	15
" " solid heads, in bulk	80
Saddle nails in papers	10
" " in bulk	15
Tufting buttons, 22 line, in dozens only	60
Tin capped trunk nails	15
Zinc glazier's points	5
Double pointed tacks	85 and 10

TAPE LINES.

English, ass skin, per doz	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TINWARE.

Stamped, dis., Assn. list, 80 per cent.
Japanned, prices on application.
Pieced, prices on application.

TRANSOM LIFTERS.

Payson's per doz	2 60

TRAPS. (Steel.)

Game, Newhouse, dis. 40 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's, discount 10 per cent.		
German, per doz	4 75	6 00
Brade's "	5 00	10 50

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb	....	0 21
Wrapping, mottled, per pack.	0 50	0 60
Wrapping, cotton, per lb	0 17	0 18
Mattress, per lb	0 33	0 45
Staging, "	0 27	0 35
Broom, "	0 30	0 55

VISES.

Hand, per doz	4 00	6 00
Bench, parallel, each	2 00	4 50
Coach, each	6 00	7 00
Peter Wright's, per lb	0 12	0 13
Pipe, each	5 50	9 00
Saw, per doz	6 50	13 00

WIRE.

Brass wire, 50 to 50 and 2½ per cent. off the list
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Smooth Steel Wire, base, $2.60 f.o.b. factory points List of extras: Nos. 2 to 5, advance 7c. per 100 lb.—Nos. 6 to 9, base—No. 10, advance 7c.—No. 11, 14c.—No. 12, 20c—No. 13, 35c.—No. 14 47c.—No. 15, 60c.—No. 16, 75c. Extras net per 100 lb.: Coppered wire, 60c.—tinned wire, $2—oiling, 10c.—special hay-bailing wire, 30c.—spring wire, $1—best steel wire, 75c.—bright soft drawn, 15c.—in 50 and 100-lb. bundles net. 10c.—in 25-lb. bundles net, 15c.—packed in casks or cases, 15c.—bagging or papering, 10c.
Fine Steel Wire, discount 25 per cent. factory. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19. $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, $7.65—No. 24, $8—No. 25, $9—No. 26, $9.50—No. 27, $10—No. 28. $11—No 29, $12—No. 30, $13—No. 31, $14—No 32, $15 No. 33, $16—No. 34. $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31, $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles. 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering. 10c.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.40—No. 9, $2.90—No 10, $3.50—No. 11, $3.55—No. 12, $3 05—No. 13, $3.15—No. 14, $3 2 —No. 15, $4.50—No. 16. $4.65.

Broom Wire, per lb	0 05	0 05½
Clothes Line Wire, 19 gauge, per 1,000 feet	2 75	3 00

WIRE FENCING.

	F.O.B Toronto
Galvanized, 4 barb, 2¼ and 5 inches apart	3 25
Galvanized, 2 barb, 4 and 6 inches apart	3 25
Galvanized, plain twist	3 25

Terms, 2 per cent. in 10 days.

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net	1 75

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 70 to 70 and 10 p.c.
Standard, dis. 60, 60 and 10 per cent.
Coe's Genuine, dis. 30 to 32½ p.c.
Diamond, dis. 33⅓ to 35 per cent.

Towers' Engineer, each	2 00	7 00
" S., per doz	5 80	6 00
G. & K.'s Pipe, per doz	....	3 40
Burrell's Pipe, each	....	3 00
Pocket, per doz	0 25	2 90

WRINGERS.

Leader ..... per doz.	$60 00
Royal Canadian ..... "	58 00
Royal American ..... "	48 00

Discount, 45 per cent.: terms 4 months, or 3 p.c. 30 days. Prices are f.o.b. London, Hamilton, Toronto, Brockville or Montreal.



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With a firm and ample base."
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PERFECTION AUTOMATIC REVOLVER.



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Made with shorter barrel for bicycle use.

The most perfect small pistol made.

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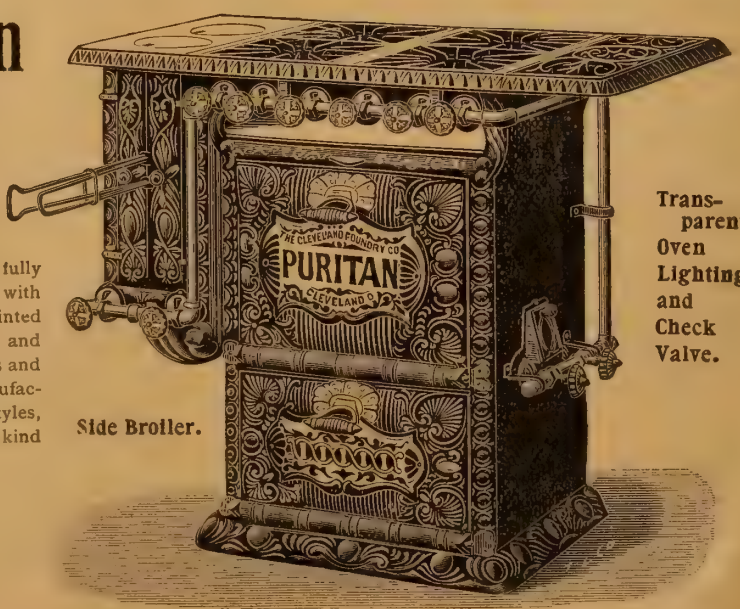
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Manufacturers of the

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Trans-parent Oven Lighting and Check Valve.

This range is beautifully designed and fitted with the latest needle-pointed stop valves. With and without water heaters and side broilers. Manufactured in 20 different styles, and suitable for any kind of gas.

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G. & H. Barnett Company

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HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XI. MONTREAL AND TORONTO, JULY 8, 1899. NO. 27



Magnolia Metal

Best Anti-Friction Metal for all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up in bars, of which this is a

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CANADIAN OFFICE—524 Board of Trade Building, Montreal.

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266 and 267 West St., New York

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CANADA

Pays the consumer, because it always does his work and is as uniform as Iron can be.

Pays the dealer, because there is always a market for it, at a fair price.

Pays the maker, because he does an enormous trade and has no claims for defective Iron.

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BRISTOL, ENG. MONTREAL.

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It pays to figure *close* for your customer, provided it is the Safford Patent Radiator that you are going to install for him. Figure close—don't be afraid of the profits. The Safford pays a good profit, and, better yet, ***it absolutely cannot leak.*** No bolts, no packing, ***screw threaded nipple connections at every point.***

The Safford stands a pressure of 140 pounds to the square inch, yet it is light, durable, handsome, and fits curves, circles, angles. You can "figure close" on the Safford because you can be absolutely sure that it will give ***perfect satisfaction.*** It will advertise your business and your reputation too.

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RICE LEWIS & SON

(LIMITED)

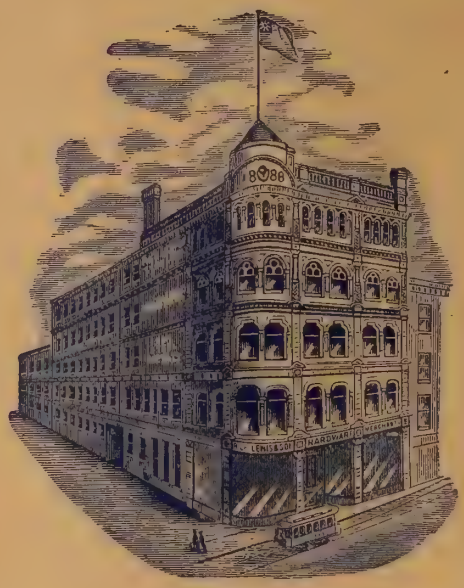
ARTHUR B. LEE, President. *A. BURDETT LEE, V. P. and Treas.*

Importers of . . .

Bar Iron
Steel
Boiler Plate

Shelf and Heavy

Hardware



MANTELS
GRATES
TILES

Cutlery . .

FINE BUILDERS' HARDWARE.

Cor. King and Victoria Streets ...TORONTO

SAVAGE REPEATING RIFLE

.303 CAL.



Hammerless
Smokeless
Six-Shooter

New 1899 Model

AGENTS:
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Toronto, RICE LEWIS & SON
Quebec, CAVERHILL, LEARMONT & CO.

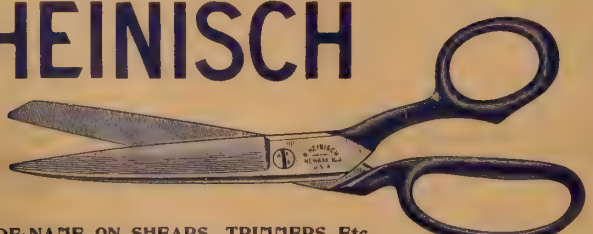
LATEST and **FINEST** Rifle manufactured.

Write for complete Catalogue W.

SAVAGE ARMS CO., Utica, N.Y., U.S.A.

Established 1825 Important Decision relating to the Established 1825

HEINISCH



TRADE-NAME ON SHEARS, TRIMMERS, Etc.

The U.S. Circuit Court, Southern District of New York, Judge Townsend, has rendered a decision in the suit of "R. Heinisch's Sons Co. vs. Hermann Boker & Co."

"The Complainant is entitled to an accounting, and to an injunction restraining them from using the names 'Heinisch' or 'H. C. Heinisch' on its Shears, Labels, etc., and otherwise, in any way which will interfere with Complainant's enjoyment of the benefits of its Trade-name."

Referring to the above decision, we would respectfully state our determination to protect our rights in the premises and warn all persons against any imitation of our Trade-name.

R. HEINISCH'S SONS CO.,

N.Y. OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

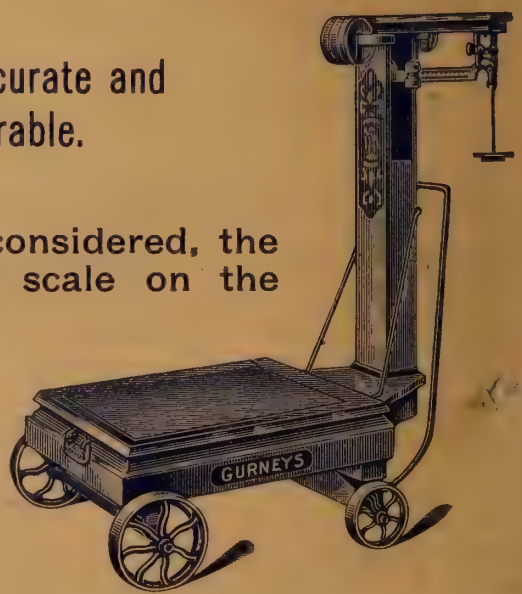
Not connected with any Shear Combination.

CANADA'S BEST SCALES

GURNEY

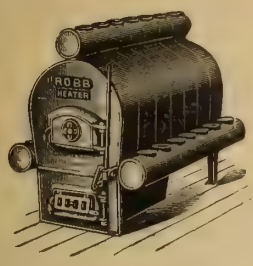
Accurate and Durable.

Quality considered, the cheapest scale on the market.



THE GURNEY SCALE CO.

Hamilton, Ontario, Canada.



ROBB
Hot Water
HEATER

FOR HARD OR SOFT COAL.

No Cleaning is required as all heating surfaces are exposed to the flame and soot cannot collect.

Heats Quickly because the water circulation is vertical, and therefore rapid. In most other types the circulation is horizontal and slow.

Saves Fuel because the heating surfaces are always clean and the water circulation is rapid, thus utilizing all the heat possible.

ROBB ENGINEERING CO., Limited
AMHERST, N. S.

Thresher Belts

CANADIAN RUBBER CO. EXTRA BRAND MONTREAL & TORONTO

with these brands are a guarantee in themselves of excellence . . .

Manufactured by

The Canadian Rubber Co.
Of Montreal

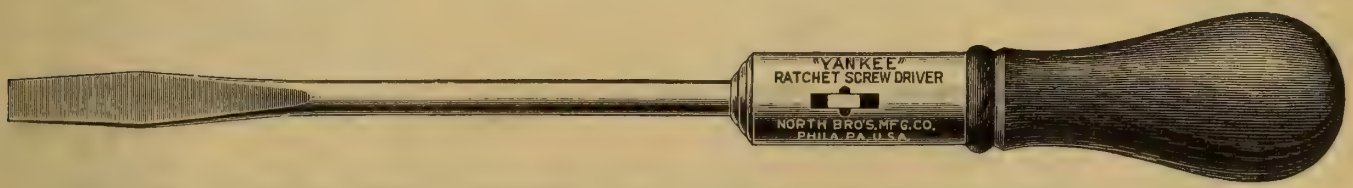
Factories and Head Office,
Capital, $1,500,000.00 MONTREAL

CANADIAN RUBBER CO. EXTRA HEAVY BRAND MONTREAL & TORONTO

Ontario Branch, Toronto
Western Branch, Winnipeg

Write for . . .
Samples, Lists, and Discounts.

"YANKEE" TOOLS
are sold by Leading Jobbers throughout the Dominion.



No. 10 RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.



No. 30 SPIRAL-RATCHET SCREW DRIVER.



No.40 AUTOMATIC DRILL.

FREE A handsome lithographed and embossed Sign in colors, on tin, to dealers handling these tools. Separate sign for each tool. Write at once which sign is wanted and it will be mailed post paid.

SEND FOR "YANKEE" TOOL BOOK.

North Bros. Mfg. Co.
Philadelphia, Pa., U.S.A.

KNOX HENRY.

Heavy Hardware and Metal Broker

Room 220½ Board of Trade, MONTREAL.

SPECIALTIES—C Brand Horse Nails—Canada Horse Nail Co.

BOLTS—Tire and Stove Rivets of all kinds—Chalcraft Screw Co.

BRASS GOODS—Gunn Castor Co., Limited, Birmingham, Eng.

Hardwood CHARCOAL in Bulk or Sacks.

WOOD ALCOHOL equalling Methylated Spirits as a solvent.

Manufactured only by ...

THE STANDARD CHEMICAL CO., Limited

Factories { Fenelon Falls. Deseronto.

Gooderham Building, TORONTO

Deseronto Iron Co.

LIMITED

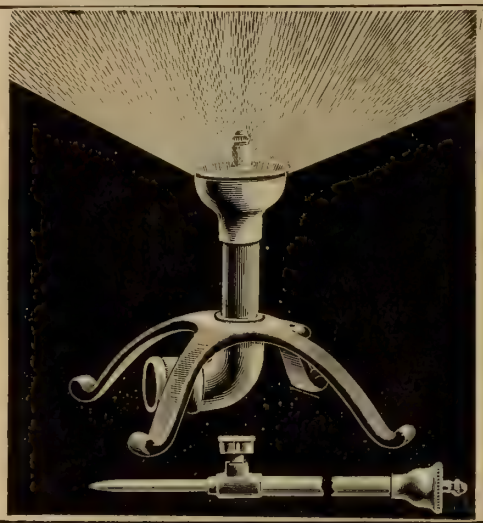
DESERONTO, ONT.

Manufacturers of

Charcoal Pig Iron

BRAND "DESERONTO."

Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.



The Champion Lawn Sprinkler

The best sprinkler yet invented. Easy to work. Cannot be put out of order.

LEADING FEATURES:

Fineness of spray—like a rain shower. Throws four times as much water as any other sprinkler. Throws 20 to 30 feet and 8 feet high under full pressure.

Manufactured by

CHAMPION MFG. CO.

313 St. Paul St. Montreal. 36 Erie Ave. Hamilton.

DAVID MAXWELL & SONS

ST. MARYS, ONT., CANADA



Steel Frame.

"MAXWELL FAVORITE CHURN"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive.

LAWN MOWERS.

High and Low Wheels, from 12-in to 20-in. widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate.

WHEELBARROWS.

In Four different sizes.

If your Wholesale House does not offer you these articles

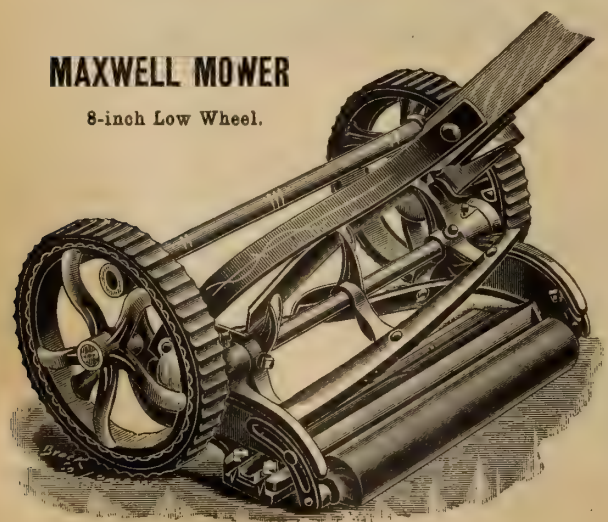
SEND DIRECT TO US.



Wood Frame.

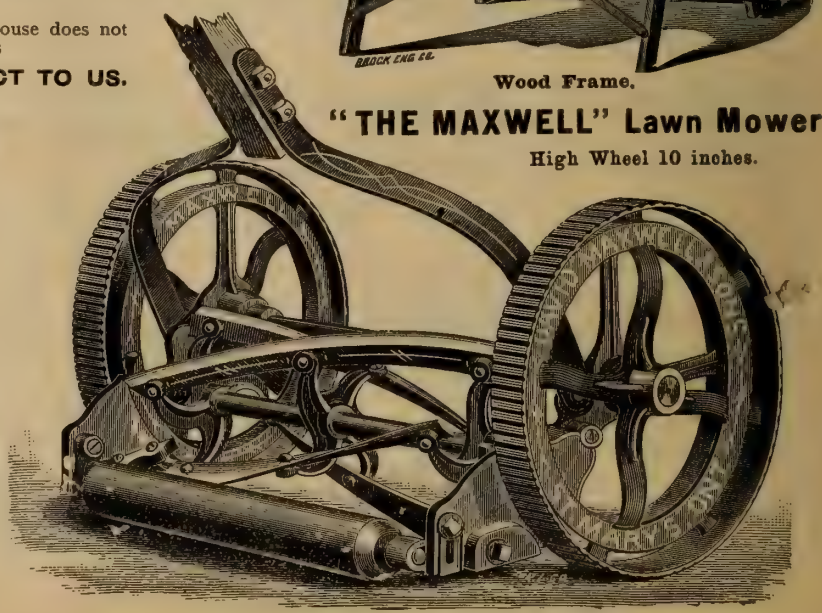
MAXWELL MOWER

8-inch Low Wheel.

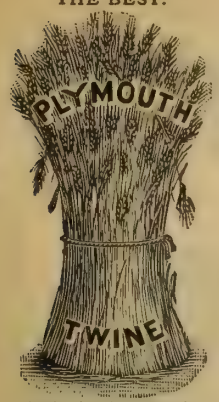


"THE MAXWELL" Lawn Mower

High Wheel 10 inches.



IT PAYS TO BUY THE BEST.



This Trade Mark is on every Tag.

"PLYMOUTH" TWINE

has built up a big business by winning and retaining public confidence.

Plymouth is cheapest because it is best and goes furthest.

DISTRIBUTERS, PLYMOUTH BINDER TWINE AGENCY, 54 Bay Street, TORONTO.



ELEGANT SEAMLESS STOVEBOARDS

"Elegant" in name.
"Elegant" in design.
"Elegant" in finish.

Our design for Stoveboards for 1899 is just out, and is without doubt the highest class of work we have ever turned out. In view of our past work in this line, this is saying a good deal.

Following the latest "fad" the design is a unique imitation of tile work; while the blending of the colors are so pleasing that these boards will sell at sight.

Retaining their favorite features, seamless and no corner clips, they will be made lithographed and crystallized: Quality highest, price low as the lowest. See samples before placing orders.

Absolutely Seamless. **No Corner Clips**

The Thos. Davidson Mfg. Co., Limited, Montreal

HEADQUARTERS FOR BOILERS

Galvanized Range Boilers
Copper Boilers, Radiators
Iron Pipe, Fittings

WRITE FOR PRICES.

ONTARIO LEAD AND WIRE CO.

Telephones 1092, 763.

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Warehouse—55, 57, 59 Richmond St. E.
Office—54, 56 Lombard St.

TORONTO.

THE SUCCESS

Of our new

IMPERIAL OXFORD RANGE

ever since we put it on the market, has been enormous

Its splendid construction and new patented features give it precedence over all others.

ITS FRONT DRAW-OUT GRATE
DIFFUSIVE FLUE CONSTRUCTION
DRAW-OUT OVEN RACK

And other improvements need only to be seen to be appreciated by your customers.

If you haven't them in stock, better write for full information and price list.



The Gurney Foundry Co., Limited, Toronto

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Winnipeg Agents: 155 and 157 Lombard St. Vancouver Agent: C. A. Godson, 151 Hastings St.

Steel Hoops

LARGE STOCKS, IN ALL STANDARD SIZES AND GUAGES.

Prices quoted on application, either from stock or for importation.

M. & L. Samuel, Benjamin & Co.

English House:
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64 Fenchurch Street, London, E.C.

26 to 30 Front St. West TORONTO.

THE SAFFORD RADIATOR LATEST

OUR NEW CATALOGUE

Is the most comprehensive and up-to-date Radiator book of the season

Contains

Several specially unique applications of the Radiator
Many new Styles of Radiation

Shows how to pipe the latest systems for Steam and Water Heating as applied to large buildings.

Has more information on the subject of heating than in all the best works combined. Send for copy.

THE DOMINION RADIATOR COMPANY, LIMITED
TORONTO, ONT.

BINDER TWINE.

There is none "just as good."

Pure Manila 650-ft. to the lb.
Blue Ribbon
Special Manila
Tiger
Standard

These Twines will not bunch at the knotter, and a Binder will run all day with them without stoppage, thus saving time, annoyance and an endless lot of trouble.

We pack our twine in bags of the size of ordinary grain bags and are not ashamed to put our name upon them. Don't take any other.

Consumers Cordage Company, LIMITED, Montreal.

Enameline

The Modern STOVE POLISH



PASTE.



LIQUID.



CAKE.

We present herewith cuts showing the three different forms of package in which Enameline is put on the market. The enormous amount of advertising being done to familiarize housekeepers with the name enables merchants to make quick sales. Don't load up with unknown brands—that's dead stock.

J. L. PRESCOTT & CO., New York.

THE ONTARIO SEWER PIPE CO.

LIMITED

Office Tel. 744.
Factory Tel. 5422.

60½ Adelaide Street East

Factory at Mimico.

Manufacturers of

TORONTO

Salt Glazed Vitrified Sewer and Culvert Pipes.

We Make a Specialty of

4-in. and 6-in. Pipes and Fittings,

and always have a large stock on hand.

The ONTARIO SEWER PIPE CO., Limited

60½ Adelaide St. East, TORONTO.

Kemp's Seamless Kitchen Sinks



PAINTED GALVANIZED
ENAMELED

These sinks are pressed out of *single sheets of wrought steel.* They have no seams or joints and are rounded at sides and corners, consequently, no dirt can collect. They are less porous than cast iron and therefore odorless.

It is impossible to break them. Owing to their comparative lightness, freight charges are less than half the price of the cast iron article. . . .

Kemp Manufacturing Co., ...TORONTO, CANADA.

HARDWARE AND METAL

Vol. XI. MONTREAL AND TORONTO, JULY 8, 1899. No. 27

President, JOHN BAYNE MacLEAN, Montreal.
Treasurer, HUGH C. MacLEAN Toronto.

THE MacLEAN PUBLISHING CO.
Limited.

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

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Subscription Canada, $2.00 Great Britain, $3.00

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WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

COPPER AND TIN AGAIN ADVANCING

THE past fortnight has witnessed a very material appreciation in the price of those important metals copper and tin. During the latter part of May and the first half of June both lines exhibited a general downward movement from the high prices recorded during the winter and spring. Since June 21, however, there has been a steady advance from day to day in both metals, and, on June 30, copper in London was over £1 per ton higher than it was two weeks before, at £76 15s., while spot pig tin in London had advanced in the same interval almost £4 the ton, from £116 17s. 6d. to £120 15s. the ton.

In New York, the price of copper did not respond to the rise in London, but tin stiffened 30c. on Lamb and Flag to $27.25 and 95c. per 100 lb. on Straits to $26.65.

The highest and lowest prices on both metals since January 1, both in London and New York, show a pretty wide swing. In London, copper has ranged since the first of the year from £58 1s. 3d to £89 2s. 6d., and in New York from 13¼ to 19⅜c. At present prices, therefore, it still has good room for an advance before it recovers to top price of the year. Tin, since January 1, has swung from £88 5s. to £120 15s. in London, and from $19.70 to $26.55 in New York. In its case also, therefore, there is margin for still more recovery if prices are to touch the high figure of the year. Some close observers, however, consider it doubtful that they will do so, as the extreme prices were due in large part to excited speculation in both metals, which is certainly not in evidence at present.

Compared with the prices ruling at this time in 1898, Straits tin in London is costing over £50 per ton higher this year, and $11 per 100 lb. more in New York, while copper is almost £26 per ton higher in London, and over $6 per 100 lb. more in New York.

These remarkable differences in price are a forcible illustration of the relative standing of the metal markets this year and last. The outside situation has exerted little influence on spot values of either copper or tin in Montreal or Canada generally. This, however, is easily understood, inasmuch as the current prices of the metals have been held pretty high, Canadian jobbers not following the reaction outside to any great extent.

MERCHANTS' ATTITUDES TOWARDS COMPETITORS.

FAIR competition is the life of trade. There is no question about it. If there were no competition nine-tenths of those who are to-day successful merchants would soon die of dry rot.

Business men, as well as runners, only do their best when they have competitors pushing them.

In athletic events A does not scowl on B because he has essayed to become a competitor, for he knows that if there are not two or more competitors there will be no prize. He, however, runs, rows or swims his best in order that he may win the prize.

A business man should do his very best to win trade; but he should not scowl upon his creditors, treat them as if they had no right to an existence, and employ methods with a view to driving them out of existence.

Every man has a right to enter whatever vocation he believes himself to be best suited for; and no one has a right to say him nay.

The refusal to recognize this is the cause which produces such effects as cutting prices, false advertisements, indiscriminate giving of credit and other evils to which business is heir.

It is better to give your competitor a handshake than a kick.

REDUCTION IN LEAD PIPE.

A reduction in the price of lead pipe is announced, taking effect July 4.

The discount is now 20 per cent., against 17½ per cent., as before, an increase of 2½ per cent., and, of course, reducing the price by that amount.

The cause of the reduction in price is the competition of United States made pipe.

SANITARY PLUMBING AND THE NATIONAL ASSOCIATION.

IN the address of President Smith before the National Association of Master Plumbers, Gas, Steam and Hot-Water Fitters of Canada, at the Ottawa convention, is summed up the whole duty of those composing the trade of which the organization he presides over is the national representative.

While not overlooking the benefits that would accrue to the members of the plumbing and heating trades from a more perfect organization, yet, the central thought running through his address was perfect plumbing, and, consequently, perfect sanitation.

Mr. Smith intimates that there is a great deal of plumbing, which, as far as its sanitary conditions are concerned, exhibits criminal negligence. There is no question about that, and it is chiefly because there are men who call themselves plumbers who could not qualify even if they were examined in the rudiments of the trade. The only wonder is that more disease and death is not caused in the cities on account of bad sanitary plumbing.

More scientific and consequently more sanitary plumbing has been the burden of the national organization since its inception three years ago, and at each annual convention it has had a prominent place in the subjects up for discussion.

But the way is tortuous and beset with many obstacles. Consequently progress has been slow, and the ideal is still some distance off. At the same time, however, the plumbers are a great deal nearer it than they were before the National organization had its birth, while in the future they are likely to make relatively better progress than they have had in the past, for the association is emerging from the primary stage.

The pivot upon which the whole matter of sanitary plumbing rests is education.

A great many master plumbers realize the importance of sanitary plumbing, and recognize their own responsibility in the matter. This is particularly revealed in the councils of the National Association. But there are still some who do not, although such can hardly, even by courtesy, be termed plumbers. There is, then, education to be done here.

Then, there are the people, those to whom good or bad plumbing means a great deal, they need to be educated. And all the attention should not be devoted to educating the men and women of to-day, but efforts should be made to instill in the minds of the school children—the men and women of to-morrow—the principles and importance of sanitary plumbing.

When the people have been educated to the point where they realize that unsanitary plumbing is as dangerous as a cholera germ they will fear the one as much as they now do the other. Then, not only will they give their plumbing to qualified plumbers, but they will demand that proper sanitary laws be placed upon the statute book.

And such laws will only be efficient which, among other things, demand that those who do plumbing shall only be those who have passed a qualifying examination.

Mr. Smith said, in his address, that the doctor tries to kill the disease germ after it has been bred, but that the plumber abolishes the pest hole that breeds the germ. This is quite true, and emphasizes the necessity of plumbers as well as doctors being qualified for the work in which they are engaged. The accomplishment of this is the task to which the National Association of Master Plumbers has set itself.

VEXATIOUS CUSTOMS RULES.

The article in last week's issue of this paper in regard to the vexatious affidavits which exporters to Canada are compelled to make has attracted quite a little attention. In that article, it will be remembered, was an extract from an exporter in France in which strong exception was taken to the lengthy character of these regulations.

Since then HARDWARE AND METAL has been shown a letter from a Marseilles house, which, after acknowledging the receipt from their broker in Toronto of a copy of the Canadian Customs regulations regarding exporters' affidavits on invoices says: "We have taken note of what is required, and will in future write in extenso the whole humbug of form 'J,' but form 'F' must be given in French, as our Chambers of Commerce will not certify in foreign language."

It is to be hoped the Department is considering ways and means for simplifying and making less vexatious the invoice affidavits.

TORONTO'S BUILDING ACTIVITY.

A fair indication of the activity that is manifested in the building trades in Toronto is given in the returns of building permits during the first six months of the past four years. In 1896, permits to the value of $305,300 were issued. In 1897 they were $528,071; in 1898 the amount was $895,585, while for the first six months of this year, the value of those issued was $1,297,600, over four times that of three years ago. During the month of May alone $361,235 worth of permits were taken out, which is $56,000 more than for the whole six months of 1896.

The record for the six months is the greatest since 1892, the last of the boom years, but it is not yet nearly as large as 1891, when, in the months of April and May alone, permits to the value of $1,462,280 were issued.

With such conditions and prospects, it would be natural to look for good prices, but the contrary is the case. The bulk of contracts let, both this season and last, have been let at even closer figures than those ruling in the hard times years from 1894 to 1896.

BRITISH IRON FIRMER.

As a result of both speculative and legitimate demand iron values in Great Britain have recorded some striking changes during the past fortnight.

On June 21 Scotch pig iron warrants were 2s. 4d. below where they are at present, and Middesboro 4s. 3d.

At this writing the British iron market is firm at the rise, and now stands from 23s. to 28s. the ton above the prices ruling at the corresponding period in 1898.

The United States iron markets have not recorded any material variation in the same interval, for, with the exception of grey forge iron and billets, prices at Pittsburg stand precisely where they did a fortnight ago. The advance in the two exceptions mentioned has not been very extensive—billets are 25c. higher than they were, and grey forge $1.50.

ADVANCE IN EDGE TOOLS.

A NEW list has been issued by the Canadian manufacturers of edge tools. According to this list, there has been advance of 25 to 30 per cent. in such lines as carpenters', shingle, coach and wagonmakers' draw knives, chisels and sleeks.

The advance is the result of the increased cost of raw material.

DRAW KNIVES.

Cast Steel Carpenters' Draw Knives—Razor Blade.

	Per doz.		Per doz.
6 inch	$17 00	12 inch	$23 00
7 "	18 00	13 "	25 00
8 "	19 00	14 "	26 00
9 "	20 00	15 "	27 00
10 "	21 00	16 "	29 00
11 "	22 00		

Cast Steel Carpenters'—Plain Black.

	Per doz.		Per doz.
6 inch	$16 00	12 inch	$22 00
7 "	17 00	13 "	24 00
8 "	18 00	14 "	25 00
9 "	19 00	15 "	26 00
10 "	20 00	16 "	28 00
11 "	21 00		

SHINGLE KNIVES.

Extra Heavy Blades.

	Per doz.		Per doz.
10 inch	$23 00	14 inch	$30 00
11 "	25 00	16 "	35 00

COACHMAKERS' KNIVES.

Extra Quality Cast Steel.

	Per doz.		Per doz.
6 inch	$18 00	9 inch	$21 00
7 "	19 00	10 "	22 00
8 "	20 00	12 "	26 00

WAGONMAKERS' KNIVES.

Extra Quality Cast Steel.

	Per doz.		Per doz.
6 inch	$18 00	9 inch	$21 00
7 "	19 00	10 "	22 00
8 "	20 00	12 "	26 00

SOCKET FIRMER CHISELS.

Solid Cast Steel, 6-inch Blades.

	Per doz.		Per doz.
⅛ inch	$ 8 00	⅞ inch	$11 00
¼ "	8 00	1 "	12 00
⅜ "	8 00	1¼ "	13 00
½ "	9 00	1½ "	14 00
⅝ "	10 00	1¾ "	15 00
¾ "	11 00	2 "	16 00

	Per set.
Assorted in sets (8) omitting ⅛, ⅝, ⅞, 1¾	$ 8 25
" " (9) " ⅞, 1¾, 2	7 75
" " (10) " ⅞, 1¾	9 25
" " (12) assorted ⅛ to 2	11 25

Bevel Back all sizes, usual extras.

SOCKET PARING CHISELS.

Best Cast Steel, 8-inch Blades.

	Per doz.		Per doz.
⅛ inch	$ 5 00	⅞ inch	$ 9 00
¼ "	6 25	1 "	9 50
⅜ "	6 50	1¼ "	10 50
½ "	7 50	1½ "	11 50
⅝ "	8 00	1¾ "	12 00
¾ "	8 50	2 "	13 00

	Per set.
Assorted in sets (8) omitting ⅛, ⅝, ⅞, 1¾	$ 7 00
" " (9) " ⅛, ⅞, 1¾	8 25
" " (12), assorted ⅛ to 2	10 00

Bevel Back, all sizes, usual extras.

SOCKET FRAMING CHISELS.

Best Cast Steel, 9-Inch Blades—Diamond Back.

	Per doz.		Per doz.
⅛ inch	$12 00	⅞ inch	$15 00
¼ "	12 00	1 "	16 00
⅜ "	12 00	1¼ "	18 00
½ "	12 00	1½ "	20 00
⅝ "	13 00	1¾ "	22 00
¾ "	14 00	2 "	24 00

SOCKET CORNER CHISELS.

Best Cast Steel, 9-inch Blades.

	Per doz.		Per doz.
½ inch	$22 00	1 inch	$32 00
⅝ "	24 00	1⅛ "	34 00
¾ "	28 00	1¼ "	36 00
⅞ "	30 00	1½ "	40 00

CARPENTERS' SLEEKS.

	Per doz.
2½ in. Socket or T	$40 00
3 " "	44 00
3¼ " "	48 00
3½ " "	52 00
3¾ " "	56 00
4 " "	60 00

The retail trade will be furnished with the discounts on application to the wholesale trade.

ELECTRIC RAILWAY TRAFFIC IN CANADA.

Passengers to the number of 100,000,000 traveled last year on the electric railways in Canada, an increase of over 19 per cent. compared with the previous year, when the number was 83,811,306.

This is a most satisfactory showing, but the present year will be still more favorable, for there is a steady expansion of electric railway systems in Canada.

We have not the figures for 1898, but those for 1897 show that the steam railways in Canada carried in that year 16,171,338 passengers. It is interesting to note this by way of comparison.

COAL IS DEARER.

The price of anthracite coal for July shipment has been advanced 25c. per gross ton f.o.b. cars at Buffalo and bridges, the price of egg, nut and stove sizes now being $4.50 and of grate size $4.25.

The demand from all sections is very brisk, so active, in fact, that wholesale dealers are now nearly a week behind in their orders.

ADVANCE IN RIVETS AND BURRS.

Still another advance is announced in the price of iron rivets and burrs, the discount having, under date of July 6, been reduced to 45 per cent. on iron rivets, and to 40 per cent. on iron burrs.

TIRE AND STOVE BOLTS ADVANCE.

The discount on tire and stove bolts has been reduced, the figures now being 60 and 10 per cent., instead of 65 and 10 per cent., as a week ago.

The bolt market generally is firm, and in the United States last week there was a further advance in carriage and machine bolts and in log screws.

STRONG TURPENTINE MARKET.

The turpentine market has been more than usually interesting during the past week.

At the latter part of last week the price in Toronto was reduced 2c. per gal., the lower figures to go into effect on Monday. This left the figures at 58c. per gal. in the city and at 59c. Western Ontario points. This week, however, the market in the South has been excited, and advancing something like ½c. per gal. daily.

As a result of this prices were marked up the 2c. per gallon they had lost a few days before, and 1 to 4-barrel lots are again quoted at 60c, f.o.b. Toronto, and 61c. f.o.b. Western Ontario.

Stocks in importers' and retailers' hands are light, buyers having held off in anticipation of the usual summer decline in prices.

SOUTHERN EXPORTS OF PIG IRON.

The statement of shipments of iron from Alabama and Tennessee in the first five months of 1899 show a total of 605,919 tons, an increase of 85,821 tons over the corresponding five months in 1898. From the Birmingham district alone the shipments were 359,089 tons, an increase of 36,101 tons over 1898. The shipments of cast iron pipe for the first five months of 1899 were 67,882 tons, an increase over the first five months of 1898 of 14,093 tons. The exports of Southern pig iron in the period named were 83,989 tons, an increase of 28,704 tons over 1898. The export shipments of pipe in the same period were 7,785 tons.

In an interview with a representative of The Commercial at New York, J. A. Green, of Matthew Addy & Co., made the statement that foreign countries are actually begging for supplies of American iron. He said that letters from abroad, relative to orders for iron, were so numerous that his firm had adopted a stereotyped reply: "Iron exports will undoubtedly show a falling off from last year. But this fact reflects the increased prosperity of the industry rather than indicating that American iron manufacturers are losing their prestige abroad. The truth of the matter is that the domestic consumption of iron has reached such enormous proportions that exporting in record-breaking quantities is out of the question. Of course, this enormous domestic consumption cannot continue forever. When the mills and furnaces are able to accommodate foreign buyers, American iron exports will reach a record-breaking figure."

BALANCE SHEETS AND BALANCE ACCOUNTS.

By James R. Macdonald.

THE ultimate end of all bookkeeping being the elaborating of a balance sheet, or balance account, either of which purports to contain in itself a complete resume of all past detail, we consider the best method of treating this subject is to take a few representative balance sheets and explain their component parts. This system is different to that adopted in existing treatises on bookkeeping and to the way it is taught in schools. Nevertheless, it lends itself readily to the explanation of principles—a most essential point in any educational system. Another reason for adopting this course is that it immediately imparts the minimum knowledge of accountancy necessary to the conduct of a large business. In our day a high standard of excellence is attained in preparing these statements of accounts, but it should not be forgotten that this is the outcome of generations of experience and expediency.

WHAT IS A BALANCE SHEET?

A balance sheet is simply a memorandum containing the capital and liabilities of a business at a given date, together with the assets or funds available to satisfy these. It is usually stated in the following form:

A. B. & Co.

Balance Sheet as at 31st December, 1897.

Liabilities	£15,000
Capital	20,000
	£35,000
Assets	£35,000
	£35,000

From this it will be seen that a balance sheet is nothing more nor less than a statement of affairs at a given date, compiled from any data—not necessarily from book records. It is not a ledger account, or part of any bookkeeping system, but merely a memorandum containing figures based on the accounts—if such exist. Hence the term "balance sheet" (or statement) to distinguish it from a balance account as used on the continent.

Before going further it may be as well to consider—

WHAT IS A BALANCE ACCOUNT?

A balance account is a general account in the ledger, into which at a given date, the balances of all other accounts are transferred. Thereafter one obtains at a glance a kind of panoramic view of the financial situation of the business. For convenience, those items of receipt and expenditure, which relate to revenue, are collected into an intermediate account called the profit and loss account, and the balance of the latter only is transferred along with the others.

The following is the form of a balance account:

A. B. & Co.

Balance Account as at 31st December, 1897.

Dr.	
To Assets	£35,000
	£35,000
Cr.	
By Liabilities	£15,000
By Capital	20,000
	£35,000

WHEREIN DOES THE BALANCE ACCOUNT DIFFER FROM THE BALANCE SHEET?

First, the former is part of the bookkeeping system, while the latter is not.

Second, the same items are placed on opposite sides of each form.

Third, the "balance account" bears the symbols of an account proper with its "Dr. to" and "Cr. by," while the balance sheet should not.

Fourth, as regards the bookkeeping, where the balance sheet is adopted the books are "opened" for the new period by the balances brought down from the old, but where the balance account is in use the new accounts have to be "opened" by journal entry, because all ledger balances have been already cleared off to the balance account, and the latter itself balances.

These simple rules do not appear to be generally known.

The example we have given shows a balance sheet in its most rudimentary form. It is natural to assume that the parties interested in the business would require fuller information as to how their capital, liabilities and assets are made up. The sole art of framing a balance sheet consists in subdividing these three main divisions—capital, liabilities and assets—in such a manner as to show the salient features of the business. To what extent this should be carried is entirely a matter of judgment and experience. A few facts are readily grasped, while many tend to obscure the principal features.

Another important matter is to display the various items in an intelligent manner, so as to bring out their relationship to each other. A good method is to set down, first in order, those liabilities which have to be paid at an early date, and against this the funds which would then be available to meet them. Likewise with future liabilities, as far as possible. A statement so displayed offers useful information and looks symmetrical. It is perfect in substance if it contains all the liabilities, funds and capital of the business. Perfection in form is, on the other hand, only approximately attainable, because it is largely a matter of fancy, accuracy of principles, experience and practical knowledge of the business. The latter is, for all practical purposes, a minor matter compared with perfection in substance, which all may attain.

Two typical balance sheets are worth considering in detail—those of a private trading company and of a public limited company.

A. B. & Co.

Balance Sheet as at 31st December, 1897.

Liabilities—		
Bills payable	£10,000	
Current accounts	5 000	
		£15,000
Capital—		
A	£10,000	
B	10,000	
		£20,000
		£35,000
Assets—		
Cash in Bank		£ 3,000
Bills receivable		2,000
Current accounts		15,000
Stock		10,000
Freehold property	£15,000	
Less mortgage thereon	10,000	
		5,000
		£35,000

It will be observed that the subdivisions are so arranged as to bring out conspicuously the amount of each principal heading; and that in the nature of things, the total assets must equal the total capital and liabilities, if the business is solvent. If insolvent, the amount of loss, or deficiency, added to the assets must equal, or "balance," the capital and liabilities taken together.

In private firms any loss is deducted from the partners' capital, and any profit added on.

THE RAND EXPLORATION COMPANY, LIMITED.

Balance Sheet as at December 31, 1897.

Capital—		
Share capital—		
Ordinary	£350,000	
Preference	350,000	
Founders'	3,500	
	£703,500	
Reserve Fund	100,000	
Profit	425,000	
		£1,228,500
Liabilities—		
Bills payable	100,000	
Ordinary credits	140,000	
Dividends unclaimed	1,500	
		241,500
		1,470,000
Assets—		
Cash in bank	110,000	
Loans against securities	500,000	
Investments	840,000	
Ordinary debtors	14,000	
Office furniture	1,000	
Live and dead stock	5,000	
		£1,470,000

All balance sheets are reducible to the form of three principal divisions—capital,

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liabilities and assets; although in the case of public companies it is not usual to do so.

Any observations on the best manner of displaying the various items in a balance sheet are equally applicable to a balance account. In either case the statement is simplified and more clearly explained by adopting the three division principle, hence our using it.

The various items composing the assets and liabilities in the above balance sheets are more or less explanatory. With the subdivision of capital, however, some debatable points are involved which we will now consider.

WHAT IS CAPITAL?

In the case of a private individual or trading firm, capital practically means excess of assets over liabilities. With a joint stock company, however, a little more discrimination is necessary.

Theoretically, and in the abstract, the same rule is true, although it is seldom used in this sense even by accountants, owing to the peculiar constitution of these companies. The term "capital," in connection with the public companies, is more often employed as meaning share capital. This, of course, is a more restricted application than the wider meaning, to which we may apply the term "actual capital."

Therefore, the actual capital of a corporation, as well as of a trading firm, is the excess of its assets over its liabilities. This admits of two subdivisions: (1) Share capital and (2) profit. The former may be split up into the different kinds of share capital, as preference, ordinary and founders', and the latter into:

(a) Reserve fund,

(b) Profit available for dividend, and

(c) Profit carried forward.

Share capital is regulated entirely by the memorandum of association of the company and any subsequent modifications thereof.

It should be noted that debentures, being of the nature of mortgages, come under the heading of liabilities, and not of capital.—Accountant's Magazine.

THE POINT OF VIEW

from which you look at a thing makes all the difference in the world. Even the clouds seem low when you get on the mountain top. But you never see them that way if you stay down on the ground.

So in business, from a low level, from the easy-going level, cheap paints and hand-mixed lead and oil seem good enough. But if you climb up to an S.W.P. height you can look down and see their true worthlessness.

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REALISTIC WINDOW DRESSING.

A subscriber on the South Coast, whom I called upon recently, has dressed his window in a very realistic manner. Wishing to make a display of tennis, croquet, cricket and other sporting goods, he covered the bottom of his window with real turf on which a miniature set of croquet was fixed up. The arrangement was so effective as to arrest the attention of everyone who passed by. By judicious watering the greenness and freshness of the turf was easily maintained. The device entailed some trouble, no doubt, but the publicity it secured was ample recompense. If I am not mistaken, this same ironmonger had his window decorated on April 19 of last year with primroses, bunches of the pretty flower being given to each customer during the day. Oddly enough this dispenser of primroses is reputed to be a staunch Liberal, so that he could hardly be charged with making political capital out of the party emblem. —Ironmonger, London.

THE NEW STEEL COMPANY.

It is now almost a foregone conclusion that before long the entire plant of The Dominion Coal Company will be taken over by The Dominion Steel and Iron Company, and that the former company will cease to exist, except, perhaps, in name. From the day of the formation of The Dominion Steel and Iron Company, it has been a self-evident fact that the steel company could not exist without the coal company, and, as the same gentlemen were interested in both, it was apparent that some arrangement had been arrived at.

It now turns out that The Dominion Steel and Iron Company will take over the entire plant of The Dominion Coal Company with its property and franchises and that The steel company will give a guarantee to pay not less than 6 per cent. on the common stock of The Dominion Coal Company, and that they will also take care of the preferred stock and bonds of the latter corporation. That this is somewhat of a contract for the new steel company to perform is evident from the fact that the common stock of The Dominion Coal Company is $15,000,000, and of course this does not include the bonds or perferred stock.

The entire issue of the stock and bonds of The Dominion Steel and Iron Company has been subscribed, and the Bank of Montreal, the Canadian Bank of Commerce and the Merchants Bank of Commerce backing the gentlemen who have been named in previous issues, have undertaken to finance the scheme.

It is said that nothing will be done for some time as regards placing the stock of The Dominion Steel and Iron Company on the market, as, with a concern of such magnitude, it will take time to construct the buildings and get the plant in operation.

While the Canadian Bank of Commerce takes a block of the stock, those who are also interested include the loan companies in which Senator Cox, president of the Bank of Commerce, is interested.

DEPRECIATION IN MACHINERY.

IN fixing the amount set aside for depreciation, we are at once met with a bone of contention, writes Joseph Nasmith in Cassier's Magazine. Shall the fixed amount be deducted yearly from the original or depreciated value? In other words, shall the life of the machine be taken as the period during which its cost shall be provided for, or shall there be at the expiration of that time a residual value which is equivalent to an extended life? It is quite certain that every machine which is replaced has some residual value. The material of which it is composed is worth something, and to that extent the actual wiping out of its value in a given period is unjust. Generally speaking, however, the amount is not large, and may, in any case, be allowed for in making the calculation of the yearly allowance.

It may be fairly argued that the plan of deducting equal yearly instalments tells very heavily when the machine is worn and is less effective, while the deduction of a diminishing yearly sum depreciates sufficiently at the beginning, when the machine is at its best, and less after its working value is decreased. While this is true, it is purely a matter of account; and it is permissible to adopt the plan named only when the residual value at the expiration of the fixed period is only equal to that of the material.

For instance, if a machine be valued at £100, and is depreciated at 5 per cent. per annum on that amount, then, at the end of 20 years the cost is wiped out. If now the percentage be deducted only from the diminished value annually, then at the end of the time named there will be still 36 per cent. of the original value remaining. Now, it is obvious that no machine is worth at the expiration of such a term 36 per cent. of its original value, so that the method of computation named is of no value. If, therefore, the allowance is to be deducted from the depreciated amount yearly, then the rate must be higher at the beginning of the term than at the later period, and must, indeed, be on a diminishing scale throughout the whole period, in order to reduce the value to its proper level. On the whole, it is better and simpler, considering the purpose of depreciation, to deduct annualy a fixed sum from the original cost, so that there may be some period when the account will close.

CATALOGUES, BOOKLETS, ETC.

SPORTING GOODS.

Lewis Bros. & Co. are issuing, this week, their midsummer catalogue. It contains 56 pages, well illustrated, and treats of guns, rifles, ammunition and sporting goods. Copies of this are being mailed to the trade generally, but should anyone not receive a copy, a card to the firm will bring one.

HAMILTON BOARD OF TRADE.

The annual meeting of the Hamilton Board of Trade was held on Monday afternoon. The membership of the board was reported to be 167. The following officers were elected: Samuel Barker, president; John A. Bruce, vice-president; Charles Stiff, secretary - treasurer. Council — W. H. Glassco, M. Leggat, John Hoodless, St. C. Balfour, W. F. Findlay, John S. Hendrie, F. C. Fearman. Auditors—John Bell and Frederick H. Lamb.

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Supplies carried by all wholesale jobbers In o ering please mention brands.

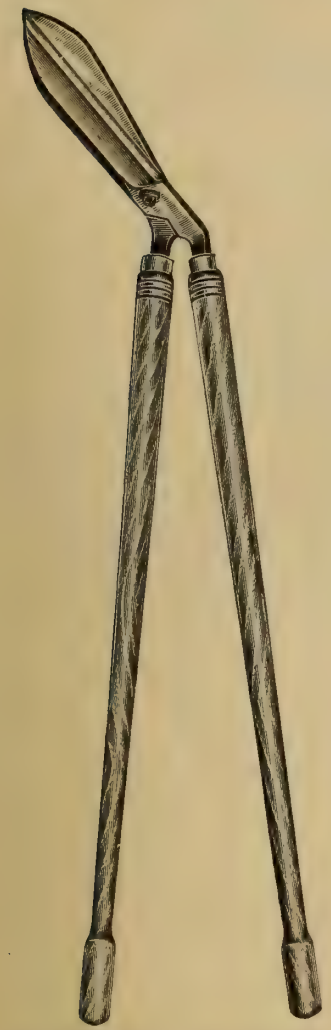
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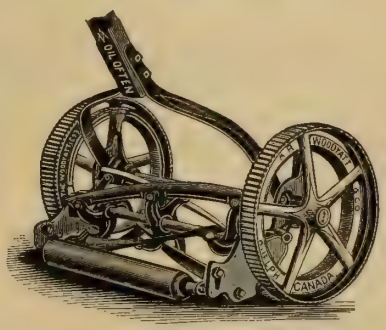


BORDER SHEARS



LAWN SHEARS

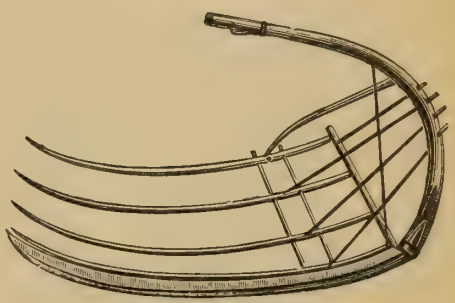
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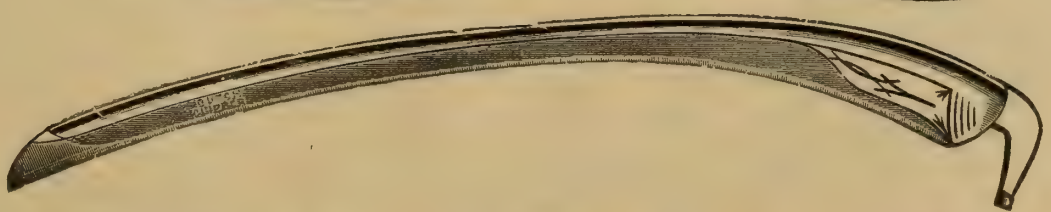


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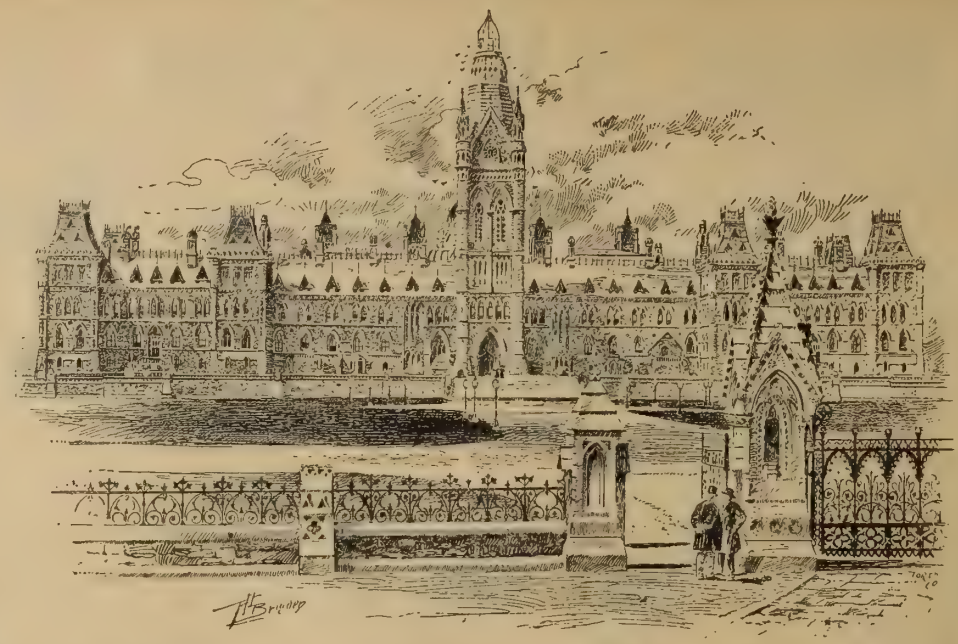


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National Association of Master Plumbers of Canada.

FOURTH ANNUAL CONVENTION MEETS IN THE CITY OF OTTAWA—A REPORT OF THE PROCEEDINGS.

OTTAWA was on Friday and Saturday last the gathering place of plumbers representing nearly every Province in the Dominion. It was the occasion of the fourth n nual convention of The National Association of Master Plumbers, Gas, Steam and Hot-water Fitters of Canada.

Friday morning was taken up with the meeting of the executive committee, when reports for submission to the regular convention were prepared and routine business transacted.

The convention proper convened in Victoria Hall at 2.35 p.m. the same day, with President Smith, London, Ont., in the chair. Mr. Peter Racine, Ottawa, was sergeant-at-arms.

The first order of business was the appointing of a committee on credentials. On motion, Messrs. J. W. Harris, W. H. Meredith and Joseph Wright were unanimously elected to serve as the same.

After a short conference, Mr. Joseph Wright, on behalf of the credential committee, reported the following delegates :

MONTREAL.—P. C. Ogilvie, J. W. Harris, John Watson, Joseph Montpetit.
OTTAWA.—E. B. Butterworth, H. A. Knox.
NOVA SCOTIA.—Frank Powers.
VANCOUVER.—Joseph Wright.
TORONTO.—James Wilson and A. Fiddes.
WINDSOR.—W. Mansell.
LONDON.—J. W. Chambers.

On motion of Mr. Meredith the report was received.

These responded to the roll call :

W. Smith, president, London.
J. W. Harris, vice-president, Montreal.
W. Mansell, secretary, Toronto.
W. H. Meredith, treasurer, Toronto.
H. Higman, vice-president for the Province of Ontario.
E. B. Butterworth, Ottawa.
F. G. Johnson, Ottawa.
Gil. Julien, Ottawa.
H. Normand, Ottawa.
H. Foisy, Ottawa.
H. Brown, Ottawa.
G. Ross, Ottawa.
J. Montpetit, Montreal.
John McKinley, Ottawa.
Peter Racine, Ottawa.
Frank Powers, Halifax.
A. Fiddes, Toronto.
J. H. Wilson, Toronto.

On the call for comminications being made, the following from The Starr Iron Company, Limited, Montreal, of which L. A. Mongenais is manager, was read :

H. A. Knox, Esq., Secretary Master Plumbers' Association of Ottawa.

DEAR SIR,—We regret very much to be unable to accept your very kind invitation to attend your annual convention in Ottawa. For some serious matters our association has passed a resolution forbidding its members to attend your convention this year. Nevertheless, you can rest assured that our friendly relations with all master plumbers will be as good as ever, and we will in future do, as we have done in the past, all in our power to help your association. Please accept our sincere thanks.

On motion of Messrs. Wilson and Powers, the president was authorized to appoint a committee on resolutions, and he accordingly named the following : Messrs. H. Higman, J. W. Harris and J. H. Wilson.

PRESIDENT SMITH'S REPORT.

It gives me great pleasure to welcome you to this our annual convention, which, I trust, will prove interesting and beneficial to all, and while there has been no marked improvement in the condition of business or trade during the past year, our association has not suffered from the lack of increased membership. Those admitted to membership during the past year, coming from all over the Dominion, show that the interest manifested in advancing this, our chosen profession, is not local but universal. No special effort has been made to increase the membership of our association. The majority of the

APPLICANTS HAVE SOLICITED THE HONOR,

which would indicate a recognition of the standing of the association and the necessity for a united action to elevate and advance our profession. Our association has already been the means of accomplishing much good in diffusing a knowledge of the requirements for and the best methods employed in securing good plumbing, heating and ventilation, yet what has been accomplished sinks into insignificance when compared with the possibilities of an association like ours, with a membership embracing the leading men in the profession in all sections of the Dominion. A united effort on the part of each individual of our association will in time awaken the people and the Government to the fact that good plumbing, heating and ventilation are necessities and not luxuries, and will secure for us the same recognition and legislation that is accorded to other professions. And,

TO ACCOMPLISH THE GREATEST AMOUNT OF GOOD

to ourselves and others, it is desirable that we should avail ourselves of every opportunity to advance the interests of this association, and that, in electing officers and appointing committees, we should select those who can best fill the different positions and who are willing to devote a reasonable

amount of time to the affairs of the association. We should also endeavor to increase our membership by securing as members all who are eligible for such membership. This can be best accomplished



J. W. Harris, Montreal, President.

by the individual members in the different sections of the Dominion where they are located.

There can be no more important question before the National body than the purpose it should serve in its relation to its membership. With this question successfully answered the

DUTY OF EACH INDIVIDUAL

member is plain, when men decide to cooperate, when they agree to harmonize social or commercial interests, the very first thought is what valid excuse have we to offer for such an association? Is the object or purpose praiseworthy? Is it necessary to better social relations or business interests, as the case may be? Is there a principle of right involved which we can use as a basis of organization, and which the great public at large must respect? These are the thoughts which must come to men who found organizations based on social or mutual interests. I believe that the

TRUE PURPOSE OF AN ASSOCIATION

of master plumbers should be as follows:

1. To advance the cause of scientific sanitation. Why? Because plumbing and house-drainage are its most important department.

2. Its special object should be, therefore, a sanitary law which provides for the examination and registration of plumbing labor, and honest inspection. To secure such a law, public prejudice, or ignorance of its necessity, must be overcome. To do this there must be a plan formulated for the

EDUCATION OF THE PEOPLE.

To educate members, a pleasant association room in each city is essential, The room should be provided with maps, charts, blackboards; the library should consist of the latest scientific journals on house plumbing, drainage and ventilation, and there should be kept on file at all times trade literature for ready reference. To educate the people to realize the necessity of a plumbing law all literature should be issued by the association and distributed by its members to their customers and friends.

3. The chief object of the association should be to place the supply trade and the retail trade on a basis of mutual interest. Their interests are identical, and there should be hearty cooperation. And to my mind there seems no good reason why this cannot be accomplished if right methods prevail. To this end we must

ENLARGE OUR MEMBERSHIP

and improve the commercial credit of our members through open, honorable and cooperative business methods. When we build an association attractive enough to secure 95 per cent. of the purchasing power and reduce the risk of selling materials in our own ranks, we will command absolute trade protection without question; and, what is more desirable, respect. To overcome public suspicion and prejudice, we must by these methods

IMPROVE THE CHARACTER OF PLUMBING WORK.

There is no surer way to win the respect and confidence of the people than to reduce the death rate of cities and the expense of sickness, which is the result of, I might say, criminal sanitary neglect. An association of plumbers built upon, to my mind, the above broad lines, would become speedily a powerful factor in the country's best progress. Following out such a purpose, our annual gathering would become the occasion for scientific discussions and debates of great importance. Here, for instance, we have met in the city of Ottawa, which has, no doubt, been looking forward for months to this convention of master plumbers, believing that the deliberations of this convention will bring to them valuable information, aid and encouragement. What a disappointment it would be should we, as an association, organized to serve the purposes enumerated, fail!

Gentlemen, we make a sad mistake when we, as an association of master plumbers, refuse to interest ourselves in the great sanitary problems of the day.

WE MUST BE SPIRITED

and elevate ourselves; and I believe the greatest honor that can be bestowed upon a master plumber is to be a delegate to this convention.

I believe the plumbing industry is of more importance to the population than all the doctors they can manufacture, for the simple reason that the doctors try to kill the germ after it has been bred, while the plumber abolishes the pest hole that starts the life and gives it a chance to exist. For that reason I think that all master plumbers should protect their interests in every detail.

In conclusion, I trust that you will pardon me for the many suggestions I have made instead of a complete resume of the work accomplished by us during my term of office, but in my opinion it is better that the work we have accomplished should be given in detail by the different vice-presidents and members, particularly when the work is pretty well known by all present.

The report was referred to the committee on resolutions for consideration.

REPORT OF THE EXECUTIVE COMMITTEE.

Your committee have pleasure in submitting their annual report to the fourth annual convention, for the year ending June 30, 1899. Two meetings of the executive have been held as a whole during the year, the first taking place on the steamer returning from Quebec, July 1, 1898, and the second being held in the city of Ottawa on June 30 of this year. At the meeting on July 1, 1898, the first business of importance was the appointment of a sub-executive committee, which resulted as follows: William Smith, London; E. R. Russell, London; W. H. Heard, London. The questions of issuing a monthly Bulletin and employing a paid secretary were also discussed, but

DEFINITE ACTION

in relation to the same was left over for a future meeting. Subsequently, these matters, with several others, were taken up by the sub-executive, and dealt with as was deemed best in the interests of the association.

The publishing of The Bulletin was entered into by the sub-committee, a separate report of which will be presented by the editor.

Our president has been indefatigable in his efforts to organize branch associations in other towns and cities, the result of which he has already told you in his report. At the same time, we regret that much more work must still be done in this direction, and we feel more and more assured that this cannot be thoroughly accomplished without a permanently-employed organizing agent, and, as in our report of last year, we again urge the great necessity of specially considering this question at the present convention. We have pleasure in reporting that

SEVERAL DIFFERENCES

which arose between some of our branch associations and the supply men were carefully gone into by the sub-executive in conference with the officers and members of the Dominion Supply Association, in the presence of the complainants, last April, and were adjusted to the satisfaction of all parties concerned.

List in Accord.—The official Bulletin has contained the full list of manufacturers and dealers who are in accord, and whenever changes were reported to National headquarters they were made and announced in the issue following the notice. During the past year, we have taken from the list 11 names, for various reasons.

Official Bulletin.—The editor's report will give full information as to the success of The Bulletin, which was launched on its trial trip in November last.



Wm. Smith, London, Past-President.

Re Secretary.—You will remember that, at the Quebec convention, the question of

A PERMANENT SECRETARY

was discussed, but, no definite appointment having been made, Mr. Mansell was asked, and, after great pressure, consented to act again as secretary, but only pro tem., and until such time as the office could be filled permanently. At the first oppor-



W. H. MEREDITH, Toronto, Treasurer.

tunity, your committee looked around for a suitable man to relieve Mr. Mansell. It had been intimated that Mr. W. H. Heard, of London, was willing to act, and he was accordingly chosen, but declined. Mr. E. R. Russell, of London, was also suggested, but he declined. Before reaching this stage of affairs, several weeks had elapsed, and Mr. Mansell continued as secretary pro tem., and up to the present time he has done so, while Mr. Beel has performed the duties of the office:

On motion, the report was referred to the commmittee on resolutions for consideration.

SECRETARY'S REPORT.

In making this report I would first of all say that I did not anticipate twelve months ago to again have to make a secretary's report, as I was only elected to the office pro tem., and fully expected at the time that a secretary would be chosen soon after the Quebec convention. But the year has rolled by without such a choice being consummated—two names, however, having been brought by the president before the sub-executive successively, and elected, and each of them ultimately declining to act, for good reasons presumably.

Under these circumstances, though I have nominally held the office, I have not felt the same responsibility resting upon me as I otherwise would, and, as I

FOREWARNED THE CONVENTION

last year, the clerical part of the work has been done by someone else, viz., Mr. Beel, as it was utterly impossible for me to attend to the duties.

Re The Bulletin—This is a new departure in our work; it has been successfully floated, but, like any other new venture, requires all the support and care possible, and I regret that the members of the association have not made as much use of The Bulletin as they might have done. Members, and particularly secretaries of local associations, have in The Bulletin a splendid medium for keeping headquarters better informed from time to time as to the working and progress of the association in their particular vicinity, and I am sure the editor would be only too pleased to hear from any member upon matters of interest to all concerned.

Mr. Meredith, in moving the receipt of the secretary's report, said that the best thanks of the association should be tendered to him. "It was only because of the goodness of his heart that he consented to fill the position until the present time. May the Lord bless him," concluded Mr. Meredith amid laughter and applause.

Mr. Wright seconded the motion, and it was carried unanimously.

Secretary Mansell: "I thank you very much for your kind vote of thanks, but I hope you will succeed in getting someone to relieve me from the office for the coming year."

REPORT ON THE APPRENTICE QUESTION.

Your committee, having during the past year given the apprentice question earnest consideration, respectfully report that in their opinion apprentices, in the old acceptance of the term, no longer exist in connection with our trade, and that our trade is in this respect no exception from other trades and mechanical callings. As a rule boys are no longer indentured to masters for a term of years, and masters no longer feel any serious obligation in the matter of imparting a knowledge of their calling to the boys who are constantly passing through their shops, staying a longer or shorter period as may suit the convenience of either. The boy remains in the shop if it suits his convenience, and the master keeps him for a similar reason. True it is that in many shops boys remain to become men, but

THERE IS NO REGULARITY

or any recognized rule or law in the trade governing the matter.

The results are deplorable. A class of men are growing up without thorough training in the theory and practice of one of the most important businesses, dealing, as it does, with the most valuable asset of any community (its health). Modern methods have brought about this state of affairs, and without any remedy as yet being evolved. Years ago the different kinds of goods and fixtures required were made in the plumber's shop. Stocks were piled up during the slack season to be used when the rush came on. To-day the

FACTORY THE PRISON AND THE ASYLUM

do the work, and both man and boy are idle when outside work ceases to be pressing. The master plumbers and others interested in the welfare of the community and in the trade have endeavored to overcome the difficulty through the agency and with the assistance of the trade school. In the Dominion, as far as your committee is aware, there is only one plumbing school. That is in Montreal, and it is in connection with the work of the Council of Arts and Manufactures carried on under the auspices of the Government of the Province of Quebec. This school was begun some years ago, through the efforts of the Montreal Plumbers' Association. Although it has done good work, it is yet far from being efficient, and we regret to say that there is a

LACK OF INTEREST

in the matter. Your committee fails to see why the mechanic should not be as anxious to control the class of men who are to follow the trades as are the learned professions. The clergy, the lawyers, the doctors, the engineers, the architects, the druggists, etc., have all definitely defined rules as to the class of men, their studies and their qualifications, who are to enter and practise their professions. Why in this mechanical age the mechanic should be content to follow a go-as-you-please policy and fail to follow up and take the precaution our forefathers found necessary is more than your committee can understand.

AN EARNEST AGITATION

for the founding of mechanical colleges could not fail to be beneficial. It is certainly as necessary from the public health point of view that some care and attention should be given to the education and training of the plumbers as well as the doctor.

Your committee would suggest that, with a view to insuring young men putting in a certain amount of time regularly in the practice of the trade before claiming to be journeymen, that a

PRINTED FORM OF DISCHARGE

be issued by our association, stating that the bearer, besides having the necessary character qualifications, should be entitled to admission into another shop. Should he be discharged before fulfilling the full time allowed (say, 5 years), his next employer should endorse on his certificate the time he put in with him, and so on until the certificate showed that the

HOLDER HAD WORKED

as a helper or apprentice the number of years that may be decided upon as necessary. It would, of course, be necessary that no master take a lad from another shop unless he was possessed of a properly filled-up certificate of discharge.

Further, the plumbing and health by-laws of all cities and towns should contain a clause

FORBIDDING THE PRACTICE OF THE TRADE

by any journeyman unless he could show a certificate or pass a theoretical and practical examination proving his knowledge of the business.

In conclusion, we would urge upon our association the importance of this subject, and that it should at at once put the matter in practical working order. Anything insuring regularity would be a vast gain on the present lax methods.

[Signed] JOSEPH LAMARCHE,
J. W. HUGHES,
JOHN MOLL,
P. J. CARROLL,
JOHN WATSON.

On motion, the report was referred to the committee on resolutions for consideration.



JOSEPH WRIGHT, Toronto, Vice-President for B.C.

REPORT OF OTTAWA ASSOCIATION

I am happy to report that the local branch is one of the soundest in the country. We have black sheep, but they are not allowed to hinder us in the least. Our objects are too important to be forsaken

because of the inattention of a few. Those whose minds are weakened by individual competition are neither desirable nor worthy men to strengthen the bonds of organization. We have tried to stimulate and strengthen their intellectual power; but, alas!



H. A. KNOX, Vice-President for Ontario.

we found them incurable, and our attention is now directed to men who know their opportunities.

We are stronger than last year, by the addition of two members. Consequently we have more representation at the convention.

The evils we have to contend with vary: By-Law No. 1358 of this municipality, for regulating plumbing and inspection, is not enforced, because no inspector exists, uniformity is displaced by confusion, etc., and the results are disastrous all round. The carpenter, the bricklayer and the householder has each his own standard of what is good and what is bad in sanitary and plumbing work. The plumber is not, in many cases, accepted as an authority on his work. The architects, too, are deprived of their just heritage owing to weakness and apathy. What we need badly is the operation of the by-law. Intelligent, skilful and alert workers will then be brought into the ranks. More discrimination ought also to be exercised in selecting boys for the trade.

In our humble opinion, if the reforms we are seeking were sought for by other locals, the association would be a moral, intelectual and financial giant.

H. A. KNOX, Secretary.

On motion of J. W. Harris the report was adopted.

OFFICIAL BULLETIN REPORT.

As you are no doubt aware, the adoption of a journal to be published in the interests of your association was discussed at the Quebec convention, and left over to your executive to be dealt with. After going into the matter carefully, the publication of a monthly journal, entitled Official Bulletin, was decided upon, and the first issue appeared in November, 1898, under the editorship of the undersigned.

A statement is here appended showing the receipts and expenditures in connection with The Bulletin during eight months ending this present June 30. From a reference to this statement it will be seen that the entire expenses of publishing the journal, including also sundry small payments to the editor for secretarial work done by him, were covered by receipts from advertisements, including a surplus from The Bulletin of last convention, and some $15 received from private subscriptions towards the initial expenses. By this it will be seen that the association has not been put to the cost of one single cent in the promoting of this new and important departure of work. After the experience of the past eight months, however, it is evident that to efficiently carry on the publication of this journal it should receive some small financial assistance from the association, as the advertisements alone, so far as already obtained, do not fully pay expenses of publication and secretarial remuneration. A reference to the advertising matter in The Bulletin will show that it is not as largely patronized by those whom the Association patronizes as was anticipated. Why, it is difficult to say—certainly not for want of soliciting.

Circulation—The Bulletin, as far as is known, has been sent to every master plumber, gas, steam and hot-water fitter in the Dominion. Possibly here and there some may have been omitted, but not intentionally. In its silent way, the Bulletin has not been unsuccessful, a canvasser having secured applications for membership to the association in each of the following places: Calgary, Port Hope, Sherbrooke, Guelph, Hamilton and, probably, others indirectly.

Before closing this report, I would just like to say that, perhaps, because the journal was a new venture, members did not avail themselves of its columns as they might. Though it has not reached the enviable position of being able to pay for literary contributions to its columns, on the other hand, no charge is made for inserting such.

All of which is respectfully submitted,

J. PASCOE BEEL.

The report was referred to the committee on resolutions.

VICE-PRESIDENT HARRIS' REPORT.

One year has already gone since I had the honor to be elected vice-president of your association. In submitting this report to your consideration, I will confine myself to a few suggestions which I think will be of general interest, and more especially the following:

I may state, in the first place, that, although the dealings of this association with manufacturers and jobbers during the past year have not been as satisfactory as we would like to see them, I am glad to say that the feeling between us and them is growing better every day.

There are many things to be done yet to better our SITUATION WITH MANUFACTURERS AND JOBBERS, things that I could not mention in this report, but would suggest that a special committee of three be appointed by this association, with full power to confer with a committee of manufacturers and jobbers on any subject that may be of interest to our association, or both associations. That committee should meet at least every three months and make a report of their doings after each meeting to the executive committee.

There is another feeling which I would like to see in existence in our association, that is to have all the members who belong to our society taking an active part in its doings and treating association matters as they would treat their own. Let us

LOOK AT EACH OTHER

as good neighbors do, and then, instead of losing a year or two in going to the Klondyke for gold, we will find good money within a few steps of our door. For that purpose, let us stand to each other and have good members. Then will be the time for us to publish in the papers that we have discovered a gold mine which will benefit the public at large as well as the plumbers.

The report was referred to the committee on resolutions.

REPORT FOR THE PROVINCE OF NOVA SCOTIA.

As your annual convention is near at hand, and, as you appointed me vice-president for Nova Scotia, I think it will be necessary for me to report upon the work done during the past year in our section of the country.

In the first place, I might say that our local association, which takes in Prince Edward Island, is in very good form. The majority of the members take an active interest in the good work which, as you know, is half the battle. We have about

TWENTY-SIX MEMBERS

in good standing, which I think is a very good standing for Halifax and vicinity.

There is another matter I would like to say a word about, and that is that we

DO NOT RECEIVE ENCOURAGEMENT

from headquarters. An occasional letter from the heads of our Dominion Association would let us know that we are not simply local, but that we are a part of the Dominion Association and backed by men that are ready to stand by us in any reasonable cause.

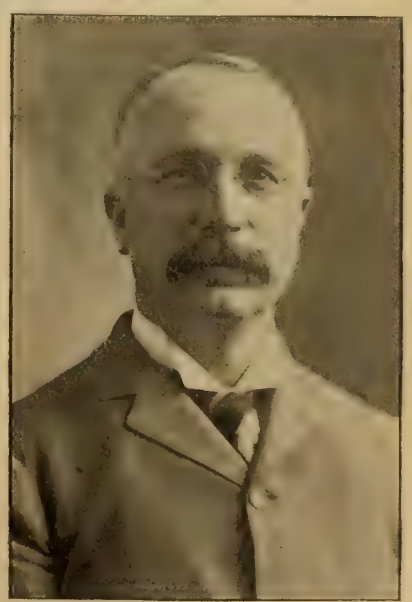
I see by the report of our last meeting, held in Quebec, that the committee appointed to consider the question of appointing a permanent secretary reported in favor of engaging one, which I think would be a move in the right direction, for I consider the work in connection with association matters takes up so much of our secretary's time that he should be paid for it.

In conclusion, gentlemen, I must express my regret in not being able to attend the convention, but wish it every success.

GEORGE H. PERRIER,
Vice-President representing Nova Scotia.

A DISCLAIMER FROM MR. SMITH.

President Smith said he felt the report was a personal reference to himself. "I



FRANK POWERS, Lunenburg, N.S., Vice-President for N.S. and N.B.

am sorry," he said, "that I have not the ammunition here to show that there are some misstatements in that report. I keep

copies of the letters I write, but I have not the copy book here. I have written letters to the Halifax Association, and when I return home I will look up these letters. If I have not done my duty I should be censured, but if I have done my duty some one has got to pull in his horns." (Laughter.)

Mr. Beel said he had written letters to the Halifax Association, and had received no replies.

Mr. Wright said that while president he had written three or four letters to Halifax, and had received one reply.

Mr. Powers: "I am not living in the city of Halifax. I am about 150 miles away, so I cannot say whether any letters have been received or not."

Mr. Mansell: "I think we should not make too much of matters of this kind. During the past year I have written about 500 letters, and have only received replies from about 5 per cent."

The report was received and referred to tbe committee on resolutions.

Some one having remarked that auditors had not been appointed, on motion of Messrs. Watson and Powers, Messrs. Joseph Wright, J. W. Chambers and E. B. Butterworth were elected to perform the duties of same.

REPORT FOR THE PROVINCE OF ONTARIO.

As vice-president for Ontario, I beg respectfully to submit my report for the year ending June 30, 1899. During my term of office, I have written several master plumbers in the cities and towns of the eastern part of the Province, doing my best to induce them to join the nearest local association, with great hopes, in many cases, of their doing so, or of forming local associations where three or more master plumbers are established. But it is

A GREAT SURPRISE

to me that so many bright and intelligent master plumbers still hold back from joining the association. When it is so evident that, if we wish to attain the high position we are entitled to, every master plumber should join the association.

The members of the Ottawa association are doing their best to help the good cause along. This year, we tried to get the city council to pass a plumbing by-law, with the hope of having a plumbing inspector appointed, but did not succeed at the time, but hope to in the near future. In fact, a

PLUMBING INSPECTOR IS BADLY NEEDED

in Ottawa, in the interest of the public health and for raising the standard of the plumbing trade generally.

We have had two cases of wholesale firms selling to consumers here in Ottawa, which were referred to the executive to deal with, which had the desired effect.

In conclusion, I take great pleasure in thanking the officers and members of the Master Plumbers' Association for their uniform kindness during my term of office.

JOHN HIGMAN,
Vice-president for the
Province of Ontario.

Report was received and referred to the committee on resolutions.

A RESOLUTION OF CONDOLENCE.

Secretary Mansell: "I have, Mr. President and gentlemen, a sad duty to perform. Since our annual meeting, two of our members have been called away. They are W. H. Briggs, late treasurer of this National Association, and J. Horton, both of Montreal." Mr. Mansell then proceeded to read the following:

Whereas,—It having been reported to this convention that, since our last annual gathering, two of our most active members, viz., W. H. Briggs and J. Horton, both of Montreal, have passed away from the scene of their labors, therefore, be it



Joseph Wright and Party Shooting the Chute.

Resolved,—That, in the death of these comrades and friends, we have lost two of our truest and hardest-working members. How much they contributed to the prosperity of the association will probably never be known, but the kindly and devoted interest they took in all matters connected with the trade will not soon be forgotten by their wide circle of friends.

Resolved,—That the delegates of this convention sympathize with the families and friends of our late confreres in their bereavement, believing that "He that doeth all things well" will console them in their time of distress.

Resolved,—That these resolutions be inscribed in the proceedings of this convention, and that a copy thereof be forwarded by the secretary of the association to the families of the deceased.

On motion of Messrs. Wright and Powers, the resolution was concurred in.

A LETTER FROM VANCOUVER.

Mr. Wright stated he had received a letter from Mr. W. J. Barr, of the Vancouver association, and he then read the following:

Joseph Wright, Esq., Toronto.

DEAR SIR,—I am instructed by the Master Plumbers' Association of Vancouver to request you to represent us at the annual convention. We would very much like to send a delegate. The distance is so great that we call on your good nature to do us proud at the fourth annual convention. A few notes to let you know that we are alive will, I presume, not be out of place. We have been working along slowly but surely. As our city grows, so shall our association, which, as doubtless you know, is not very slow. We again thank you for your kindness in representing us at the last convention, and thank you in anticipation for the same this year, wishing you every success.

A letter was also read from the Windsor, Ont., association, reporting that the organization there was in a most satisfactory condition.

"It is one of the solidest associations in the country," enthusiastically remarked the secretary, as he concluded reading the letter.

President Smith: "It speaks well for the organizer."

A QUESTION OF REPRESENTATION.

Mr. E. B. Butterworth asked why it was that Ottawa had not been represented on last year's executive committee?

Mr. Wright, who was president for the year 1897-98, explained that in selecting the executive committee last year the idea was to have members who were near each other, in order that the heavy expense incurred in the previous year, when this idea had not been followed, might not be repeated. For instance, one member was in Winnipeg, and to bring him to attend a meeting in Montreal had cost $86.

President Smith explained that the vice-president for Ontario was an Ottawa man, Mr. Higman. Then, there was the legislative committee; it was composed wholly of Ottawa men.

Treasurer Meredith (facetiously): "We have a surplus this year, and, having done so well, we might have a representative from Great Britain on the executive. Have a sort of Imperial federation, as it were." (Laughter.)

The fact then leaked out that some of those on the legislative committee were not aware of the fact, although the list had been published in the official Bulletin. Then the question arose as to whom The Bulletin was sent, and Mr. J. Pascoe Beel, the editor, explained that, as far as he knew, every plumber in the country, whether he was a member of the association or not, received it. As it was felt that some may have been overlooked, the different members present volunteered to send in the names of bona fide plumbers in their respective districts.

REPORT OF THE COMMITTEE ON RESOLUTIONS.

Mr. J. W. Harris presented the following report of the committee on resolutions :

Your committee on resolutions beg leave to report the following :

1. The executive committee, in our opinion, has done its best during the past year to bring business to a good result, and we would urge the members to continue their good assistance to them.

2. Regarding the president's report, we recommend the members to follow as much as possible the very wise advice given in that very elaborate and intelligent document, for which we recommend a hearty vote of thanks.

3. In regard to the report of the vice-president, we recommend, as suggested in his report, that a committee of three be appointed, two from Montreal and one from Toronto, with full power to meet with a committee of manufacturers and jobbers to treat on any subject that may be of interest to both associations.

4. In connection with the secretary's report, we beg to concur in the hearty vote of thanks to him, and recommend the adoption of his report.

5. In regard to the report of the committee on apprenticeship, we beg to state that we fully agree with all its contents, and would recommend its adoption at this convention.

6. Re Bulletin report, we beg to confirm the motion which was passed at the executive meeting this morning, which left it in the hands of the executive for further consideration.

7. We recommend the adoption of the report of the vice-president for the Province of Ontario.

8. By the report of George H. Perrin, of the Provinces of Nova Scotia and Prince Edward Island, we are pleased to see that they have succeeded in getting the jobbers to sell to members of their association only, we would recommend that all places which are in a similar position use their best endeavors to obtain the same. We recommend its adoption.

9. Regarding the secretary's report of the city of Ottawa association, we beg to confirm its adoption.

10. Re the correspondence from The Starr Iron Co. to the Ottawa association in regard to the manufacturers forbidding its members to attend our convention, we strongly condemn their action, as their reasons for taking this action refer to the conduct of a few members, and it is unjust to treat this association as a body as they have done, particularly as a majority of the members of this National Association are quite ignorant of the facts in regard thereto.

J. W. HARRIS,
JOHN HIGMAN,
J. H. WILSON.

It was decided on motion of Mr. Wright, to take up the report seriatim.

On motion of Messrs. Wright and Montpetit, the report of the executive committee was adopted as read. So was that of the president.

When the clause dealing with the report of Vice-President Harris was read, and, after its adoption had been moved by Messrs. Powers and Knox, Mr. Ogilvie asked for more light, and a somewhat lengthy discussion ensued.

Mr. Harris explained that the object was to have the proposed committee, composed of three members—two from Montreal and one from Toronto—ready at all times to confer with representatives from the Dominion Supply Association, say every three months, to discuss grievances that might crop up.

Mr. Wright explained that Montreal was the headquarters of the Dominion Supply Association.

Secretary Mansell declared he did not see any difference between the special committee it was proposed to appoint and the sub-committee of the executive committee whose special duty was to look after grievances between the master plumbers and the jobbers and manufacturers.

Mr. Harris stated that there was nothing to prevent the proposed committee from being members of the executive and under its control.

President Smith suggested that a motion be made laying the particular clause on the table. "Then," he said, "after the election of officers we might appoint certain officers to do the work. I feel that we have appointed too many committees since our organization. Therefore, I think we ought to move carefully."



A corner in the Queen's Park, Aylmer, where the delegates did the "cake walk."

Mr. Powers : "Has it been customery for the executive committee to do this work?"

President Smith : "Yes."

Mr. Powers : "Then, I will withdraw my resolution."

Treasurer Meredith : "I think the matter should be referred to the present executive for consideration." He moved to that effect.

Mr. Butterworth feared that the committee Mr. Harris suggested would entail a great deal of expense, and then, as already stated, there was the danger of having too many committees. He moved that the report be amended so as to provide that two members from the place where the Dominion Supply Association met shall be the committee to confer with the supply men in regard to grievances.

Mr. Wright : "I am opposed to the amendment. The men appointed may not be capable of dealing with every case. It is necessary to have strong men to deal with the supply men."

Mr. Watson : "I do not see the advantage of having this committee. It will mean another committee. The matter should be left in the hands of the executive committee."

President Smith : "I favor the executive committee handling the matter."

Mr. Harris : "I have been asked by wholesale men and manufacturers if we had any people to whom they could address themselves. I think it would be a good thing if we could notify the supply men that we have a committee whose special duty is to attend to anything which may go wrong, and is ready to hear any complaint you may have to make."

After further discussion, the clause in the report referring to the appointment of a grievance committee was struck out, leaving the matter to be dealt with, and the clause as amended was adopted.

The secretary's report was adopted without discussion.

When it came to considering the report re apprenticeship, Mr. Harris said something should be done. Men sometimes came asking jobs who pretended to have served ten years, when perhaps they had not served ten months. These men were sometimes given employment, and it was only after they had destroyed material that their incompetence was discovered.

Mr. Fiddes explained that in Toronto, when a helper came seeking a job, he was asked for a line from his previous employer telling how long he had served, etc., and, if he had none, his former employer was telephoned to. It had worked exceedingly well.

Mr. Wright stated that the journeymen in Toronto wanted something done along these lines.

Mr. Wilson further explained that the Toronto journeymen wanted apprentices bound, but all the master plumbers did not want it.

Mr. Watson suggested that an apprenticeship should be drawn up by the National Association.

The report was adopted, as also were the reports in regard to The Bulletin, the

Province of Ontario and Prince Edward Island.

The report in regard to the letter from The Starr Iron Co., Limited, was the cause of a great deal of discussion.

"I think," remarked one member, "that The Starr Iron Co. is to be congratulated for having the manliness to state the reason that it could not be present at our convention, namely, because the Supply Association had forbidden it. They have let the cat out of the bag, and, by doing so, show that the Supply Association has levied a direct insult against the National Association of Master Plumbers. There were indiscretions at Quebec by a few members of the Master Plumber's Association, but so there were on the part of the representatives of supply and manufacturing firms; but to throw the onus upon the National Association is an insult."



A. FIDDES, a Toronto Delegate.

This voiced the opinion of the members in general, and the report was adopted.

The general report, as amended, was adopted as a whole.

STATUS OF PROVINCIAL VICE PRESIDENTS.

At the Quebec convention of the National Association, Mr. Meredith gave a notice of motion amending Clause 2 of Art. III., having for its object the clearer defining of the status of Provincial vice-presidents on the executive committee. The whole of this article read as follows :

Its officers shall consist of a president, vice-president, vice-president from each Province represented, financial and recording secretary, treasurer and executive committee.

The executive committee shall consist of the president, vice-president, financial and recording secretary, treasurer, retiring president, and a delegate from each Province represented in the association, who shall be elected at the annual meeting. The president shall be chairman of the executive committee.

Mr. Meredith, in bringing forward the motion, notice of which was given a year ago, said there was some doubt as to the meaning of the words "and a delegate from each Province represented in the association, who shall be elected at the annual meeting." His purpose was to remove all doubt by inserting after the word "meeting," in the fourth line in the second paragraph, the following words : "Each said delegate to be known and designated vice-president of the Province he represents."

The motion was seconded by Mr. Wilson, and carried.

The clause, as amended, now reads as follows :

Its officers shall consist of a president, vice-president, financial and recording secretary, treasurer and executive committee.

The executive committee shall consist of the president, vice-president, financial and recording secretary, treasurer, retiring president, and a delegate from each Province represented in the association, who shall be elected at the annual meeting, each said delegate to be known and designated vice-president of the Province he represents. The president shall be chairman of the executive committee.

A SCHEME OF REORGANIZATION.

President Smith : "I have been in harness since the formation of this association, but I consider that I am merely an apprentice, for I have only begun to learn my business. We have a country of great extent, and we find, as an association, that when we have grievances to face that we have difficulty in dealing with them.

"After looking into last year's report of the American association and into that of our own for this year, I have come to the conclusion that the sooner we adopt some scheme akin to theirs the better.

"I would like to see our Provinces organize as separate institutions. At certain seasons each Provincial association could have its own convention, and at this convention elect a member to represent it in the National body. The represe ntatives of the Provincial associations would constitute the supreme or National body."

Proceeding, he showed that, with the executive, say, in Toronto, and the grievance in St. John, N.B., how difficult it would be to deal with it quickly. "If we had Provincial associations it could be dealt with quickly and at so small a cost, that I feel we would be in the same position as the master plumbers of the United States. They have formed their State associations, and at the State election they elect to the National body. They elect from three to five. They can afford to elect that number. But at present we must curtail expenses, and after a few years have a treasury with some money in it.

"I have given this matter a great deal of study during the last few months, and have laid it before our association in London and before the Toronto association, not from a selfish standpoint, but to help the members living in the extreme ends of the country. Now is the time to work the matter out, for the more population we have the harder will it be.

"The details I have not yet worked out. Therefore, if this association sees that the proposition is for its good, I would like to see a committee appointed to work it out, and I think it would be advisable to have the committee appointed from one local association. I do not think it will take them long to get it into proper working form. Benevolent societies work on the lines I have suggested. Looking at it from the experience of the benevolent societies, I feel sure we will have no cause to regret taking a course such as I have suggested."

Mr. Ogilvie : "I fear, Mr. President, that we are not quite numerous enough to successfully carry out your scheme. You take the Province of Quebec; we have practically only the Montreal Association. If you form a Provincial association, it would practically consist of Montreal men only."

President Smith : "So much the better."

Mr. Ogilvie : "It might do in Ontario, where you have the Ottawa, Toronto, London and other associations. But take New Brunswick and Nova Scotia. What about those Provinces? Of course, there is nothing to lose, but there is nothing to gain."

President Smith : "If you form yourself into Provincial associations, I am satisfied you will get all the protection you do now, and the Provinces can work together hand-in-hand."

Secretary Mansell expressed his approval of the scheme, and he instanced the good work the Nova Scotian master plumbers were doing along certain lines.

President Smith : "Yes, and they are doing it without the aid of the National Association."



J. H. WILSON, Vice-President for Manitoba.

Vice-President J. W. Harris : "I think, Mr. President, that your suggestion is a good one. A thing which works well in one Province may not work well in another. If each Province had the control of its own affairs it would naturally know better how to deal with matters concerning it than would the Dominion organization. What, for instance, might be considered a grievance in one Province might not be so considered in another." Mr. Harris gave instances of this, and moved the appointment of a committee, consisting of Messrs. Smith, Mansell, Ogilvie and the mover, to consider the matter and report to the convention on the following morning."

The motion was seconded and carried.

Mr. Wright: "Before we adjourn, Mr. President, I would like to invite the members of this convention to a street-car ride around the city to-morrow afternoon."

The invitation was accepted, and the convention adjourned at 7.15 p.m. to meet again on the following morning at 8.30 o'clock.

THE BANQUET.

The banquet, tendered by the local association, was held in the dining-room of the Grand Union Hotel. Mr. John Higman, president of the Master Plumbers' Association of Ottawa, presided. On his right were seated Messrs. J. W. Harris, H. A. Knox and Mayor Payment, and on his left were Messrs. W. Smith, W. Mansell and W. H. Meredith. Between 40 and 50 guests sat at the tables.

The following was the menu:

MENU.

Consomme d'Eslignac.
Tortue Verte.
Olives.
Boiled Fresh Restigouche Salmon.
Sauce Parisienne.
Cucumbers. Potato Croquettes.
Boiled Turkey, Parsley Sauce.
Sweet Bread Patties, aux champignons.
Roast Ribs of Prime Beef, Horse Radish.
Spring Lamb, Green Mint Sauce.
Lettuce Salad.
Puree of Potatoes. Asparagus a la Hollandaise.
New Green Peas.
Diplomatic Pudding, Brandy Sauce.
Ladies' Fingers. Short Bread. Orange Jelly.
Strawberry Ice Cream.
Fruits.
Coffee. Roquefort Cheese. Crackers.

It was 10.30 o'clock when the first toast, "Her Majesty the Queen," was proposed and drunk amid the usual patriotic demonstrations.

OUR GUESTS.

"Be not forgetful to entertain strangers, for thereby some have entertained angels unawares."—Holy Writ.

The next toast was "Our Guests, the National Plumbers and Visitors." The names coupled to it were those of President Smith, Vice-president Harris and Treasurer Meredith.

President Smith, on rising to speak, was warmly applauded. "I do not know of anything that gives me so much courage as to be present as a guest at the annual banquet of the National Master Plumbers' Association." (Applause.) "I have attended four banquets of this kind, and I am assured that we are getting better known and that people are recognizing more and more the intention of our association. I hope the citizens of Ottawa will recognize the fact that we are not a combination. What we are primarily here for is to devise ways and means of improving the laws appertaining to the health of the community." (Applause.)

Vice-President Harris: "I shall speak, Mr. Chairman, on one condition, and that is that the official reporter take down my speech verbatim." Then, amid much laughter, he turned his speech into French. And, as he spoke of plumbing and the duties of master plumbers, Mr. Joseph Wright liberally applauded, much to the amusement of those present, it being known that Mr. Wright is not conversant with the French tongue. Eventually Mr. Harris got back to English again and outlined what he had said in French, and took occasion to jocularly remark that Mr. Wright was Wright even when he was wrong.

Treasurer Meredith: "We are not joined together, as some people think, for the purpose of doing people up. Our object is to improve the sanitary laws and do good sanitary work. I do not know any more white winged angels than the master plumbers." (Laughter and applause.) "We trust our calling may ever have an upward tendency and not grovel in the dust."

MAYOR AND CORPORATION.

The names of Mayor Payment, Ald. Davis and ex-Ald. Hill, chairman of the Board of Health, were coupled with the toast "The Mayor and Corporation."

Mayor Payment was felicitous. "I am a druggist," he said, "and the more sanitary work you do the worse it is for me." Everyone laughed, and then His Worship descanted upon the rights of the master plumber and the wisdom of his organizing to protect the same. He extended the freedom of the city to the delegates, and in closing remarked: "If any of you should, between now and the morning, get into trouble, I shall have much pleasure in rising early and bailing you out." (Laughter.)

Ald. Davis said that he was particularly pleased as a contractor and as chairman of the drainage committee, to welcome the master plumbers of Canada to the capital. Ottawa was a good city for the plumbers, and would particularly be so when the present 7-foot sewer was completed. He touched upon sanitary plumbing, and said there was great need of it in Ottawa and for that reason he favored the appointment of a plumbing inspector, whom he believed would soon be appointed. He urged the right of the master plumbers to look after their own interests and declared that if they did not they would be to blame themselves for the evils that might befall them.

Ex Ald. Hill's remarks were peculiarly interesting, in view of the fact that he confessed his conversion to the principle of appointing plumbing inspectors. "I claim that every city should have a plumbing inspector," he declared amid applause. "I was not always in favor of it, because of the expense it would entail, for I believe, and believe now, that if you appoint a man to a position of responsibility you should pay him a proper salary." (Hear, hear, and applause.) "Municipalities," he urged, "should be forced to enact proper sanitary laws." And again was the worthy chairman of the Board of Health applauded.

THE SUPPLY TRADE OF CANADA.

What private griefs they have, alas! I know not!
They are wise and honorable, and will no doubt with reasons answer you. —Shakespeare.

"The Supply Men of Canada" was warmly toasted.

Mr. A. Saunders, of the Goderich Organ Co., was the first to respond to the toast. He said it was a mistake to think, as some seemed to, that the supply men were not in sympathy with the master plumbers of Canada. "The supply men have the kindliest of feelings towards the master plumbers," he declared, "and I am sorry that not more of them are present to-night."

Mr. McAvity Stewart, of McAvity & Co., St. John, N.B., declared that the supply men wanted to do all they could to help the master plumbers along in their association work.

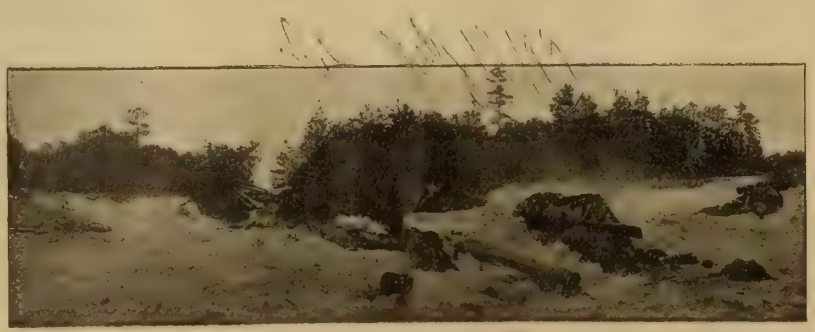
Messrs. Grey, of The James Robertson Manufacturing Co., Montreal, and Mr. Betton, of The James Morrison Brass Manufacturing Co., Limited, of Toronto, also spoke, and declared that the sympathy of the wholesale supply houses was with the master plumbers in their efforts to improve themselves and the sanitary condition of the country.

LOCAL MASTER PLUMBERS.

Be to their virtues ever kind,
Be to their faults a little blind.
—Prior.

"The Local Master Plumbers" was the next toast proposed, and coupled with it were the names of Messrs. John Higman and E. B. Butterworth.

Mr. Higman declared he had, both in Canada



CHATS FALLS, ON THE OTTAWA.

and in England, always taken a deep interest in sanitary matters, and descanted upon the necessity of a plumbing inspector being appointed in Ottawa. Amid applause, he announced that he was one of the oldest



J. LAMARCHE, Montreal. A man who was missed.

plumbers in Canada, having, in this and in the Old Country, served 41 years at the business.

Mr. Butterworth: "I certainly feel very much pleased with the meeting we have had to-day. It was, perhaps, not quite so large as some of the previous meetings, but it is certainly representative of the Dominion. We have in Ottawa one of the oldest local associations in the Dominion. It was organized some 15 years ago; but we have had many ups and downs. Sometimes, we were nearly out of existence. We are at present in as good a position as we have ever been. In Ottawa, there is much plumbing work that is good; but there is also much that is bad. When I was a member of the city council I tried to get an inspector appointed. The bill reached the third stage, when the poor man cry was raised, and it was defeated. Ex-Ald. Hill was one of those who voted against the bill, and I am very glad, indeed, to hear from his own lips that he has been converted." (Laughter and applause.)

Songs were given during the evening by Messrs. J. H. Wilson, H. A. Knox, A. Saunders and —. Dundale, of The Ottawa Gas Co., and Mr. T. McAvity Stewart gave a humorous recitation. Music was furnished by a string band.

Letters of regret were received from City Engineer Galt, Assistant City Engineer Kerr, Medical Health Officer Robillard, Chief of Police Powell, Warden King & Son, Dominion Radiator Co., Limited, (Toronto), H. MacLaren & Co. (Montreal), H. R. Ives & Co. (Montreal).

It was nearly 1 a.m. when the banquet was brought to a close with the usual ceremonies.

SATURDAY SESSION.

President Smith was in the chair on Saturday morning at 8.30 o'clock, but it was not till half an hour later that a quorum was secured, and in the meantime those present engaged themselves in bandying jokes at each other.

"The first thing we had better do," remarked President Smith when a quorum had been secured, "is to appoint a nominating committee."

Mr. Wilson: "I move that the nominating committee be now appointed."

Mr. Watson seconded the motion which was carried.

The President: "I will take upon myself to appoint the nominating committee, and will name Mr. Wilson, of Toronto, Mr. Watson, a good man to represent Montreal, and Mr. Knox, of Ottawa. Use your judgment, gentlemen, and select what will be the very best material."

SUPPLY MEN TALK.

It having been announced that representatives from some of the manufacturing and supply houses were waiting in the anteroom, according to agreement, the sergeant-at-arms was instructed to admit them. They accordingly filed in through the door, headed by Mr Saunders and captained by Mr. Joseph Wright who led them to the front, calling out in stentorian tones as he brought them into line: "Eyes right." Everybody laughed and then applauded.

The gentlemen present representing the supply men were: Messrs. A. Saunders, of The Goderich Organ Co.; Arthur Betton, of The James Morrison Brass Manufacturing Co., Limited, Toronto; — McDougal, of The Smart Manufacturing Co., Brockville; J. Carlind, of The Ideal Manufacturing Co., Detroit; T. McAvity Stewart, of McAvity & Co., St. John, N.B.; — Forbes, of W. Stairs, Son & Morrow, Halifax.

President Smith: "Allow me to welcome you. It is pleasant to see you even if we have not seen the heads of the firms you represent. As we have a great deal of business to transact I would ask you to be as brief as possible in your remarks."

Mr. Saunders said that he had much pleasure, on behalf of himself and other representatives of the supply houses, in thanking the association for the privilege of being present. "As far as I know," he continued, "the best of relations exist between the supply men and the Master Plumbers' Association of Canada. Perhaps some things may have occurred to create friction, but I can assure you the kindest of feeling exists among the supply men towards you. The supply men, as far as I know, are only too willing to maintain that good feeling. As you know, prices are fluctuating a great deal, and it is therefore particularly necessary that there should be a good feeling between you and us. The men who compose the Supply Association are honorable men, and if they are in a position to give you any advantage in prices they will do so."

Then, each of the other representatives was called upon for a few words and each in turn declared all he had to say was ditto to Mr. Saunders' remarks. Mr. Carlind did say five words additional. They were: "I am not an orator."

Mr. Harris: "Mr. Carlind says he is not an orator. That is not true, for yesterday he was able to talk to me for a straight hour in my office on the merits of his goods." (Laughter.)

When none of the representatives of the supply houses besides Mr. Saunders could be induced to speak, President Smith scratched his head and remarked: "Well, gentlemen, I am very sorry I asked you to be brief. Will someone now move a vote of thanks to the gentlemen."

Treasurer Meredith did this, and, in doing so, said: "I have much pleasure in moving a vote of thanks. I hope that in the years to come our relationship will improve. If they protect us, they can get better prices than they otherwise would. I am sure that the gentlemen here are business men enough to see that. I hope and trust that the supply men and the plumbers may become so firmly cemented that heaven



P. J. CARROLL, Montreal. Another man who was missed.

and earth will be unable to move them." (Laughter.)

Mr. Powers: "I second the motion."

President Smith: "I hope this vote of

thanks will be received in the spirit in which it is given. I am, yours truly, the president of the Master Plumbers' Association of Canada."

Mr. Saunders acknowledged the receipt of the vote of thanks, and said that if any grievance existed with the supply men a conference might be held during the day.



Orator Meredith at the banquet: "There are no whiter-winged angels than the master plumbers."

President Smith: "We are appointing a committee to confer with your association, and you will hear from it later. If you will remain a few minutes, gentlemen, we will show you how our machinery for the election of officers works."

NOMINATIONS AND ELECTION OF OFFICERS.

Mr. Wilson then presented the report of the nominating committee.

The nominations for president were Messrs. W. Smith and J. W. Harris.

"It would be a very selfish thing of me to take this office again," remarked Mr. Smith as he jumped to his feet. "I believe the office should pass around. I might say that during my term of office I have made every effort to try and advance the interests of the association. Mr. Harris, the other nominee has worked hard from the commencement of the association, and during the past year he has never failed to render me assistance when I have asked him for it. I realize that I cannot fill the position as well as Mr. Harris can, and I beg leave to resign in his favor."

Vice-President Harris: "I appreciate your remarks, Mr. President. That is, some of them. Some of them I do not very much. I think we have met here to tell the truth. Now, there are some of us here who are not telling the truth. We want nothing but the truth. Our president says that for the advancement of the association and the benefit of the members, he should resign in my favor. It would be the worst thing for the association. He has been a hard worker for the association ever since it was organized. Therefore, I think he should be kept in the office he now holds for another year. It is true that it is not always right to ask the willing horse to do all the work, but, at the same time, we can assure Mr. Smith that we will give him all the assistance we can during the coming year. I insist, and I hope members here will insist, that he remain in the presidency for another term."

President Smith: "I ask as a special favor that you allow me to decline the office."

On motion of Mr. Wright, Mr. Harris was declared elected president amid hearty applause.

Mr. Wilson: "I beg to nominate Mr. Mansell as vice-president."

Mr. Mansell: "I am surprised, Mr. President, at being nominated for the office of vice-president. I was for two years forced into the office of secretary, and I would like to see someone else in this office of vice-president. I would like to see Mr. Meredith fill the office."

Mr. Meredith at that moment entered the hall, and remarked: "I just came in here in good time. I can assure the worthy secretary that it shall not be as far as I am concerned." (Laughter.)

Mr. Harris moved that a ballot be cast for Mr. Mansell. This was seconded by Mr. Butterworth, and carried.

Mr. Wilson: "We nominate for secretary Mr. P. C. Ogilvie, of Montreal."

President Smith: "Here is another hard-working man nominated."

Mr. Ogilvie was not in the room at the moment, and the nomination was quickly approved.

Mr. Wilson: "We beg to nominate Mr. W. H. Meredith as treasurer."

Mr. Meredith: "I can assure the members of the Master Plumbers' Association that it is a grand moment. For the first time in our history we have money enough to meet all our liabilities at the end of our financial year. We can now send a donation to the manufacturers' association to give them a good square meal either in Montreal or Toronto. The incoming treasurer will have no liabilities. I ask that you will excuse me from filling this office."

President Smith remarked that, just as money was deposited in a bank that was known to be safe, so it was well to elect as treasurer a man who had been tried and found satisfactory. "There is no one more capable of handling the money of this association than Mr. Meredith," concluded the president.

Then someone moved that a ballot be cast, and, as the motion was declared carried, the members sang with gusto: "He's a Jolly Good Fellow," while Mr. Meredith, when he had a chance to make himself heard, declared: "Gentlemen, I do not thank you."

Mr. Wilson reported that the nominating committee begged to submit the following names as Provincial representatives on the executive: Ontario, H. A. Knox, Ottawa; Manitoba, J. H. Wilson, Toronto; Quebec, John Watson, Montreal; British Columbia, Joseph Wright, Toronto.

Mr. Powers: "Should not Nova Scotia be represented?"

Mr. Wright pointed out that, in drafting the nominations for the executive, an effort had been made to get the members from as near-by points as possible, with a view to curtailing expenses. That was why he was appointed to represent British Columbia, and Mr. Wilson to represent Manitoba.

Mr. Mansell: "I have much pleasure in moving that the name of Mr. Frank Powers be added to the executive as representing Nova Scotia."

Mr. Wilson suggested that Mr. Powers represent New Brunswick. Mr. Mansell agreed to this, and so did the convention to the motion.

On motion of Mr. Harris, seconded by Mr. Knox, the Provincial representatives on the executive committee were declared elected vice presidents for their respective Provinces.

This brought the elections to a close and the representatives of the supply houses took their departure.

THE TREASURER'S SATISFACTORY REPORT.

Treasurer Meredith presented his annual report, of which the following is a summary:

Receipts—	
Balance from late treasurer	$ 335.09
Received from all other sources	1,164.55
Total	1,499.64
Expenditures	1,329.20
Balance	$ 170.44

Mr. Meredith, on presenting his report, explained that as far as the executive committee knew all liabilities were included in his financial statement, including the expenses incurred in holding the present convention. (Applause.) But as far as the receipts were concerned, they were really larger than they appeared to be in his statement. For instance, there was yet coming from The Bulletin $96.75, which, being due by supply men, they were sure to get. Then, since his report was made up, the Winnipeg Association had sent a cheque for $8. So that the surplus was practically $275.19. (Loud applause.)



He did not join the Association, but gropes blindly by himself.

On motion of Mr. Mansell, the treasurer's report was handed over to the auditors.

Mr. Meredith: "All the associations, I might say, have paid their per capita tax."

PRESIDENT SMITH'S PROVINCIAL ASSOCIATION SCHEME.

President Smith said that when he had brought forward his scheme the previous day for the formation of Provincial associations he had overlooked Article XII. of the constitution. This article read as follows :

All local and Provincial associations when organized will at once notify the secretary of the National Association, giving the names of its officers and members.

"Now, I think," concluded the president, "that we have, therefore, already got the machinery for putting my scheme into motion. Will someone introduce a resolution that will put the machinery in motion?"

It was pointed out that this was unnecessary, as a committee had been appointed the previous day to consider the matter.

Just then Mr. Ogilvie advanced and presented the report of this special committee. He said : "Your special committee recommends that a committee be appointed to consider formation of Provincial associations, the said committee to report to the executive committee."

On motion of Messrs. Wilson and Higman, the report was concurred in.

Mr. Mansell moved that Messrs. W. Smith, J. W. Chambers, and E. R. Russell be a committee to consider and report upon the scheme re Provincial associations. In doing so, he said : "We are only following in the tracks of our friends across the line, who found they could not get along without the aid of State organization."

Mr. Higman seconded the motion, which was carried.

On motion of Mr. Powers, the treasurer was authorized to pay $10 for rent of hall in which the convention was held.

It was only just at this stage of the session that Mr. Ogilvie learned of his election as secretary, and having caught the eye of the president he said : "During my absence you elected me to the office of secretary. I do not feel qualified to fill the position. I am in favor of appointing a paid secretary, and I think you should have appointed such. We are all business men and scarcely have time to look after the amount of work that the office entails. I thank you, however, for the honor you have bestowed upon me."

President Smith : "What you say is very nice, but I think it would not be fair for the association to refuse to give you the opportunity to show what you can do."

Everybody laughed, and Mr. Ogilvie, seeing it was no use protesting, took his seat.

On motion of Messrs Harris and Powers, the following were appointed a committee to report at the next convention upon the question of continuing the publication of The Official Bulletin, and also in the meantime superintend its publication : Messrs. J. Wright, W. Mansell, and W. H. Meredith.

THE NEXT PLACE OF MEETING.

President Smith : "Where shall our next meeting be held?"

Mr. Watson : "I move that the next meeting be held in Montreal."

Mr. Harris ; "I second the motion."

Treasurer Meredith : "I have much pleasure in mentioning the city of Toronto, and I am sure that if the gentlemen come to that city they will be given a good reception. While we have met in Toronto since we last met in Montreal, yet, this year, we have come to Ottawa, a place where, if we were to fall over the bank of the river, we would be in the Province of Quebec." (Laughter.)

Mr. Wilson seconded Mr. Meredith's motion.

Mr. Powers : "I move that our next convention be held at some central point in the Maritime Provinces."

Mr. Knox : "I second the motion."

Mr. Ogilvie : "While we all would like to hold our convention in Halifax, I am afraid the association cannot afford the expense, as the cost would be enormous."

Mr. Powers : "I did not expect to carry this motion ; I merely threw it out as a feeler, hoping that I might carry a similar motion some other year."

Mr. Watson : "We would all like to go to Halifax, but, if we did go there, I am afraid that Mr. Meredith, who has been so successful in building up a surplus, would weep at the thought of his surplus vanishing. The reason I moved my motion was that I consider it would be a great help to our organization to hold the convention there. As far as Toronto is concerned, we know that the associations in Ontario are working well. The same cannot be said of those in the Province of Quebec."

Mr. Knox : "I favor Montreal, but merely seconded Mr. Powers' motion in order to bring the matter before the association."

Mr. Harris : "We remember the time we had in Toronto, and that is the reason we want the next meeting held in Montreal. We want to see if we cannot do as well as Toronto did two years ago."

Secretary Mansell : "I am glad to hear the remarks of Mr. Harris, because it shows they have not forgotten Toronto. What we did last time is only an indication of what we will do the next time the convention is held in Toronto. I sympathize with Mr. Powers and would like to see the convention held in Halifax, but I hope the members will support Mr. Meredith's amendment."

All the resolutions were voted down except Mr. Watson's, which was carried by a large majority, and subsequently made unanimous. The date for holding the convention was left to the executive committee.

Mr. Chambers presented the report of the auditors, certifying to the correctness of the treasurer's books. The report, on motion of Messrs. Wright and Butterworth, was adopted.

The duty of escorting the new officers to their respective positions was then taken up, President-elect Harris being escorted to his position by Mr. J. H. Wilson, who carried a large battle-axe on his shoulder.

On ascending the dais, the newly-elected president said : "I must, in the first place, thank our worthy ex-president for the good work he has done during the past year, and I feel sure that he will not refuse to give me all the help he can during my term of office. There is a great deal of work to be done, and I do not feel that I can do as well as I should like, but I can assure you, I will do my best, even if I do not please everyone. If, however, I do not do right, the onus is upon you, for you put me in this position. I told you before I was elected that I was not the right man for the position. Allow me, however, to thank you very much for the honor you have bestowed upon me by electing me to the presidency of this association. I hope that, during the coming year, we shall all enjoy good health and that we shall do good work, and what I mean by good work is the raising of our craft into a better position. We must get better prices. There is no question about that. We do not want to rob the public. All we want is to make a fair living." (Applause.)

Mr. Mansell was then deputed to escort the new secretary to his desk.

"I was not aware," said Mr. Ogilvie, as he took his position at the secretary's desk, "that I was to have been elected secretary or I might have been here and prevented it. I was induced to go for a car ride, hence my absence. I don't know whether it is a put up job or not. I thank the members, however, for the confidence they have placed in me, although I think their confidence is misplaced." (Cries of No, no.) "It is no use objecting now, however, and I shall fill the office as best I can."

Past President Smith was called upon to escort Vice-President Mansell to his position.

"I came here," said Mr. Mansell," quite unprepared for the honor which you have conferred upon me. I was in office during the past two years against my will. I hope that you will be disappointed in electing me to the office of vice-president. I leave myself in your hands to say at the end of next year whether or not your confidence was misplaced."

Mr. Meredith was then escorted to the treasurer's desk by Mr. Higman.

"I thank you very much," he said, "for again placing me in this position. I am proud of our financial position, and I hope at the next convention to be able to report a still better condition of affairs. May God be with you till we meet again," concluded Mr. Meredith amid the laughter of the delegates.

A vote of thanks, moved by Mr. Meredith and seconded by Mr. Wright, was conveyed to the Ottawa association for its efforts in arranging for the meeting of the convention.

On motion of Messrs. Meredith and Powers, a special vote of thanks was tendered to HARDWARE AND METAL.

After the transaction of some minor business, the convention closed at 12.05 p.m. amid cheers and other exhibitions of enthusiasm.

THE NATIONAL ASSOCIATION'S NEW PRESIDENT.

J. W. Harris, the newly-elected president of the National Master Plumbers' Association, is a member of the plumbing firm of Lessard & Harris, Craig street, Montreal. Mr. Harris was born in Buffalo, N.Y., in 1865, and came to Montreal when 7 years old.

When 18 years old he took a three-years' commercial course at Jacques Cartier Normal School. He then went to Chicago and learned the plumbing and heating business. A few years later he came to Montreal and became manager for Brodeur & Lessard. At the end of five years Mr. Brodeur retired and Mr. Harris became a partner. He has now been a member of the firm for 11 years.

Mr. Harris has invented and patented the "Aeolian" ventilator, the expansion conductor pipe, the "Anti Syphoning" trap, as well as a special system of ventilation for buildings.

Mr. Harris is also a mechanical engineer, having passed a successful examination last year before the Provincial board. He has always been a large contractor. The plumbing and heating in some of the largest buildings in Montreal have been done by his firm. Among the many may be mentioned Laval University, Monument National, Great North-Western Telegraph Company, Westmount town hall and the city hall, Montreal.

Mr. Harris has always taken a great interest in the Master Plumbers' Association, and has been an officer since its formation, in 1896. Last year he was elected vice-president, at Quebec.

J. Higman, of Ottawa, was the oldest plumber at the convention. It is 41 years since he began to wipe joints.

CONVENTION NOTES AND INCIDENTS.

A SHOCKED DELEGATE.

F. POWERS, of Lunenburg, is a rich man. He owns the Parliament buildings. At least, he says he does, but he is shocked at the way his tenants are conducting themselves.

"I went up to the House last night while it was in session," he said, "and do you know, the first thing I heard was that man Foster accusing my caretaker, Laurier, of being a thief."

THREE PLUMBERS WENT FISHING.

One morning during the Ottawa convention (what morning it was need not be mentioned) three plumbers went out to Aylmer to fish; and thereby hangs a fish tale. Mr. Smith, one of the three, hooked a fish. It was a large one, but as to how large it was there is some dispute, which, up to the time of going to press, has not been settled. Mr. Smith says it was about "that long." And, as Mr. Smith can stretch his arms about 5 feet 11 inches, some idea may be gathered as to how long "that long" means. At any rate, it took three men to land the fish, and a fourth, a native, to stand by and give instructions. J. W. Chambers says that the length of the fish was due a great deal to the stretching it got while being pulled through the water by the sturdy fishermen. And Mr. Chambers is a man of veracity, even on matters fishy. Mr. Smith says he could have landed the fish himself had he had a clothes line, for it was nothing to the fish he had caught at Port Stanley.

SHOOTING THE WATER CHUTE.

On Saturday evening, a party of the visiting delegates were escorted to the Queen's Park, Aylmer, Que., nine miles distant, by Messrs. McKinley and F. G. Johnson, of the Ottawa Association. The sun was just setting as the party sped up the right bank of the Ottawa river on the Hull electric railway, and the trip was a delightful one. There were in the party, besides the Ottawa men, Messrs. Joseph Wright, J. H. Wilson, W. Mansell, Timothy Christie, J. W. Chambers, W. Smith, W. H. Meredith, A. Betton, A. Carlind, F. Powers and John Watson. Everyone made up his mind to have a good time, and he had it. Mr. Wright was the leading spirit in the search for entertainment, and Mr. Meredith proved an able lieutenant. Everybody had to shoot the water chute, and he who hesitated to make the exciting trip was bundled into one of the boats, to come out at the other end often well sprinkled with water, but glad, rather than sorry, that he had made the venture. An impromptu cake walk was also gotten up, in which the older men outclassed the younger. The merry-go-round was not forgotten, and the honor of being the best rider was equally divided between Messrs. J. W. Meredith, of Toronto, and F. Powers, of Lunenburg, N.S., who rode neck-and-neck on miniature mules. It was a royal time that the delegates had at the Queen's Park.

NOTES.

"Was Lord Minto invited to the banquet?" asked a delegate.

"I don't know, but they 'Minto' have asked him," replied President Meredith.

An "Ideal" trap, manufactured by The Ideal Manufacturing Co., of Detroit, was set up in the convention hall. The delegates were much interested in the trap as it was explained by Mr. Carlind, the representative of the company.

If the Ottawa plumbers are as good plumbers as they are good fellows, they must be pretty near the ideal.

Mr. Joseph Wright is able to play as well while he is out as he is able to do business when at home.

Dr. Christie sounds as well as Plumber Christie, but it took Timothy Christie, of Montreal, years to earn the latter title, but the former he earned in a few minutes on Saturday night.

Mr. Joseph Wright took the delegates, their friends and the ladies for a street car ride on Saturday afternoon, but the power got awry, and at Sussex and Rideau streets the delegates had to get out and push the car along.

W. H. Meredith was both the orator and the punster of the convention.

T. McAvity Stewart's "wooden" arm is all right.

J. H. Wilson stuck to the "boys" through business as well as through pleasure.

The Western Ontario delegation reached Smith's Falls about 5 o'clock on Friday morning; a brakeman put his head in the "sleeper" and called Smith's Falls, modulating his voice on the word "Falls." President Smith rubbed his eyes, and, as he rolled out of his berth called out "all right." He hurriedly dressed. When the other delegates arose after the car reached Ottawa, Mr. Smith was not to be seen. But they found him up town. The mystery now is. how did he reach the capital first?

Did you shoot the chute?

A surplus of $275! Well done, good and faithful treasurer.

Mr. Frank Powers, of Lunenburg, N.S., who represented Halifax, was a new face at the convention, but he made a most favorable impression, and is destined, if the members are allowed to have their way, in filling important offices in the organization.

Treasurer Meredith could be quite aptly termed a young Napoleon of finance, the treasurer's report, for the first time in the history of the association, showing a surplus.

HEATING AND PLUMBING

PLUMBING AND HEATING CONTRACTS.

THE John Richie Plumbing and Heating Co., Limited, Toronto, have contracts for heating and plumbing A. A. Allan's large residence on Sherbourne street, the new warehouse for Gowans, Kent & Co., on Front street east, and for the National Trust building on King street east.

Mashinter & Co., Toronto, have contracts for plumbing in public schools on Leslie and Hamilton streets and Rose avenue, in the Orphan's Home, and in C. S. Gzowski's office building at 46 and 48 Bay street ; for plumbing and heating in residences for James German, Scarth road, for W. H. Banks, 1209 Queen west, for W. Monteith, Starr avenue, and for D. A. Coulson, Woodlawn avenue ; for hot water heating in a residence for Dr. J. Fitzsimmons, Toronto ; for plumbing and heating in the Southern Loan and Savings Co.'s office building in St. Thomas, Ont., and for hot-water heating in D. S. Perrin's residence in London, Ont.

MASTER AND MEN AGREE.

SOME weeks ago, an organizer of the Journeymen Plumbers' Union, from the United States, visited Toronto, agitating that the journeymen of that city should ask (and, if not getting by asking, should strike) for higher wages.

After he had been in Toronto a short time, he gave to the local press a statement that journeymen plumbers in Toronto were working for $1.60 per day, while in the United States from $2.50 to $4 per day is paid.

This statement was incorrect, the minimum union rate of wages in Toronto being 25c. per hour.

Another result of the agitator's visit was a request from the journeymen's association to the masters' association, asking the appointment of a committee to confer regarding a new rate of wages.

Messrs. James Wilson, Joseph Wright, W. J. Maguire and W. Mansell were appointed as the masters' committee.

Several conferences were held. The journeymen at first made a request for a minimum of 35c. per hour and an eight-hour day, with a half-holiday on Saturday. The masters decidedly refused to meet these views, but after fair and reasonable discusssion both parties accepted an agreement comprising the following clauses :

During December, January, February and March, the day shall be from 8 a.m. to 5 p.m. During the other eight months the day shall be from 7 a.m. to 5 p.m.

Overtime on Saturday afternoon shall be paid at rate of time and a quarter ; between 5 p.m. and 7 a.m., and on statute holidays, time and a half ; Sunday, twice the usual time.

The minimum rate of wages shall be 25c. per hour. All employes now receiving 25c. per hour or more are to receive an advance of 2½c. per hour, the advance dating from May 4.

All time spent traveling to or from out of town work to be paid at usual rate of wages.

All expenses for board and traveling while on out of town work to be paid by employer.

No plumber, gas or steamfitter shall perform any labor not pertaining to his trade, or put in any material for other than his employer, who shall be a bona fide master plumber.

All grievances are to be referred to a committee composed of members of each association.

The agreement has been signed by James Wilson, president of the Master Plumbers' Association, of Toronto, and by Frank Maxwell, president of the Journeymen Plumbers' Association, of Toronto.

PLUMBING AND HEATING NOTES.

Roy & Daoust, architects, Montreal, have dissolved.

A new Methodist church is being erected at Freelton, Ont.

The stock of French & Herley, plumbers, Halifax, is advertised for sale.

Plans for the new wing to the Toronto Isolation Hospital have been approved.

J.D. Ritchie has been appointed secretary-treasurer of The Toronto Steel Clad Bath Co. This firm has at present in the printer's hands its 1899 catalogue, which will likely be sent out to the trade this month.

Building permits have been issued in Toronto this week to S. H. Janes, for alterations to the interior of 14 and 16 King street west, to cost $8,000; to Mrs. A. J. Townsend, for two brick residences near Yonge street, on the south side Crescent road, to cost $4,000 ; to Lewis Luke, for alterations to 502 Huron street, to cost $1,000.

SMEAD-DOWD SYSTEM IN TORONTO

Since A. McFarren, a Toronto property holder, instituted proceedings against the Toronto School Board, and had that body fined for not complying with the city by-laws in putting the Smead-Dowd system in the public schools, there has been considerable interest taken in the plumbing of these institutions. Mr. McFarren recently wrote to the Toronto council asking that the medical health officer be compelled to see that the city plumbing by-laws be carried out, or that he be dismissed.

This letter was referred to the city board of health. This body met on Wednesday. Dr. Sheard, the medical health officer, in answer to the letter, stated that he had advised the board to move in the matter before Mr. McFarren commenced his action, but did not force action, preferring to wait until the schools had closed for the mid-summer vacation. He believed the technical verdict obtained by Mr. McFarren in his appeal to Judge McDougall would be sustained in the higher courts. The schools were now closed, and he understood that the school board had, under his advice, awarded contracts for the substitution of automatic flush closets where the Smead-Dowd system was now used.

In the short discussion following, the Smead-Dowd system was strongly condemned by some of the members of the board, and the medical health officer was instructed to prepare a report on separate outbuildings.

MOUNT FOREST WATERWORKS.

Mount Forest is extending its waterworks system by 4,500 feet of extra mains and hydrants. The contract has been awarded to J. P. Noonan, of Mount Forest. When the work is finished, Mount Forest will have a pretty complete waterworks system for both fire and domestic supply.

A CATALOGUE OF PLUMBERS' SUPPLIES.

The Booth Copper Co., of Toronto, Limited, are sending out to the trade copies of their 1899 catalogue. This work comprises 65 pages of illustrated matter descriptive of the wares manufactured or imported by this firm. Their list of hot-water and steam boilers, pantry sinks, water balls, water heaters, etc., will prove specially interesting to plumbers ; but their list of confectioners', brewers', and distillers' copper work will prove of great value to

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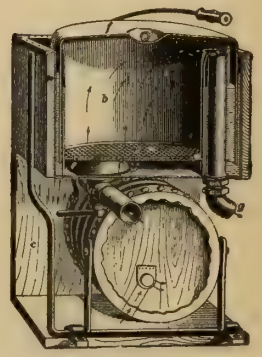
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any plumber or hot-water fitter having work to do with any of these classes of goods. Plumbers who have not received a copy of this catalogue should write to 123 Queen street east, Toronto, for one.

FREE BOOK ON RADIATION.

A new catalogue on radiation has been issued by The Dominion Radiator Co., Limited, of Toronto. It contains several specially unique applications of the radiator and many new styles of radiation. Instructions are given as to how to pipe the latest systems for steam and hot-water heating as applied to large buildings, and contains much information on heating in general. A copy of this catalogue will be furnished free on application.

OPENED A BRANCH IN TORONTO.

The Ideal Manufacturing Co., of Detroit, have opened an agency in Toronto under the management of A. D. MacArthur. The office and sample-room is at No. 50 Colborne street, where samples of the company's low-down combinations can be seen under water.

TORONTO'S BIG HOTEL.

The Toronto board of works, which met on Wednesday, approved and sent forward to the city Board of Control a report from Assessment Commissioner Fleming, dealing with the proposed extension of Victoria street. The report advises that, on condition that the proposed million dollar hotel be erected, Victoria street be opened from King to Colborne streets. This will cost $80,000. The city is to pay half this sum, the rest to be paid by property-holders on King, Colborne, Wellington, Front, and Esplanade streets, between Yonge and Church, and on the new portion of Victoria street.

IRON PIPES AND ALTERNATING CURRENTS.

Now that metal tubes are becoming so extensively used for electrical wiring work, a few words of warning in regard to the disposition of the wires inside may not be out of place. If a single wire conveying an alternating current be run by itself in an iron pipe, the effect will be to cause an actual diminution of pressure of current in the wire, this diminution being proportional to the length of wire and tube and the strength of current. If, in a large installation, the main distribution board and the meter were some distance apart, and the cables connecting the two were placed in separate iron pipes, the pressure at the distribution board would be perceptibly less than if the cables were run side by side in one pipe. The explanation of this effect is that the presence of the iron increases the self-induction (or inductance) in the circuit, and leads to a corresponding loss or fall of volts. If the piping or conduit be of other metal than iron there will be no effect of self-induction, but there will be a slight loss of energy due to the setting up of induced currents in the tubing. When cables or wires connected with the opposite poles of the system are led side by side in the same pipe they annul each other's effect, and there is no disturbance due to the presence of the pipes. Such also is the case when a wire is looped to a fitting or switch. On direct-current systems, of course, there are no drawbacks attending the placing of single wires in pipes should it be necessary to do so.—Ironmonger.

DEATH OF A HARDWAREMAN.

Mr. Nelson Willard, one of the best-known hardwaremen in eastern Ontario, died on Friday, June 30, after a brief illness, at the residence of his brother, Mr. Harper Willard, Prescott, Ont. The deceased gentleman was in his 58th year, and conducted business on Water street for the past 34 years, succeeding his father in 1865. Mrs. Dr. Constantinides, of Toronto, Miss Laura Willard, and Mr. Harper Willard, of Prescott, survive him. The funeral will take place on Sunday afternoon.

TRADE IN OTHER COUNTRIES THAN OUR OWN.

THE American Glass Company have withdrawn the 5 per cent. rebate on single and the 10 per cent. rebate on double strength glass which they have made to qualified buyers, which is equivalent to an advance in price to the large trade. It is reported, according to Iron Age, that there is a growing demand for glass throughout the country and that higher prices are possible. New York jobbers continue selling at former quotations of 80 and 20 per cent. discount for small lots of glass and 85 per cent. discount for carloads, with light demand.

TINPLATES IN THE UNITED STATES.

In the tinplate industry The American Tinplate Company have offered to pay an advance equivalent to that paid by the manufacturers of sheets. This amounts to about 11 per cent. The officers of the Amalgamated Association, not having the usual discretionary power to accept less than 20 per cent. advance asked, have referred the offer of the manufacturers to the several lodges for a vote. This will lead to a stoppage of at least a week or ten days. It is not believed that a prolonged idleness is likely.—Iron Age.

NEW YORK METAL MARKET.

PIG TIN—There was not enough business or negotiation to fairly test the market. In fact, nothing was done outside of filling small out-of-town mail orders. No arrivals were reported, however, and the little business that went through was at about 26⅝ to 26¾c. Lots of five tons or more were 26½c., nominally.

COPPER—Nothing in the way of new feature came to the surface. Business was almost at a standstill, owing to the holiday interruption, and sellers generally quoted the same prices that prevailed at the close of last week, but business at any advance on the inside figures is, as yet, very much the exception. The range quoted is 18¼ to 18½c. for Lake Superior ingot, 17¼ to 17½c. for electrolytic bars, etc., and 17 to 17¼c. for casting stock.

PIG LEAD—A very steady market, with complete absence of new feature, covers all that there is to report on this metal. Consumers are buying fairly, but seemingly not much in excess of immediate needs, and dealers' purchases are moderate. However, the market retains quite firm tone, with prices standing at 4.45 to 4.50c., according to delivery and quantity.

SPELTER—The position of the market is unchanged. Stocks here remain very light, and dealers ask 6¼c. upward for what they have to spare for spot delivery. Early shipments from the West are also firm at about 5.80 to 5.85c., delivered here, and later shipments are only a fraction cheaper. The Western market has advanced about 15 to 20c. per 100 lb. during the week.

ANTIMONY—The market for regulus remains firm though quiet, with prices at from 10c. for ordinary brands up to 11c. for Cookson's.

TINPLATE—Buyers are operating in a very conservative way. The majority are getting fully ample supplies from deliveries on old contracts, and seem indifferent about later needs since distribution is slow. Prices remain without change of importance.

IRON AND STEEL—All varieties of pig iron are very firm and the demand, while somewhat irregular, is still much better than usual at this season of the year. Inquiries for export are still numerous, but difficulties with freight charges along with present high prices for iron restrict business more or less.

Old material is firm at unchanged prices, with desirable stock comparatively scarce in this neighborhood.

All lines of manufactured steel and iron are quoted very firm at top prices, but new business is momentarily rather slow.—New York Journal of Commerce, July 5.

DROP OF £3 IN SPELTER.

Rudolph Wolff & Co., London, report that during the week ending june 24 the price of spelter again dropped sharply, but the lower quotations brought in many consumers' inquiries, which, have, however, generally not resulted in business. From all reports consumers are now running very short of metal, and in many cases can scarcely wait for the turn of the half-year. Prices have now dropped nearly £3 during three weeks, and, as none of the producers on the continent will sell under the equivalent of £27 10s., it would seem that the fall has been unnecessarily accentuated in this market. Remelted spelter continues quiet and hard is very difficult of sale.

THE IRON SITUATION.

An advice from Pittsburg says: There has not been very much new business in Bessemer pig iron the past week, but the firmness which has characterized the market for some time past continues, and there has been a further advance in prices. Sales reported at $20 Pittsburg and $19.75 Valley furnace, which would be equal to $20.50 Pittsburg, with cost of transportation added. Mill iron has advanced fully $1 per ton during the past week, with sales at $17 up

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to $17.75 Pittsburg. Foundry irons are also considerably higher.

There appears to be no abatement in the demand for muck bars, and notwithstanding all the old-time mills in the country, some of which had been standing idle for a number of years, have been started up.

In regard to finished material the general situation is much the same as reported for some time past; there appears to be no abatement in the demand, many of the mills are sold up for the rest of this year and prices continue to advance in sympathy with enhanced cost of pig iron, as well as labor and transportation. Notwithstanding the sharp advance in prices there is considerable export business.

The wrought iron and steel pipe mills are rushed with business, and those manufacturers who can make anything like prompt deliveries have no trouble in getting outside prices.

There has been little new business in Bessemer steel billets, which may be quoted at from $34 to $35. The last sale of sheet bars reported, one week ago, was at $34, but it is not likely that any more could be obtained at that price—$35 to $36 better represents the market. As in the case of billets, the mills are all sold ahead, and, as they are nearly all owned or controlled by a syndicate, there is not much for an outside buyer. Rails are still quoted at $28 to $30 at mill here, or from $4 to $6 per ton below Bessemer steel billets.

ADVANCING IRON PRICES.

Bessemer iron is now quoted at $20, Pittsburg, an advance of $9 since January 1. The fact is most significant, for many shrewd observers were of the opinion a year ago that $20 iron would not be seen in this country again for some years. That there will be a further advance in quotations is not unlikely, for the demand is wholly unprecedented, and is exhibiting a steadiness most gratifying to producers. In the meantime consumers are in no position to complain, for the prices of nearly all finished products have advanced with equal step. With the exception, perhaps, of the foundry trade, which has not profited as much as other branches of the iron industry, there is no reason to suppose that the advantages of the situation have not been shared generally. It is an object lesson of the plainest sort that the sharpest advances in price are not always attributable to the so-called trusts. That these may and sometimes do cause higher prices is not to be denied, but we have here a notable instance of the fact that they are sometimes as helpless in the control of prices as any individual operator. To blame even the iron and steel trusts, so-called, for the present extraordinary condition of affairs is connecting two things that are far apart. —American Manufacturer, June 30.

THE ORIGIN OF FIREPLACES.

The fires in early times were, remarks an exchange, without doubt, logs of wood heaped together and lighted upon the hearth. Over this fire probably the pot was affixed which contained the meal to be cooked. As the knowledge of the use of metals increased, men found that by arranging these logs of wood forming the fire on bars above the ground, a bright fire was the sooner obtained. Hence the arrangement of the andiron, which was originally simply a bar of iron placed across the hearth, supported on blocks of stone or burnt clay, across which and resting on them the logs were placed. Gradually an upright standard in front, and a leg formed out of the crossbar at the back, removed the necessity for the stone block or clay lump, and the complete andiron became a regular addition to the fireplace. Perhaps the oldest form of andirons known were found at Colchester, and at Hartlip, in Kent; they are of very simple construction, though with a little attempt at ornament in the top of the two standards; but as men grew more skilful in the working of iron, they showed their skill in the making of useful things in the house, making them ornamental as well as useful.



"American Customs." (New York Life.)

REVIVAL OF CHARCOAL IRON MAKING IN ONTARIO.

AFTER an interval of about half a century, the Province of Ontario once more has a charcoal iron industry within its borders, the furnace of The Deseronto Iron Company, Limited, at Deseronto, having now been in successful operation for nearly five months, writes W.M.B. in Iron Age. This furnace has been established at Deseronto by Detroit iron manufacturers, encouraged by The Rathbun Company, the local company who control the leading industries of the town. Deseronto is a town of 3,000 or 4,000 people, situated on the beautiful Bay of Quinte, near the eastern end of Lake Ontario. The furnace is built on the water's edge, a little to the west of the town, in an admirable position both for receiving and shipping by water or rail. A trestle-work extends to water sufficiently deep for the approach of vessels laden to the full depth which permits of passage through the Welland canal, which connects Lake Ontario with Lake Erie. This enables the company to use Lake Superior ores and bring them direct from the shipping ports on Lake Superior to the furnace about as easily as the same ore can be taken to Cleveland or Buffalo. The freight rates would probably not be as favorable, as vessels drawing more than 14 feet of water cannot pass through the Welland.

The company use ores from the Lake Superior region exclusively. The low prices of these ores, together with their known qualities and richness, the facilities for transportation and the fact that no import duty is imposed, are advantages which, for the present at least, overbalance the bounty inducement offered by the Provincial Government for the use of Ontario ores.

In the matter of fuel, there are probably few, if any, places on the continent where a long continued supply of charcoal can be more cheaply obtained in large quantities than at Deseronto. Charcoal may be considered a by-product of the Standard Chemical Company, of that town, which company have guaranteed to meet all the requirements of the iron company for this class of fuel, at a figure, of course, below Detroit figures. This section of Ontario being a limestone region, the fluxing material required is easily obtained.

The furnace produces iron adapted for car wheels, malleable castings and machinery, and a high silicon iron for ordinary foundry use.

The market for the iron is, of course, chiefly in Western Ontario, the duty of $2.50 per short ton and the Dominion bounty of $2 per short ton on pig made from foreign ore enabling the company to successfully compete with American iron at any point, and they have an advantage in freight charges in the Western market over their Canadian competitors in this class of iron. The probable completion this summer of the deepening of the St. Lawrence canals to 14 feet will also give the company the same facilities for shipment by water to tidewater points that they now possess to the upper lakes.

The furnace plant is admirably laid out and well built and equipped. The height of the stack is 61 feet, with a bosh diameter of 9½ feet. The iron pipe stoves were brought from one of the dismantled Detroit furnaces. The capacity of the furnace is about 1,000 tons of pig monthly. Work was commenced on the plant in May, 1898, and the furnace was blown in January 25, 1899. Wm. Gerhauser, of Detroit, is president of the company, and F. B. Gaylord is secretary, treasurer and manager.

There are prospects of the Deseronto furnace soon having a competitor at Midland, a port on the Georgian Bay, and a point well situated like Deseronto for receiving or shipping by rail and water. Using Lake Superior ores, it would have a much shorter distance to bring them in any size vessel that can enter the harbor, while the country to the north and east can supply wood for charcoal for many years to come. The pig iron bounty encouragement for Canadian furnaces is to be gradually reduced from April 23, 1902, and to cease on June 30, 1907. So far as quantity is concerned, the present Canadian furnaces are well able to supply the home demand for charcoal iron.

A BRIGHT IDEA.

Enterprise is what is needed in the present day, if the merchant in hardware, or any other lines, is to progress, remarks Stoves and Hardware Reporter. No amount of energy, effort and ingenuity are spared to increase business and get people into the store, for it is generally admitted that, once they are induced to enter, the great majority of them will see something they want and purchase it. An idea which an enterprising western merchant successfully carried out was unique and striking to the last degree. The occasion was a singing contest for which two prizes were offered. The contest was limited to children and there was a great number of contestants. The boy's prize was a watch and the girl's a lawn swing. A local composition, set to the tune of "Marching Through Georgia," was the test song. As a result of this scheme of the merchant's the store was crowded to overflowing, the eager listeners crowding the sidewalk as well, in order to get a glimpse and catch a note of the performance going on within. Now, a store could not have a better advertisement than this. People soon form a high opinion of its progressiveness, for they are pleased in every way by the diversion and the evidence of generosity,

A CONDEMNED RAZOR.

A RAZOR was returned to the hardwareman by a fellow who shaved only once a week, and who reported that the razor was soft and utterly useless. The hardwareman took it back without entering into any argument, as he feared the man might refuse to buy a pound of tenpenny nails or a fish hook if there was any dispute over the razor, and he didn't like to razor row that way, and thereby lose a valuable customer. The razor soon found itself in a drawer, where other condemned tools were kept. That night the whetstone and razor strop, who had seen the razor thrown into the drawer, put their heads together, and decided to encourage the razor to try again. They went to the drawer, and one of them said: "Friend razor, you have been abused and not given a fair show. That gap in your keen edge was never made on the face of any man, no matter how hard his cheek. The fellow who returned you used you for a corn knife among other things, and when he found you were dull he had no idea how to bring you up—to an edge. We are going to take you from your condemned associates and put you in prime order and then return you to your showcase." It was not long after this that the condemned razor was sold to a wealthy man, who, after using it a while, came to the hardwareman and said: "I wish to thank you for selling me that razor. It is the best blade I ever owned, and I wouldn't take $100 for it."

If, when we found some poor fellow who was discharged because he was thought to be worthless, we assisted him to brace up and try again, many a man might become a useful member of society who otherwise would go to the dogs.—Iron Age.

HE DIED BY INCHES.

A crank came running into the office of a Montana paper and said that a man had just swallowed a two-foot rule and died by inches. The editor started out at once to learn further particulars of the death, and, meeting a doctor, told him about the case. The doctor said:

"Pshaw! that's nothing; I once had a patient who swallowed a thermometer, and died by degrees."

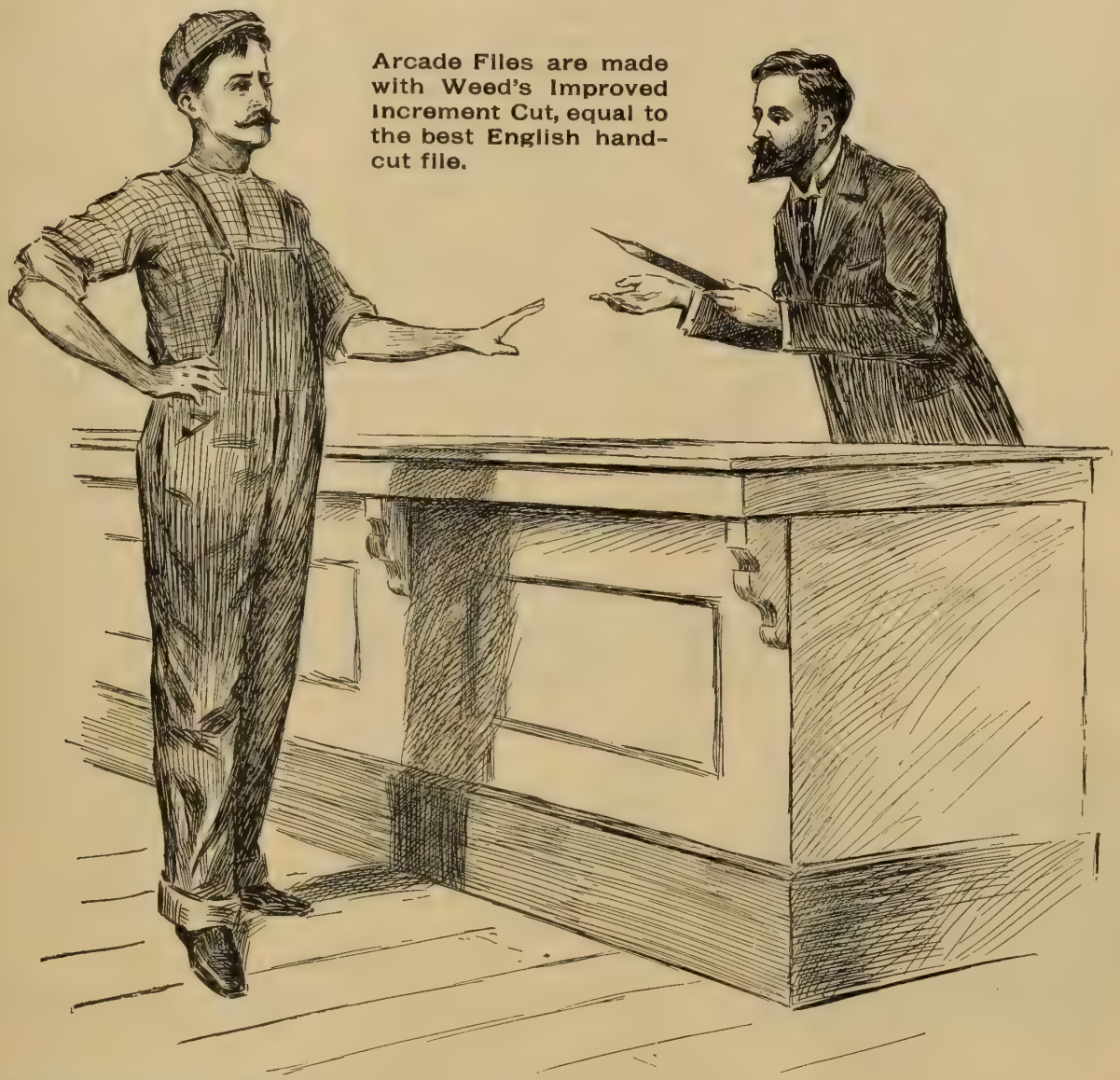
A couple of bystanders then chipped in. One of them said it reminded him of a fellow down in Kansas who swallowed a pistol and went off easy. The other one said he had a friend who took a quart of applejack and died in good spirits.

The WORLD'S GREATEST FILE WORKS

ESTABLISHED 1842.

There is no other file "just as good."

THE ARCADE IS THE BEST



Arcade Files are made with Weed's Improved Increment Cut, equal to the best English hand-cut file.

"I want an ARCADE file."
"We are all out of ARCADE files. Try this; it is just as good."
"No, Sir. I want the ARCADE. It cuts faster and wears longer than any other file made."

THE ARCADE FILE WORKS

NEW YORK:
97 Chambers St.
SAMUEL W. ALLERTON,
President.

Works: ANDERSON, IND.
COURTLANDT C. CLARKE,
Sec. and Treas.

CHICAGO:
118 Lake Street.
ALFRED WEED,
Vice-President and Gen'l Mgr.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL July 7, 1899.

HARDWARE.

THERE has been a fair week's business noted in general hardware, but no striking feature is to report and prices all round rule about as last reported. The main movement has been in screws, bolts and nuts and seasonable lines of summer goods, such as ice cream freezers, etc,

BARBED WIRE — There is practically nothing doing in barbed wire, and the price is unchanged at $3 f.o.b. here.

SMOOTH STEEL WIRE — A fair trade is noted in smooth wire, and the base price remains firm at $2.60 f.o.b. factory points.

FINE STEEL WIRE—Without feature, with discounts 25 per cent.

GALVANIZED WIRE — Business in this article is fair, and values are firm on the basis of $3 for No. 9.

BRASS AND COPPER WIRE—As last reported, with discounts 50 and 2½ per cent. on brass, and 45 and 10 per cent. on copper.

FENCE STAPLES—A fair movement is maintained in these, and prices are steady. We quote: $3.05 for bright and $3.65 for galvanized per keg of 100 lb.

OTHER STAPLES—Without new feature. Discounts are: Cooper, 55c.; poultry netting, 45, and electrician, broom, bed, etc., 40 per cent. off.

WIRE NAILS—There is a moderate movement and prices are unchanged, at $2.65 to $2.70 nett with miscellaneous nails 75 and 5 per cent. off list.

CUT NAILS — The same remarks apply to this line. We quote: $2.15 per keg f.o.b. Montreal, Toronto, Hamilton, London and St. John, N.B.

HORSE NAILS—Nothing special to report in these. Discounts, 50 per cent. on standard and 50 and 20 on Acadia.

HORSESHOES—Trade continues quiet. We quote: Iron shoes, light and medium pattern, No. 2 and larger $3.40; No. 1 and smaller, $3.65; snow shoes, No. 2 and larger, $3.65; No. 1 and smaller, $3.90; XL steel shoes, new light pattern, No. 2 and larger, $3.65; No. 1 and smaller, $3.90; feather-weight, all sizes, Nos. 0 to 4, $4.90; and toe weight steel shoes, all forward, all sizes $6 f.o.b. Montreal, St. John, N.B., and Halifax, N.S. Delivered f.o.b. in Toronto, Hamilton, London and Guelph 10c. per 100 lb. extra.

TACKS — Without change. We quote: Carpet tacks, blued or bright, for 6, 8 and 10-oz. assorted, $4 per gross, with 45 per cent. off; tinned do., $6 per gross with 45 per cent. off.

SCREWS—There is still a fair inquiry for these. Discounts are: Flat head, bright, 82½ and 5 per cent; round head do., 75 and 5; flat head, brass, 75 and 5; round head do., 67½ and 5.

BOLTS—There is a satisfactary movement in these. Discounts are: Carriage bolts, 5-16 and smaller, 57½, per cent.; ⅜ and up, 52½ per cent.; full square bolts, 67½ per cent.; machine bolts, 57½ per cent.; coach screw bolts, 72½ per cent., and sleighshoe bolts, 72½ per cent.

NUTS AND WASHERS — These are moving quietly. We quote: Square, 4c.

STEEL SINKS



FIVE STYLES

Painted Both Inside and Outside.
Galvanized Both Inside and Outside.
Enamelled White Inside.
Enamelled Famous Inside.
Enamelled Imperial Inside.

THREE SIZES:

16 x 24 18 x 30 18 x 36

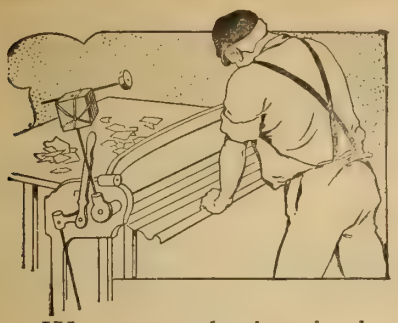
PAINTED AND GALVANIZED sinks are thoroughly coated inside and outside.
ENAMELLED sinks are extra heavily coated inside and coated outside, which

PREVENTS THEIR RUSTING.

ASK FOR PRICES

The McClary Manufacturing Company

LONDON TORONTO MONTREAL WINNIPEG VANCOUVER



We are gathering in the business in galvanized iron —no man knows cloth like the tailor.

Apollo Iron and Steel Company, Pittsburgh.

Cements { PORTLAND ROMAN KEENE'S

Bricks . . { FIRE BUILDING PAVING

Sand . . . { SILICA FIRE MOULDING BUILDING

F. HYDE & CO.

31 Wellington street, MONTREAL

English Castor Oil

GUARANTEED PURE.

Pharmaceutical, Tasteless, Cold Drawn
First Pressure
Second Pressure

In cases of 2 tins and in barrels. Stocked by all Hardware, Oil and Color men.

The Hull Oil Manufacturing Co.
LIMITED

B. & S.H. THOMPSON & CO.
Agents for Canada - MONTREAL

CANADA IRON FURNACE CO., Limited

Manufacturers of

CHARCOAL PIG IRON

MONTREAL.

BRAND "C.I.F." THREE RIVERS

PLANTS AT

Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.

Geo. E. Drummond,
Managing-Director and Treasurer

per lb. with discounts off list, and hexagon, 4½c. Washers in 5-lb. boxes are 50 per cent. discount.

RIVETS—Without special feature. Discounts now are: Black and tinned, 50 per cent.; ditto burrs, 45 per cent., while copper rivets and burrs are 35 per cent.

CORDAGE—As a result of stronger cables on manila hemp, the market here has been advanced for manila rope, and prices are higher all round. Sisal, however, is unchanged. We quote: Manila, 7-16 and up, 12c.; ⅜, 12½c., and ¼ and 5-16, 13c. Sisal, 10¾c. for 7-16 and up; 11¼c. for ⅜, and 11¾c. for ¼ and 5-16. Binder twine: Pure manila, 10½c.; 550 feet, 10c.; sisal, 500 feet, 9½c.

SHOT—There is no change in shot. Ordinary, 6c., and chilled 6½c.

CEMENT — Without alteration and business dull. We quote: Belgian, $1.90 to $2.10; English $2.30 to $2.40, and German, $2.45 to $2.65, per cask ex wharf.

FIREBRICKS — There is a good demand for these at $12 to $23 per 1,000 as to brand.

METALS.

The heavy iron and metal market continues firm in all lines, but business on spot for prompt shipment has been rather slack, and is expected to continue so for a week or so now.

PIG IRON—The firmness in this material continues, and some small contracts in No. 1 Hamilton have been put through at $21, and now an advance on that figure is asked. There is a rise of over 50c. the ton in the fortnight. Scotch pig is nominal at $22 to $22.50.

BAR IRON—The firm tendency of bar iron is unabated and nothing can be had under $1.90 except a round lot.

BLACK SHEETS—There has been an advance of from 5 to 10c. in these, and we quote: 8 and 16, $2.35; 18 and 20, $2.05; 22 and 24, $2.25; 26, $2.35, and 28, $2.40.

HOOP IRON—Without any change from $2.45.

STEEL—Quiet and steady. We quote: Sleighshoe and tire, $2.50; spring, $2.70; machinery, $3, and toe calk, $3.

GALVANIZED IRON — Stocks are light and prices firm under a good inquiry. We quote: Queen's Head, $4.55 to $4.80; Comet brand, $4.30 to $4.55, according to the size of the order.

INGOT COPPER—The advance in this metal on outside markets has not affected spot prices, which are pretty high, anyhow, and we quote 19¼ to 20c.

INGOT TIN—The same remarks apply to

SHEET IRON STEEL

All grades for import at closest prices.

A. C. LESLIE & CO.

MONTREAL.

Sanderson's Cast Steel in stock.

FOX

All-Steel Sash Pulleys

THEY require no Screws—this means a saving of a gross of screws on every six dozen Pulleys.
THEY can be applied quicker than any other Pulley.
THEY are cheap, strong and durable.

NO NAILS NO SCREWS
JUST BORE FOUR HOLES

AIKENHEAD HARDWARE CO.
Toronto.

ADAM HOPE & CO.

30 JOHN STREET N.
Hamilton, Ont.

PIG TIN
PIG COPPER INGOTS
PIG LEAD
ANTIMONY
TIN, and CANADA PLATES

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

tin, which has also ruled firm outside, and we quote 29 to 30c.

PIG LEAD—Without new feature at $4.25.

LEAD PIPE—Steady at 7c. for ordinary, and 7¼c. for composition waste, with 17½ per cent. discount.

IRON PIPE—Continues as last reported. We quote as follows: Black pipe, ⅛ and ¾-inch, $3.12; ½-inch, $3.09; ¾-inch, $3.72; 1-inch, $5.14; 1¼-inch, $6.82; 1½-inch, $8.66, and 2-inch, $11.02. Galvanized pipe, ⅛ and ¾-inch, $5.64; ½-inch, $6.64; ¾-inch, $7.41; 1-inch, $10.12; 1¼-inch, $14.03; 1½-inch, $17.16, and 2-inch, $23.

CANADA PLATES—As a result of reduced stocks, prices are from 5 to 10c. higher on Canada plates, both plain and galvanized. We quote: 52's, $2.30; 60's, $2.40; 75's, $2.50; full polished, $3.15; galvanized Canada plates, $4.25 for 52's.

TINPLATES—In fair request and firm. We quote as follows: Coke, I.C., $3.50; charcoal, I.C., Allaway or Comet brands, $3.75; do. I. X., $4.50; Lincoln, $4; P. D. Crown, $4.25; do. I. X., $5.25; Bradley's, $6.05.

TERNE PLATE—Jobbers are asking 25 to 50c. advance for these, as to quality, and we quote $6.50 to $6.75.

COIL CHAIN—Firm, but quiet. We quote: No. 6, 10¾c.; No. 5, 9¼c.; No. 4, 8¼c., and No. 3, 7¼c. per lb.; ¼-inch, $6; 5-16, $4.75; ⅜, $4.25; 7-16, $4.10; ½, $4; 9-16, $3.95; ⅝, $3.85; ¾, $3.65, and ⅞, $3.55 per 100 lb.

SHEET ZINC—Without special change at 8 to 8¼c.

ANTIMONY—Unchanged, at 10 to 11c.

SPELTER—Featureless at $7.

GLASS.

There is no change in this market. We quote: First break, $1.80; second, $1.90 per 50 feet; first break per 100 feet, $3.50; second, $3.75; third, $4; fourth, $4.25; fifth, $4.75; sixth, $5.25, and seventh, $5.75.

PAINTS AND OILS.

There is little change in the situation of this department of business. A moderate movement is noted in both paints and oils, and there are no changes to report except a decline in the price of turpentine of 2c. to 59 to 60c.

WHITE LEAD—Best brands, Government standard, $6.00; No. 1, $5.62½; No. 2, $5.25; No. 3, $4.87½.

DRY WHITE LEAD—$4.75 in casks; kegs, $5.

RED LEAD—Firm; casks, $4.75; in kegs, $4.50.

WHITE ZINC PAINT—Pure, 8c.; No. 1, 6½c.; in oil, pure, 9c.; No. 1, 7½c.

PUTTY—We quote: Bulk, $1.65; bladders, in bbls., $1.80; bladders, in cases, $1.95; in tins, $2.05 to $2.30.

LINSEED OIL—We quote: Raw, 57c.; boiled, 58c., five to nine-barrels, 1c. less, ten and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to four barrels, 59 to 60c., two to four-barrel lots, 1c. less, five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Firm; $1 to $1.20 per gallon.

CASTOR OIL—Firm; at 7½ to 8c.

SEAL OIL—35½ to 37½c.

COD OIL—35 to 37½c.

NAVAL STORES—There is an improved demand for all lines, and prices show no change. We quote as follows: Resins, $2.75 to $4.50, as to brand; coal tar, $3 to $3.50; cotton waste, 4½ to 5½c. for colored, and 6 to 7½c. for white; oakum, 5½ to 6½c., and cotton oakum 9 to 11c.

PARIS GREEN—We quote: 250-lb. casks, 13½c.; 50-lb. drums, 14c.; 1-lb. packages, 15c.; ½-lb. packages, 16½c.; 1-lb. tins, 15½c.

PETROLEUM.

In this article an active business is reported, there being a good demand from all over the country for all grades, and more so for Crown Acme, the new Sarnia oil, on account of its superiority in quality. The tone of the market for all grades is steady and prices show no change. We quote: Crown Acme, the new Sarnia oil, at 15½c.; Perfection and Silver Star Canadian refined, 14½c.; American prime white, 17c.; water white, 18c., and Pratt's astral, 19½c., in small quantities.

MONTREAL NOTES.

Turpentine has declined 2c. per gallon.

Black sheet iron is about 10c. up all round on last week.

Terne plates are held from 25 to 50c. higher than last week.

There has been a rise of from 5 to 10c. in Canada plates of all kinds.

The price of Manila rope here has followed the rise noted in the West last week.

James Clinskill, general merchant, Battleford, N.W.T., has bought out Leslie & Wilson, general merchants, of Saskatoon, N.W.T. He will carry on both businesses, the Saskatoon branch under the management of W. R. Latimer.

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.

'WELLINGTON' KNIFE POLISH

JOHN OAKEY & SONS, LIMITED

MANUFACTURERS OF

Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.

Wellington Mills, London, England.

Agent:

JOHN FORMAN, 644 Craig Street

MONTREAL

29 Years. Established 1870. 29 Years.

SEASONABLE GOODS AT RIGHT PRICES.

Barbed Wire Fencing; Agricultural Implements; Bradley Tin; Builders' and Cabinet Makers' Hardware. Special—A full line of Tinsmiths' Tools and Machinery—latest improvements.

SEYBOLD, SON & CO. - MONTREAL.

PERSONS addressing advertisers will kindly mention having seen their advertisement in Canadian Hardware and Metal Merchant.



IRON AND BRASS

Pumps

Force, Lift and Cistern Hand and Power.

For all duties. We can supply your wants with—quality the best and prices right. Catalogues and full information for a request.

THE R. McDOUGALL CO., Limited

Manufacturers, Galt, Canada.

Wheelbarrows

ALL KINDS.

Navvy, Garden, Stone, Stable, Steel Tray, Tubular.

Best and cheapest on the market. Write for prices.

Eastern Agent

ALEXANDER GIBB

22 St. John Street, - - MONTREAL.

Meaford Wheelbarrow Works

CLELAND BROS. & CO.

Meaford, Ont.

JOHN BOWMAN HARDWARE & COAL CO.

London, Ont.

Just Received a large consignment of WINDOW GLASS per S.S. Sylvania and can fill all orders promptly.

JELLSTONE.

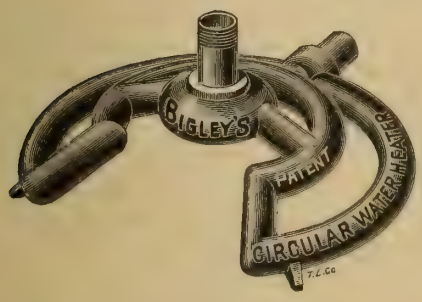
We will have this in stock in the course of a few days, put up in 5-lb. packages (white and eight tints) at the same price as barrels.

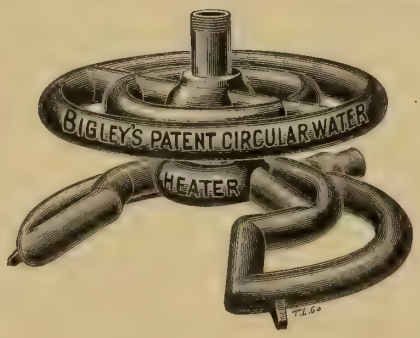
Don't load up with inferior Wall Coatings at higher prices.

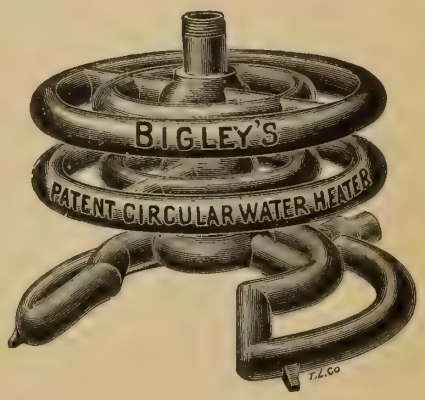
SANDERSON PEARCY & CO.

---- TORONTO ----

BIGLEY'S COMBINATION WATER HEATERS







THE above cuts show the heater in one, two, and three sections; more sections can be added if required. They are manufactured of cast iron. Are strong and durable, and are tested to 150-lbs. pressure. They are much cheaper than ordinary pipe coils and last three times as long. Manufactured in 7 sizes, from 12 to 28 inches in diameter, and will heat from 100 to 2,500 feet of 1-inch pipe. Can be fitted to most any kind of hot-air furnace, or globe stove, or any similar stove, and do not in any way interfere with the heating capacity of the furnace or stove, but add from one-half to two-thirds more heating power and saves much fuel. For greenhouse heating they are very serviceable, and may be built in brick. The trade will find that it is to their advantage to use these heaters. Capacities guaranteed. Send for catalogue.

Patented and Manufactured by

R. BIGLEY, 96 and 98 Queen Street East, TORONTO

ONTARIO MARKETS.

TORONTO, July 7, 1899.

HARDWARE.

THE wholesale hardware trade during the past week has been fairly good, although the orders are not, as a rule, for very large quantities. Letter orders are particularly numerous this week. The scarcity noticed in certain seasonable lines, such as harvest tools, screen doors and windows, and green wire cloth continues. There have been some changes in prices during the past week. Both tire and stove bolts have been advanced. The same is to be said of iron rivets and burrs. Lead pipe, on the other hand, has been reduced about 2½ per cent. The Canadian makers of edge tools have advanced their prices from 25 to 30 per cent. These are the only noteworthy changes in hardware. The demand for wire nails is, on the whole, fairly good, and prices are decidedly strong with an upward tendency. Cut nails continue quiet. A fair business is being done in oiled and annealed wire. Horse nails and horseshoes are still quiet. The screw trade is active, and it is quite possible that an advance may take place before a great while. The rope market is steady at the recent advance.

BARBED WIRE—There is just a moderate business being done, and the trade is being chiefly supplied by American manufacturers. The price is unchanged at $3.25 f.o.b. Toronto.

SMOOTH STEEL WIRE — A fair trade is to be noted, particularly in oiled and annealed wire. There is practically nothing doing yet in hay-baling wire, but, of course, it is yet early for much business in this line. The base price is unchanged at $2.60 f.o.b. factory.

GALVANIZED WIRE — There is still little going out, but no large quantities appear to be wanted. We quote: Nos. 6, 7, 8 gauge, $3.40; No. 9, $2.90; No. 10, $3.50; No. 11, $3.55; No. 12, $3.05; No. 13, $3.15; No. 14, $3.90; No. 15, $4.50; No. 16, $4.65.

WIRE NAILS — The demand is fairly good, and it is the general impression that stocks bought at the low prices are getting pretty low. Dealers consequently are now beginning to buy more freely at the higher prices. There has been no change in the price, $2.65 f.o.b. Toronto still being the ruling quotation, but an effort is now being made by the makers to further advance their figures, which, in view of the high cost of raw material, they are undoubtedly warranted to do.

CUT NAILS—Business in this line is still only moderate, but the base price is steady and unchanged at $2.50, f.o.b. Toronto, Hamilton and London.

HORSE NAILS — Trade is seasonably quiet, but next month is expected to see an improvement in the demand. We quote: Standard, oval head, 50 per cent.; Acadia, countersunk head, 50 and 20 per cent.

HORSESHOES— Trade is still quiet and prices steady and unchanged. We quote f. o. b. Toronto, Hamilton, London and Guelph: No. 2 and larger, light, medium and heavy iron shoes, $3.50; snow shoes, $3.75; light steel shoes, $3.75; featherweight shoes, all sizes, $5. No. 1 and smaller, light, medium and heavy iron shoes, $3.75 per keg; iron snow shoes, $4.00; light steel shoes, $4.00; featherweight steel shoes, all sizes, $5.00.

SCREWS —Trade in screws is still active and prices firm. HARDWARE AND METAL would not be surprised to hear of an advance in the price of this line before long. We quote as follows: Flat head bright, 82½ and 5 per cent. off the list; round head bright, 75 and 5 per cent.; flat head brass, 75 and 5 per cent.; round head brass, 67½ and 5 per cent.; flat head bronze, 67½ and 5 per cent.; round head bronze, 62½ and 5 per cent.

BOLTS—The feature of this line is an advance in the price of both tire and stove bolts, the discount now being 60 and 10 per cent,, instead of 65 and 10 per cent., as before. Other kinds of bolts are unchanged at the recent advance. The demand for bolts, particularly carriage, machine and stove, is brisk. We quote: Norway bolts, full square, 67½ per cent.; common carriage bolts, 5-16 and under, 57½ per cent.; ditto, ⅜ and larger, 52½ per cent.; ditto, full square, 67½ per cent.; machine bolts, all sizes, 57½ per cent.; coach screws, 72½ per cent.; sleighshoe bolts, 72½ per cent.; blank bolts, 57½ per cent.; bolt ends, 62½ per cent.; nuts, square, 4c.; nuts, hexagon, 4½c.; tapping nuts, 60 per cent.; tire bolts, 60 and 10 per cent.; stove bolts, 60 and 10 per cent.

RIVETS AND BURRS — The price of iron rivets and burrs has been advanced, the discounts now being 45 per cent. for iron rivets and 40 for iron burrs, against 50 and 45 per cent. respectively, as before. We quote as follows: Carriage section, wagon box rivets, etc. (steel), 60 per cent. off the list; ditto (Norway iron), 55 per cent.; black M rivets, (steel) 60 per cent.; ditto (Norway iron), 45 per cent.; iron burrs, 40 per cent.; copper rivets, 35 per cent.; bifurcated, with box, $1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

ROPE — Business is just moderate and prices as quoted last week. The hemp market rules steady. We quote as follows: Sisal, 7-16 in. and larger, 10½c. per lb.; ⅜ in., 11c.; ¼ and 5-16 in., 11½c. Manila, 7-16 in. and larger, 12c. per lb.; ⅜ in., 12½c.; ¼ and 5-16 in., 13c.; New Zealand, 9½c. per lb.; Deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 8¾c. Clotheslines, 48 feet, 90c.; 60 feet, $1.20; 72 feet, $1.50; 100 feet, $2.

CHURNS — Business is fairly good, but devoid of any particularly new features. We quote: Metal frame—No. 0, $3; No. 1, $3.20; No. 2, $3.40; No. 3, $3.75; No. 4, $4.50; No. 5, $5.90. The price of wooden frames is 15c. per churn less than the above. Terms, 3 per cent. off 30 days f.o.b. Toronto.

WRINGERS—Trade is fair and prices unchanged. We quote as follows: "Leader," $60 per doz.; "Royal Canadian," $58; "Royal American," $48. Prices are all f. o. b. Toronto, Hamilton, Brockville, and Montreal. Discount, 45 per cent. Terms, four months, or 3 per cent., 30 days.

BUILDING PAPER—There is still a fair trade doing at former prices. We quote as follows: Plain building, 28c. per roll; tarred lining, 35c., according to quality; tarred roofing felt, $1.40 per 100 lb.; carpet felt, $2.25 per 100 lb.

GREEN WIRE CLOTH— The Canadian manufacturers are still refusing to accept new orders, and, consequently, difficulty is being experienced by jobbers in supplying the demand. The price is still $1.75 per 100 square feet.

POULTRY NETTING—The demand keeps fair and the discount unchanged at 50 per cent.

SPADES AND SHOVELS—The demand is just moderate and the discount firm at 40 and 5 per cent.

TOOLS—The demand keeps good for harvest tools, nearly every order coming in wanting scythes, snaths, hay forks, turnip hoes and three-prong forks, all of which are more or less scarce. Discount 60, 10 and 5 per cent.

SCREEN WINDOWS AND DOORS —These are still very scarce, and wholesalers have got to the point where in some instances they positively cannot fill orders.

METALS.

The metal market generally is stronger than it was a week ago, and our quotations on tin, tinplates and Canada plates are higher. There is a decidedly stronger feeling in iron pipe and higher prices are almost certain to rule within the next few days.

PIG IRON — The market continues very strong, particularly in the United States. We still quote Hamilton iron at $18.50 to $19 at the furnace for No. 1.

BAR IRON — The demand keeps good and prices are firm at $1.90 to $1.95 base.

BLACK SHEETS—Trade is decidedly good in this line and prices are firm at quotations.

GALVANIZED IRON — Trade continues active in this line, and, although no changes

are made this week in our quotations, yet the general tendency of the market is upward, and jobbers are predicting that prices will eventually reach $5 per 100 lb. Supplies from the United States have ceased altogether on account of the prices ruling over there. We still quote 28 gauge at $4.75 per 100 lb.

COPPER—There is a moderate demand for ingot copper, and in sheet copper there is an active trade to be noted. The price is unchanged at 19 to 19½c. for ingot, 23 to 23½ for sheet, and 23½ to 25c. per lb. for bar.

PIG TIN—The market for this has been strong during the past week, and prices are ½ to 1c. higher than at the time of last review. We now quote Straits at 30c. to 31c. per lb. and Lamb and Flag at 31 to 32c.

TINPLATES—The market for tinplates is decidedly strong and cables received this week note an advance of 1s. per box on 14 x 20, the base. Prices on all grades of tinplates locally have been advanced in proportion. The demand is fair, but the advance in price somewhat affects business at the moment.

CANADA PLATES — Cable advices state that prices have advanced in England equal to about 15c. per box, and jobbers here have marked up their figures by a corresponding amount. The mills in England are well employed, and it is the general opinion that the present prices will be maintained for some time to come at anyrate. Business is beginning to move a little better on the local market. Import orders are arriving. We quote: All dull, 25 sheets, $2.75; half polished, $2.85; all bright, $3.20.

IRON PIPE — The market is decidedly strong, and higher prices are almost certain within the next few days. We quote as follows: ⅛ to ⅜ inch, $3.10; ½ inch, $3.25; ¾ inch, $3.80; 1 inch, $5.25; 1¼ inch, $7; 1½ inch, $8.75; 2 inch, $12; 2½ to 6 inch, discount 50 per cent. Galvanized pipe: ½ inch, $6.50; ¾ inch, $8; 1 inch, $11; 1¼ inch, $15.25; 1½ inch, $19; 2 inch, $27.

PIG LEAD—Trade is still quiet and with quotations unchanged at 4¼ to 4½c. per lb.

LEAD PIPE—On account of American competition the price has been reduced about 2½ per cent., the discount now being 20 per cent. on lead pipe, composition pipe and waste pipe, instead of 17½ per cent. as before. The list price is still 7c. for ordinary pipe and 7½c. for waste.

RANGE BOILERS — The market is firm at quotations and business continues fairly good. We quote as follows: Galvanized, 30 gals., $9; 35 gal., $10; 40 gal., $11. Copper, 30 gal., $22; 35 gal., $26; 40 gal., $30; discount off copper boilers, 10 per cent.

COIL CHAIN—Trade is quiet and prices firm at quotations. We quote: ¼ in. $6.75; 5-16 in., $4.75; ⅜ in., $4.30; 7-16 in., $4.15; ½ in., $3.05; ⅝ in., $3.85; ¾ in., $3.75.

SHEET ZINC — Trade is a little more active than it was, with prices unchanged at 8¼c. for cask lots and 8½c. for small lots.

SPELTER — Business still shows improvement in this line, and we quote 7½ to 7¾c. per lb.

SOLDER—Is moving upwards in sympathy with the high prices of tin, although our quotations are still much about the same as before.

ANTIMONY—Is quiet and unchanged at 11 to 11½c. per lb. for Cookson's.

PAINTS AND OILS.

A fairly good sorting trade is still noted. The demand for white lead is steadily falling off, but turpentine and oil continue in good demand. The demand for sundries is less active than in the past few weeks, but is still good. Turpentine is advancing in the primary market. On Monday, the price f.o.b. Toronto was reduced from 60 to 58c., but the feeling has since strengthened, so that the price has again been raised to 60c. It is now steady at this price. Linseed oil and lead are firm at unchanged figures. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $6.12½; No. 1, $5.75; No. 2, $5.37½; No. 3, $5; No. 4, $4.62½; dry white lead in casks, $5.10.

RED LEAD—Genuine, in casks of 560 lb., $4.90 to $5; ditto, in kegs of 100 lb., $5.15 to $5.50; No. 1, in casks of 560 lb., $4.75; ditto, kegs of 100 lb., $5.

LITHARGE AND ORANGE MINERAL—We quote: Litharge, 6 to 6½c.; orange mineral, 7½ to 8½c.

WHITE ZINC—Genuine, French V.M., in casks, $7 to $7.25; Lehigh, in casks, $6.

PARIS WHITE—We quote 90c.

WHITING — 55c. per 100 lb.; Gilders' whiting, 85c.

GUM SHELLAC—In cases, 24c.

PLASTER PARIS — Ordinary, $1.75 per barrel; New Brunswick, $2 per barrel.

PUMICE STONE—Powdered, $2.50 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, $1 per gallon; No. 1 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9c. per lb. and 10c. for single tins.

LINSEED OIL — Quotations to outside western points are (freight allowed): Raw, 1 to 4 barrels, 57c.; boiled, 1 to 4 barrels, 60c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside western points, freight allowed, 1 to 4 barrels, 61c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

Dealers throughout the country are beginning to manifest impatience at the non-arrival of import orders. Wholesalers, however, are in the same fix, for not a box can arrive before the third week in July. A fairly good demand from stock is reported. These are filled with great difficulty, on account of the scarcity of many sizes. Prices are high and unchanged at the following figures: Star, first break in 50-foot boxes, $2, and in 100-foot boxes, $3.75; double diamond under 25 united inches, $6, Toronto Hamilton and London; terms 4 months or 3 per cent. 30 days.

MARKET NOTES.

Lead pipe is 2½ per cent. lower.

Coal has advanced 25c. per gross ton.

Pig tin, tinplates and Canada plates are all quoted higher.

The manufacturers have advanced the price of edge tools.

Tire and stove bolts and iron rivets and iron burrs are all higher.

Turpentine declined 2c. on Monday, but a stiffening in prices in the primary market has brought the price up again to last week's quotation, 60c. Toronto, and 61c. at outside points.



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BRITISH PLATE GLASS COMPANY, Limited. Established 1773.

Manufacturers of **Polished, Silvered, Bevelled Chequered, and Rough Plate Glass.** Also of a durable, highly-polished material called "**MARBLETTE,**" suitable for Advertising Tablets, Signs, Facias, Direction Plates, Clock Faces, Mural Tablets, Tombstones, etc. This is supplied plain, embossed, or with incised gilt letters **Benders, Embossers, Brilliant Cutters, etc., etc.** Estimates and Designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow—12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glass, St. Helens." Telephone No. 68 St Helens.

JAPANNING TINWARE.

A CORRESPONDENT recently asked an exchange how he should treat tinware in the process of japanning so that the japan would not scale or peel off. A practical man to whom the question was submitted has answered it somewhat exhaustively. He points out, in the first place, that japanning is the process of giving to manufactured articles of tin, sheet metal, and iron the appearance of lacquered wares. The colors mostly used in japanning material are black and light and dark brown. Black japan is a mixture of copal varnish and ivory drop black (ground in japan). Light and dark browns are a mixture of copal varnish and asphalt in sufficient proportions to produce the desired shade. Various shades are made by mixing copal varnish with colors ground in japan, the following colors being used: Indian red and vermilion, plain or glazed with carmine; coach painters' green, light, medium, or dark blue, white, etc. Gold, copper, and other shades of bronze powder can be used, and produce an excellent finish for piano plates and light hardware.

The beginner should not undertake to mix his own japanning colors, but should buy a carefully and specially prepared japan for all purposes, as he will find it cheaper and better. He should use only bronze powder which shows perfectly dry and brilliant in the bulk, and is made with the addition of as little oil as possible, as this will keep its original color longer than bronze that is made with oil. Before applying the japan care should be taken to clean off all rust and oil, for if not thoroughly clean the japan will peel off.

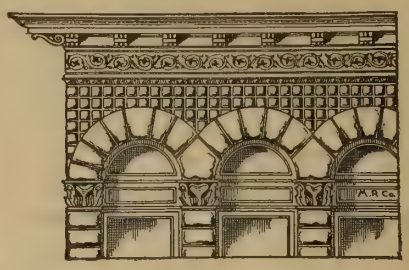
Use a flat bristle brush of proper size in coating the articles with japan. The elasticity of the material makes this necessary to secure a smooth and even surface. On cheap tinned articles one coat is all that is usually applied. Sheet iron should, if necessary, have two coats, though one coat can be applied to cover it thoroughly when put on by an experienced japanner. Large and small cast iron articles are coated with a brush, though small castings are often dipped and allowed to drip suspended from wires.

To produce a gold, copper, or other bronze finish first coat the article with varnish size, allow the size to become nearly dry, or tacky, and then apply the bronze with a velvet or plush pounce. Japanned and bronzed articles are given a coat of varnish immediately after being taken out of the baking oven, though this is only when a very smooth and glossy surface is required.

The process of mixing and applying being finished, it is necessary to place the article in the baking oven. These ovens are specially constructed for the purpose of baking japanned work. They are built in various sizes, according to the room required, usually of brick and having sheet iron doors, with tiers on inside walls. A steady temperature from 250 to 400 deg. F. is required, and articles remain in the baking oven from 12 to 48 hours. Heat is obtained by the use of coal, but recently gas has been introduced. The gas oven is preferred, being cleaner, gives a quicker and more steady heat, can be easily regulated, and is less expensive to operate.

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A UNIQUE HOT-WATER HEATER.

R. Bigley, 96 and 98 Queen street east, Toronto, is putting a unique and useful hot-water heater on the market. It is simply a coil of piping, either conical or circular in shape, made to fit into a furnace or an ordinary heating stove in such a way as not to interfere with the heat ordinarily given out by them. This new heater is called Bigley's patent conical (or circular) hot-water heater, is made in many different styles, ranging in price from $1.75 to $30. A small booklet with illustrated description of these heaters and Bigley's patent base heating furnaces can be had on application.

GOOD PENKNIFE FOR $50.

One sample carried by Mr. Rothschild was one of the novelties which only the rich can afford, remarks a contemporary. It was a pocket-knife with sides made of cut gold bearing quartz. The quartz was exceedingly rich, and, although white and transparent as crystal, was so full of flecks of solid gold as to look yellow to the eye. The rivets were concealed in designs of solid gold and the metal plates and trimmings were all of the same metal.

"That knife retails at about $50," said Mr. Rothschild. "They are sold singly, for I never found a customer who felt like ordering them by the dozen. We sell a great many to eastern tourists, who prize them as souvenirs of the trip. The gold and quartz come from Californian mines, and we do the work in our own factory. This quartz is also made up in cane handles and sides of match safes."

A BOOK OF ART.

The Watson, Foster Company, Limited, have now in course of preparation their annual catalogue. It will contain 40 pages, half of which will be full-page illustrations, in half-tone, of some of their best patterns for the coming season. The quaint design of the cover and the beautiful paper on which it is reproduced will certainly combine to make the book one which may be well termed a work of art, and well worth preserving among other souvenirs and bric-a-brac.

The management of the company requested us to advise the dealers in wall papers that, if, after the present month has expired, they have not received a copy, they can be cheerfully supplied with one on application, as it is quite possible some may be inadvertently overlooked in the rush of mailing.

A merchant should not, in considering his own, forget the interests of his clerks. The interests of the two are so closely allied that injury to one means injury to both.

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SEASON 1899-1900.

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It will be to the interest of every wall paper dealer in Canada to see our samples, as they are the most attractive we have ever produced.

They are exceptionally strong in popular designs and in harmony with the prevailing colors in house decoration.

The range of ingrain colors with friezes from 9 to 22 inches wide will be found specially pleasing.

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MONTREAL.

A PLEASING PRESENTATION.

On Tuesday evening, about 60 members of the Granite Club, Toronto, met in the club rooms to do honor to Captain Arthur N. Burns, who had resigned the position of secretary of the club, which position he had held for five years, to join the business staff of the Toronto office of The MacLean Publishing Co., Limited.

After a supper had been given in honor of Mr. Burns, Mr. Bernard Jennings, manager of the Imperial Bank, and president of the club, after an address expressing sorrow because of his resignation, presented him on behalf of the club with a case of pipes, and beautiful gold watch with monogram on the back and the following inscription on the inner case: "Presented to Captain Arthur N. Burns by friends of the Granite Club, Toronto, July, 1899." Mr. J. C. Kemp, of the Bank of Commerce, also made a short speech, giving Mr. Burns the promise of the lasting good-will of his fellow clubmen.

Mr. Burns was greatly pleased by these evidences of friendship, and expressed his pleasure in a short speech, suitable to the occasion.

ELECTRIC HEATING.

Some very useful hints on electric heating were given in the course of a paper read before the French Society of Engineers recently, by M. Lalance. He first described in detail the method of constructing an electric heating and cooking apparatus, in which wires are embedded in enamel in order to prevent oxidation, etc. He explained the difficulty that had been found in getting resistance material and enamel with practically the same coefficiency of expansion in order that they might not part company when heated. The author says that when electric energy is produced by water power it is possible for electric heating to compete financially with ordinary methods of heating; and beyond this, as is well known, the electric heating has peculiar advantages from the fact that it does not in any way vitiate the air or cause noxious fumes when used for cooking purposes. The author then proceeds to calculate the cost of performing certain cooking operations and boiling of water by electricity, assuming that the price paid per unit for energy is about 4½d., as is the case in Paris. He points out that, although these prices are high, yet other advantages derived from electric heating make this acceptable to the public. With respect to the question of the heating of buildings, the author states that it requires about 65 watts for every cubic metre of space which has to be maintained at 22 deg. C. above the temperature of the outside air. He gives an instance of one dining-room in Paris that is electrically heated, in which the total cost per annum for electric energy comes out at £6 5s. The total equivalent load, we presume, in 10 c.p. lamps, which is obtained from the heating apparatus in the Secteur de la Place Clichy, is equal to 5,000 lamps. In the concluding part of his paper, the author refers to other systems of heating, such as the use of red-hot rods of silicon in a vacuum.

A PROFIT-SHARING SCHEME.

Profit-sharing is an old idea for inducing employes to take an interest in their employers' business. Many schemes have been tried during the last twenty years—some of them have failed, others have been allowed to die out, and a few are still in force. The limitization of a business is, to my mind, the best system of profit-sharing, but, at the same time, what is known as the bonus system has, in certain cases, advantages peculiar to itself, says a writer in Ironmongery. Clay & Co., wholesale ironmongers, of New Wortley, Leeds, have just formulated a profit-sharing scheme, some details of which have been sent me by Arthur Clay, the head of the firm. Mr. Clay states that for years he has held that the result of a man's labor should be his own, and he has resolved to give his workpeople an interest in the business. It was difficult to formulate a sound scheme, but he has decided to try one which, if not perfection, has its advantages. He proposes that in future his employes shall share the profit in proportion to their wages. If the profit is 5 per cent., then the employe will be entitled to 1s. for every £1 of wages he has drawn. If 10 per cent., 2s,, and so on. Mr. Clay recently unfolded his scheme to his employes in the course of a social evening gathering, and it is almost unnecessary to say that the proposal was warmly received. I fancy the growing business of this firm will not stop developing as a result of this additional encouragement afforded the staff to do their best.

SHOP PLACARDS.

Where home-made placards are used in the shop, care and judgment must be exercised in wording them, so that they shall be both impressive and expressive, remarks an exchange. The chief defect in placards often is excessive similarity, because the man who usually writes them allows his mind to run too long in the same groove, unhesitatingly employing the same words and phrases over and over again. In this manner constant repetition loses its effectiveness. It is one of the instances where constant dropping does not wear out the stone, but rather tends to harden it. An oft-repeated phrase soon ceases to be forcible. Like a twice-told tale, it rather vexes and annoys those who contemplate it. Many stores make the mistake of going to this extreme when lauding forth the many good qualities of their wares. They will, for example, use the word "special" on every placard till everybody is surfeited with it. The principal aim and object of these signs is to act as silent salesmen. If they are interesting, original and clever they may certainly serve as pretty fair substitutes. Indeed, there are instances when they could be made much more efficacious than the lackadaisical assistants, who are frequently either unwilling or unable to impart information.

TRADE CHAT.

The Atikoken Gold Development Co., of Ontario, Limited, has been incorporated with headquarters at Port Arthur, Ont.

The Wire and Cable Co., Limited, Montreal, intends applying for incorporation.

The John Abell Engine and Machinery Works Co., Limited, Toronto, have purchased the Stewart & Harper property on Main street, Winnipeg. It is understood the firm intend erecting a fine warehouse and other buildings on this property.

THE BICYCLE IN WAR.

The possibilities of the bicycle for purposes of war were explained recently at the Royal United Service Institution, London, by Captain Baden Powell, of the Scots' Guards. There are, it seems, three principal circumstances in which British troops may be employed on service, and in each of which bicycles may be found of the greatest value. These are—at home in case of invasion, abroad where the roads are good, and abroad where the roads are comparatively few and bad. Captain Baden Powell thinks that it is in the first of these categories that bicycles would prove most useful. By this means comparatively large bodies of troops can be conveyed to the seat of war, and there could thus be a rapid concentration on any point, quite independent of railways. Among the other directions in which cyclists might be utilized, Captain Baden Powell enumerated "raiding"—that is, a rapid march into the enemy's country for some particular object; scouting and reconnaissance; as mounted infantry to a force of all arms, and as orderlies and messengers of transport. The importance of this matter is evidenced by the fact that a systematic training of regular troops in the use of the cycle is about to be inaugurated at Aldershot, under the supervision of Col. Alderson, the officer commanding the mounted infantry.

C. Norsworthy, a well-known foundryman of St. Thomas, Ont., dropped dead on Thursday night.

SEND for specimen copy of Phillips' Monthly Machinery Register, containing over 5,000 entries of new and second-hand machinery of every description. The oldest established and most successful medium in the world. Established 25 years for the purpose of introducing those who have machinery for sale, to those who wish to buy, has a circulation of about 50,000 copies per annum, all over the world, and is used for continual reference by a large number of firms. It is consequently a most valuable advertising medium for all engineers and manufacturers. Subscription, 8s. per annum, price per copy, 6d. Sole Proprietor, CHAS. D. PHILLIPS, M.I.M.E., Newport, Mon., England. Telegraphic address: "Machinery, Newport, Mon."

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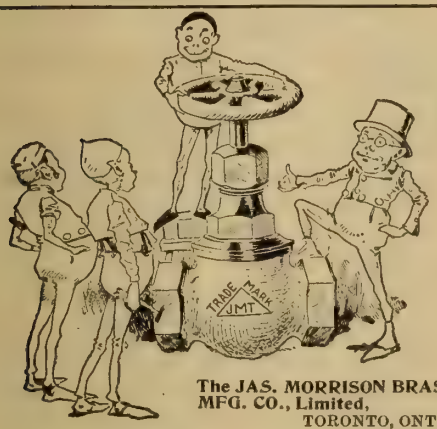
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Store Helps.

We don't blame you for hesitating before taking on "novelties" and accumulating dead stock after the "novelty" part has worn off.

What you want is "store help"—real, true, honest aids for business and for more of it, and that is just exactly what we offer you in Boeckhs' Bridled Brush for Painters.

It is no "novelty"—it is just a plain, sure, safe "store help," but it represents the most progressive time and labor saving idea for Painters that has ever been followed out on practical lines.

A flexible, liquid-proof bridle that gives each separate bristle its full flexible powers, enabling the paint to spread over the greatest possible amount of surface at one sweep of the brush. A bridle that can be taken off and replaced in a second, to cut down or to clean out the brush. Send for our illustrated book, telling all about

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NEW YORK TIRE CO. - - Toronto, Ont.

HOW TO RETIN COPPER WARE.

"SUBSCRIBER," Winnipeg, writes: "Can you favor us with a recipe for retinning copper ware. We have some of this work to do and would like you to give us a reply at your earliest convenience."

Answer.—Some months ago there appeared an article in HARDWARE AND METAL, signed by H. F. M., dealing with this very matter, a digest of which we herewith give for "Subscriber" and others who may be interested.

The article to be retinned is first put on the fire and kept turned till it is heated all over and is black on the inside. A coke or charcoal fire is preferred. Then sal ammoniac, finely powdered, should be sprinkled all over the inside. With a piece of tow the inside should then be wiped out, care being taken to wipe around the handle rivets. The copper is then removed from the fire and allowed to cool until the hand can just bear upon it. Into the copper should then be poured raw muriatic acid to cover the bottom to about half an inch. With a rod having a wad of tow fastened to the end the acid is swilled around the inside. It is best to allow the acid to remain in the vessel for a few hours, swilling it once every hour or two. After pouring the acid off wash the inside with water. With wet, sharp sand and a wad of tow, scour the inside, after which, if the burning and pickling be well done, it will be found clean and smooth. If a gloss is desired the vessel should be scoured a second time, this time with sand containing no gritty matter.

After the outside has been scoured bright wash out in cold water and cover the inside with pounded sal ammoniac diluted with water. A covering of whiting and salt is then applied to the outside. A handful of whiting covered with salt gives about the proper proportion. Mix into a paste with water and apply. The vessel now being ready to tin, it is again put upon the fire and heated as before. When it has reached the proper temperature, it will melt a few pieces of block tin which have been placed in it. With a wad of clean tow wipe the tin all over, beginning at the bottom. If the copper does not tin nicely, a pinch of sal ammoniac sprinkled thereon will help matters. Next turn the pot on its side and wipe the melted tin around, a portion at a time, till it has covered every part, then wipe the surplus tin with a quick motion into a pan placed beside the fire. It is advisable to have some muriatic acid which has been cut with zinc and daub on any spot over which the tin does not flow well, but the hot copper should not be scraped if it can be avoided.

Without allowing the article to cool, it is then put back upon the fire, and, with a wad of cotton waste, free from grease, and dipped in fine ashes, the inside is wiped out, beginning in the centre of the bottom and wiping spirally towards the sides. The sides should be wiped in a zig-zag motion while working gradually around. Before the copper has cooled, plunge it into clean, cold water, and wash off the whiting from the outside. The inside should not be touched at all, and care must be taken to change the water frequently, for the least salt, sal ammoniac, or acid in the water will turn the inside dark in color. If the copper becomes cold while working it off, it should be immersed in hot water and quickly dried in a box of sawdust on being lifted out. If it is exposed to the air before being dried it will tarnish. A good finishing sand may be obtained by washing the scouring wad in water and getting the sediment that accumulates in the bottom.

KEEP GOODS YOUR CUSTOMERS WANT.

A prominent hardware dealer in a recent conversation with me said, says a writer in American Artisan, that there was any amount of tommy-rot afloat about window display for hardwaremen, shelving, arrangement of tin pans, etc. Continuing, he said: "To make your store attractive have goods on hand that your customers want. Swell display may be all right, but the way to get and hold a customer is to be able to give him what he wants. I found this out soon after I began business, for people who came in and wanted to buy certain articles seemed much disappointed whenever I had none in stock. I soon lost them as reguiar customers. To avoid all this I kept a memorandum of articles called for which I had not kept in stock, and as soon as possible procured them. I have continued this habit and have a memorandum book always at hand for the purpose. In this way I have made my assortments varied and attractive, and have built up a larger, more permanent patronage than I otherwise could have done. A large advertisement in the local newspaper, a three-color circular and a brilliant window display, are all essential and give abundant returns for the money invested. I've found that out, but the biggest help is to have every man, woman and child in your neighborhood know that if they want a special size of screw, or a washer, or any hardware article, I can give it to them."

SMOKELESS POWDER FACTORY FOR MONTREAL.

There is a probability that Montreal will have a smokeless powder factory in the near future. Negotiations to this end are now going on between interested parties with fair prospects of success.

RULES FOR COMPUTING INTEREST.

The following, from an exchange, will be excellent rules for finding the interest on any principal for any number of days. When the principal contains cents, point off four places from the right of the result to express the interest in dollars and cents. When the principal contains dollars only, point off two places:

Four per cent.—Multiply the principal by the number of days to run, and divide by 90.

Five per cent.—Multiply by number of days, and divide by 72.

Six per cent.—Multiply by number of days, and divide by 60.

Seven per cent.—Multiply by number of days, and divide by 52.

Eight per cent.—Multiply by number of days, and divide by 45.

Nine per cent.—Multiply by number of days, and divide by 40.

Ten per cent.—Multiply by number of days, and divide by 36.

Twelve per cent.—Multiply by number of days, and divide by 30.

Fifteen per cent.—Multiply by number of days, and divide by 24.

Eighteen per cent.—Multiply by number of days, and divide by 20.

Twenty per cent.—Multiply by number of days, and divide by 18.

Twenty-four per cent.—Multiply by number of days, and divide by 15.

IT COULDN'T BE DONE.

An individual with considerably more lung power than was agreeable to his hearers was hawking fish recently in a northern town, says Tit-Bits.

"Fine fresh herring'—fower a penny," he roared, in a fashion that made the windows rattle.

A woman approached the barrow and eyed the fish with a certain amount of suspicion, which, considering the circumstances, was not unnatural.

"Are they fresh?" she demanded, with a suspicious sniff.

"They're fower a penny, mum," was the guarded reply.

"Yes," responded the other, with a touch of sarcasm, "I think I 'eard yer say so. But are they fresh?"

"For aught I know, mum, they is."

"Where wor they cotched?"

This was too much, and, adopting the sarcastic style of his questioner, the hawker replied:

"Can't say for sartin, mum. I applied for the birth an' death stificate of every fish on the barrer, but, at fower a penny, it simply couldn't be done!"

"'Ere y'are! Fower a penny, herrin',"

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, **Montreal.**

Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates, Galvanized Sheets, Imitation Russia Sheets Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.



VanTuyl & Fairbank

Petrolia, Ont.

Headquarters for . .

Oil and Artesian Well Pumps, Casing, Tubing Fittings, Drilling Tools, Tables, etc.

R. C. LeVESCONTE

Barrister, Solicitor, Notary, Etc.

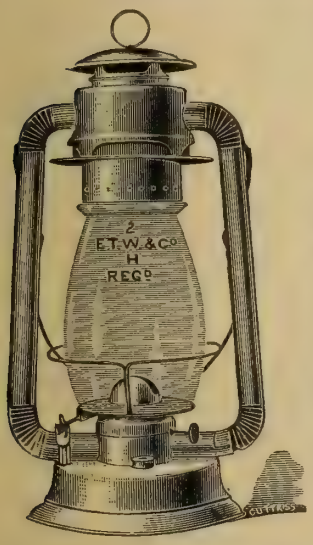
THE McKINNON BUILDING
Cor. Jordan and Melinda Streets

. . . TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.

E. T. WRIGHT & CO.

Hamilton, Canada.



"Get the Best."

Mfrs. of

Cages, Tinware, Lanterns, Traps, Stovepipe and Elbows.

Send for new Catalogue.

TRADE MARK J REGISTERED.

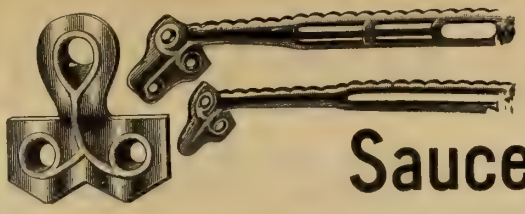
"JARDINE" TIRE UPSETTERS WILL UPSET TIRES

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.

HESPELER, ONT.



Pail Ears AND Saucepan Handles.

Neatest designs, greatest strength and finest finish of any made. Large stock of all sizes constantly on hand and all orders filled promptly. By the gross, package or in bulk, as desired. SEND FOR CATALOGUE.

BERGER BROS. CO., Philadelphia, U.S.A.

STEVENS RIFLES



THE FAVORITE

is made in three calibres

22, 25 and 32 Rim Fire

and is the best low-priced rifle made Highest quality of work. Accuracy guaranteed. Weight, 4½ lbs.

No. 17, Plain Sights— List $ 8.00
No. 18, Target Sights— " 11.50
No. 19, Lyman Sights— " 12.00

Send for our complete catalogue.

J. STEVENS ARMS & TOOL CO.

For Sale by All Leading Canadian Jobbers At Trade Discounts.

P.O. Box 215, CHICOPEE FALLS, MASS., U.S.A.



The Leader Lawn Swing

Children's Delight, Satisfying to all, Perfectly Safe, Very Strong, Most Restful and Invigorating.

ORDER NOW.

THE DOWSWELL MANUFACTURING CO., LIMITED,

HAMILTON, ONT.

HUTCHISON, SHURLY & DERRETT

DOVERCOURT TWINE MILLS.

1078 BLOOR STREET WEST, TORONTO.

Having equipped our Factory with entirely new machinery, we are prepared to furnish the best made goods in the market at closest prices and make prompt shipments.

Hand Laid Cotton Rope and Clothes Lines,
Cotton and Russian Hemp Plough Lines, plain and colored.
Cotton and Linen Fish Lines, laid and braided.
Netted Hammocks, white and colored, Tennis and Fly Nets.
Skipping Ropes, Jute, Hemp and Flax Twines.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

GEORGE W. Z. HOLMES, general merchant, Hintonburg, Ont., has assigned to George Aird.

Paradis & Jobin have been appointed curators of C. P. Beaulieu, general merchant, New Carlyle, Que.

Thomas Brethour, contractor, Montreal, has assigned, and a meeting of his creditors has been called for July 11.

The stock of H. W. Benson, hardware dealer, Bridgetown, N.S., has been seized under bill of sale, and will be sold by auction on July 8.

Ley, Waldaner & Wilkinson, manufacturers sashes and doors, Vancouver, have assigned to Jas. W. Hackett, and a meeting of creditors has been called for July 7.

PARTNERSHIPS FORMED AND DISSOLVED.

F. Lefebvre & Co., painters, Montreal, have dissolved.

A. & J. W. Fraser, harness dealers, New Glasgow, N.S., are advertising to shortly dissolve.

Maheu & Dufresne, manufacturers cigars, Victoriaville, Que., have dissolved, Adelard Maheu continuing.

Codere & Fils, hardware dealers, Sherbrooke, Que., have dissolved, and a new partnership has been registered.

Clovis Meloche and Louis Pare have registered partnership as painters under the style of Meloche & Pare, Montreal.

Pierre Gauthier and Jos. Tremblay have registered partnership as general merchants under the style of Gauthier & Tremblay, Montreal.

George Robb and George H. Robb have registered partnership as general merchants under the style of George Robb & Son., Knowlton, Que.

John McD. Hains and James H. McKeown, have registered partnership as propietors of the estate of Moses Parker, iron founder, Montreal.

CHANGES.

B. Loughrin has started in business as hardware dealer in Mattawa, Ont.

The assets of J. L. Loughrin, hardware dealer, Mattawa, Ont., have been sold.

The assets of G. W. Smith, electrical contractor, Pointe Gatineau. Que., are to be sold.

Frederick Forsythe, blacksmith, Kentville, N.S., has removed to New Minas, N. S.

McConnell & Higinbotham, coal dealers, Wilton, Ont., have been succeeded by D. McKay.

Wade Bros., general merchants, Fordwich, Ont., have sold out to Wade & Johnston.

The stock of Henri Frenette, carriagemaker, St. Stanislas, Que., has been sold at 40c. on the dollar.

Marie L. Falardeau has registered as hardware dealer under the style of Laveau & Cie., Quebec.

Annie M. Morphy, wife of Thomas Brethour, contractor, Montreal, has registered proprietorship of the business under the style of Thos. Brethour & Co., Montreal.

SALES MADE AND PENDING.

J. B. Villenieuve, general merchant, St. Anne de la Perade, Que., has removed to Raymond, Que.

John McGregor, general merchant, Coe Hill Mines, Ont., has been succeeded by Henry Johnson.

Robert R. Douglas, blacksmith, baker and grocer, Blyth, Ont., is advertising his blacksmith business for sale.

FIRES.

Israel Morin, carriagemaker, Garthby, Que., has been burned out.

Claxton & Son, general merchants, Orillia and Orangeville, Ont., have suffered loss by fire in Orangeville.

Chas. Simpkins, general merchant, and David Tait, grocer, Bothwell, Ont., have been burned out. T. Gurd, general merchant, has been partially burned out.

S. B. Anderson, hardware dealer, and George Johns, blacksmith and liveryman, Bothwell, Ont., have been burned out.

The stock of Gilmour Bros. & Co., wholesale dealers in hardware and grocery sundries, Montreal, has been slightly damaged by smoke and water ; insured.

DEATHS.

Nelson Willard, hardware dealer, Prescott, Ont., is dead.

A NEW LAWN SPRINKLER.

The Champion Manufacturing Co. are putting on the market a newly patented lawn sprinkler which they claim is a great improvement over any other make. It is very easy to work and cannot be put out of order. It gives a very fine spray — much like a shower of rain — whilst, at the same time, throwing a large body of water over a circumference of from 20 to 30 feet. They are made in three sizes, and, besides being sprinklers, can be used for spraying vines, bushes and flowers. Meakins, Sons & Co., of Hamilton and Montreal, are sole agents for them.

We Want Your Axe Order FOR FALL SHIPMENT.

Kindly hold it till our representatives call on you.

James Warnock & Co., - Galt, Ont.



"GREENING'S COW TIES"

These Cow Ties have stood the test for years.

Undoubtedly the best and strongest on the market.

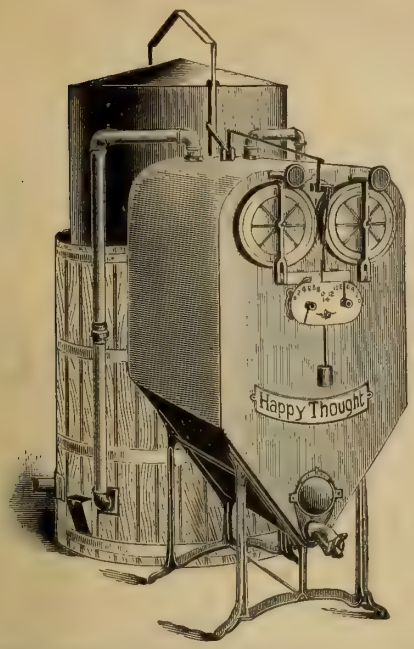
It will pay to handle only the best.

A complete line of all sizes ready for shipment.

For sale by all jobbers.

The B. GREENING WIRE CO.
LIMITED
MONTREAL AND HAMILTON.

ACETYLENE GAS.



Send for Catalogue—the best machine made—no waste or after generation—special approval from Fire Underwriters.
THE GUELPH ACETYLENE GAS CO., LIMITED
GUELPH, ONT.



STEEL LETTERS and FIGURES.

If your Jobber does not keep our steel letters and figures send to us direct, we make everything in steel stamps.

HAMILTON STAMP & STENCIL WORKS
Hamilton, Ont

D. F. Jones Manufacturing Co. Limited, of Gananoque, Ont.

Established 1852.

Shovels
Spades
Draining Tools

TRADE MARK. J D.F.J.MF'G.CO.

Grain and Coal Scoops and Miners' Shovels

The only Canadian manufacturers of Plain Back Shovels and Spades **THAT ARE SOLID,** without weld, and graduated from socket to point, and from centre to sides, of blades.
All our goods have trade mark on the handle.

FULL STOCK

DIAMOND BRAND



WIND GUARDS, CHIMNEY TOPS, FLUE LININGS,
CULVERT PIPES, SEWER PIPES, INVERT BLOCKS.

Manufactured by the

HAMILTON AND TORONTO SEWER PIPE CO.
Hamilton, Ontario. Limited

FOR SALE.

A NEW MARLIN RIFLE

Never been used. Just the Rifle for practice. Price $30. Will take $20.

19 Board of Trade, Montreal.

FOR SALE.

FOR SALE—BRANCH STORE—PLUMBING, Hardware, Stove, Furnace and Tinning Business. Established five years. Sales doubled in last year Only store of its kind within ten miles. Reasons for selling—Have all the business proprietors care to see to at their main store. $3,500 stock and fixtures. Rare chance for business man. Address, H. L. WHEELOCK, Rock Island, Quebec. t.f.

HARRINGTON & RICHARDSON ARMS CO.

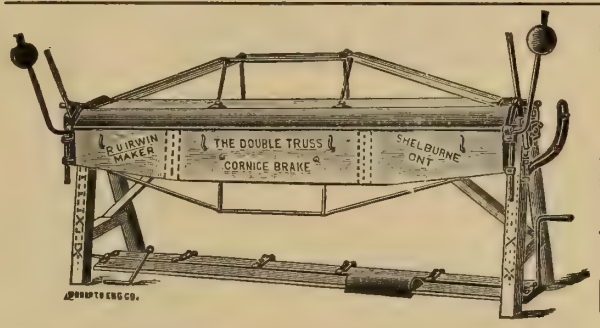
WORCESTER, MASS., U. S. A.



Makers of
High Grade REVOLVERS

SEND FOR COMPLETE CATALOGUE.

For sale by Sporting Goods and Hardware Stores almost everywhere.



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

Price, $50

Very handy beader attachment, $10 extra, if required.
Send for circulars and testimonials to

The Double Truss Cornice Brake Co. SHELBURNE, ONT.



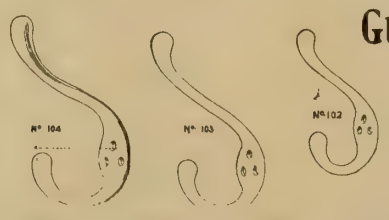
Geo. D. Wood & Co.

WINNIPEG, MAN.

Importers of and Dealers in

SHELF AND HEAVY
HARDWARE, PAINTS, OIL, GLASS, PUMPS, ETC.

Stock now **complete** in seasonable lines. **Prompt** shipment.
Letter orders receive **special** attention.



Gunn's Patent "Brassic" Goods

Made by an entirely new process.
Cheaper and better than old style.
Your stock not complete without them.

THE GUNN CASTOR CO., Limited
KNOX HENRY,
Canadian Agent, 220½ Board of Trade, MONTREAL.

EVERY ORIGINAL TIN HAS THIS IMPRESSION NOBLES & HOARE LONDON ENGLAND ON A WHITE CAPSULE

Nobles & Hoare.

CORNWALL ROAD STAMFORD STREET.

LONDON, ENG.

Manufacturers of

HIGH-CLASS VARNISHES ONLY

Which can be obtained direct from the works or from the principal Color Dealers in Canada.

WADE & BUTCHER'S

"SPECIAL" Razors

Are unequalled for quality and finish.

JAMES HUTTON & CO., - MONTREAL

Sole Agents for Canada.

CURRENT MARKET QUOTATIONS

July 7, 1899.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—		
56 and 28 lb. ingots, per lb.	0 31	0 32
Straits	0 30	0 31

Tinplates.

Charcoal Plates—Bright.

	Per box.
M.L.S., equal to Bradley.	
I.C., usual sizes	$5 75
I.X., "	7 00
I.X.X., "	8 25
R. & Co.—	
I.C	5 50
I.X	6 75
I.X.X	8 00
Famous—	
I.C.	5 50
I.X.	6 75
I.X.X	8 00
Raven & Vulture Grades—	
I.C., usual sizes	4 50
I.X., "	5 25
I.X.X. "	6 00
I.X.X., "	6 75
D.C., 12½x17	4 00
D.X	4 75
D.X.X	6 75

NOTE.—Other brands might be shaded by 25c per box.

Coke Plates—Bright.

Bessemer Steel—	
I.C., usual sizes	4 00
I.C., special sizes, base	4 25
20x28	7 50

Charcoal Plates—Terne.

Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	7 50
I.X., Terne Tin	9 00

Charcoal Tin Boiler Plates.

	Per lb.	
Cookley Grade—		
X X., 14x56, 50 sheet bxs	0 06½	0 07
" 14x60 "		
" 14x65, "		

Tinned Sheets.

72x30 up to 24 gauge	0 06¼	0 06¾
" 26 "	0 06¾	0 07
" 28 "	0 07½	0 07¾

Iron and Steel.

	Base	Price
Common Bar, per 100 lbs	1 90	1 95
Refined " "		2 20
Horse Shoe	1 85	1 90
Hoop steel, 1½ to 3 in. base, extras for smaller sizes		2 60
Swedish " "	4 00	4 25
Sleigh Shoe Steel " base		2 60
Tire Steel		2 50
Machinery		2 65
Cast Steel, per lb	0 10	0 14
Toe Calk Steel		2 95
Toe Weight Steel		6 10
Thos. Firth & Sons' Cast Steel	0 12	0 14
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker.	2 00	2 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½-inch	0 11
2 "	0 12
2½ "	0 14
"	

Steel Boiler Plate.

¼ inch	3 25
3-16 inch	3 40
⅜ inch and thicker	3 25

Black Sheets.

18 gauge	2 60
20 "	2 60
22 to 24 "	2 70
26 "	2 80
28 "	3 00

Canada Plates.

All dull, 52 sheets	2 75
Half polished	2 85
All bright	3 20

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ½ inch $3 25: ¾ inch, $3.80; 1 inch, $5.25; 1¼ inch, $7.00; 1½ inch, $8.75; 2 inch, $12.00. 2½ to 6 inch, discount 50 p.c.

Galvanized, ⅜ inch to ½ inch, $6.00; ¾ inch, $8.00 1 inch, $11.00; 1¼ inch, $15.25; 1½ inch, $19.00; 2 inch, $27.00.

Galvanized Iron.

	G C. Comet.	Amer.	Queen's Head.
16 gauge		3 85	4 00
18 to 24 gauge	4 25	4 00	4 25
26 "	4 50	4 25	4 50
28 "	4 75	4 60	4 75

Less than case lots, 25c. per 100 lb. additional.

Chain.

Proof Coil, 3-16 in., per 100 lbs		
" ¼ " "		6 75
" 5-16 " "		4 75
" ⅜ " "		4 30
" 7-16 " "		4 15
" ½ " "		3 05
" ⅝ " "		3 85
" ¾ " "		3 75
Trace, per doz. pairs	3 60	5 90
Jack chain, iron, single, per doz. yards	0 13	0 50
Jack chain, double, per doz. yards		0 15
Jack chain, brass, single, per doz. yards	20	10

Copper.

Ingot.

English B. S., ton lots	0 19	0 19½
Lake Superior		

Bolt or Bar.

Cut lengths, round, ½ to ⅞ in.	0 23½	0 25
" round and square 1 to 2 inches	0 23½	0 25

Sheet.

Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 23	0 23½
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 23	0 23½

NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.

Tinned copper sheets		0 26
Planished		0 32

Braziers. (In sheets.)

4x6 ft. 25 to 30 lbs. ea., per lb.		0 25
" 35 to 45 " "		0 24
" 50-lb. and above, "		0 23

Boiler and T. K. Pitts.

Plain Tinned, per lb		0 28
Spun, per lb		0 32

Brass.

Roll and Sheet, 14 to 30 gauge. 5 per cent.

Sheets, hard-rolled, 2x4	0 24	0 25
Tubing, base, per lb	0 24	0 25

Zinc Spelter

Foreign, per lb	0 07½	0 07¼
Domestic "		

Zinc Sheet.

1 cwt. casks		0 08¼
Part casks		0 08½

Lead.

Imported Pig, per lb	0 04¼	0 04½
Domestic, per lb		
Bar, 1 lb		05¼
Sheets, 2½ lbs. sq. ft., by roll.	0 05	05¼
Sheets, 3 to 6 lbs., per sq. ft., by roll	0 04¾	0 05

NOTE.—Cut sheets ½ cent per lb. extra Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 20 per cent. discount

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths, lists at 7½ cents.

Shot.

Net list; no discount.

Soil Pipe.

Discount, 60 per cent.

Solder.

	Per lb.	Per lb.
Bar half-and-half	0 17	0 18½
Refined	0 16½	0 17¾
Wiping	0 16	0 17

NOTE.—Prices of this graded according to quantity. The prices of other qualities or solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 11	0 11½

White Lead.

	Per cwt.
Pure, Assoc. guarantee, ground in oil, 25 lb. irons	6 12½
No. 1 do	5 74½
No. 2 do	5 37½
No. 3 do	5 00
No. 4 do	4 62½
Robertson's Chemically Pure	6 12½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B. B. Genuine	8 12½
" " No. 1	7 25
James' genuine	7 20
" " No. 1	6 75

White Zinc Paint.

Elephant Snow White	0 08
Pure Whiie Zinc	0 08
No. 1	0 06
No. 2	0 05

Dry White Lead.

Pure, casks	0 05⅛
Pure, kegs	0 05⅜
No. 1, casks	0 04⅞
No. 1, kegs	0 05⅛

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)

Pure, per gallon		1 00
Second qualities, per gallon		0 90
Barn (in bbls.)	0 70	0 90
The Sherwin-Williams Paints		1 20
Canada Paint Co's Pure	1 00	1 10
Robertson's Pure	1 00	1 10
Sanderson Pearcy's Pure	1 00	1 10

Colors in Oil.

(25 lb. tins, Standard Quality.)

Venetian Red, per lb	0 05
Chrome Yellow	0 11
Golden Ochre	0 06
French "	0 05
Marine Black	0 09
" Green	0 09
Chrome "	0 08
French Imperial Green	0 19

Colors, Dry.

Yellow Ochre (J. C.) bbls. per cwt	1 35	1 40
Yellow Ochre (J.F.L.S.), bbls. per cwt		2 75
Yellow Ochre (Royal), per cwt	1 10	1 15
Brussels Ochre		2 00
Venetian Red (best). per cwt.	1 80	1 90
English Oxides, per cwt.	3 00	3 25
American Oxides, per cwt	1 75	1 90
Canadian Oxides, per cwt.	1 75	1 90
Burnt Sienna, pure, per lb.		0 10
" Umber, "		0 10
do aw		0 09
Drop Black, pure		0 09
Chrome Yellows, pure		0 18
Chrome Greens, pure. per lb.		0 12
Golden Ochre		0 03¾
Ultra marine Blue in 28-lb boxes, per lb.	0 08	0 24
Fire Proof Mineral, per 100 lb.		1 00
Genuine Eng. Litharge, per lb		0 07
Mortar Color, per 100 lb.		1 25
James' Gen. Red Lead, 100 lb		0 04⅞
Pure Indian Red, No. 45, lb.		0 08
Whiting, per 100 lb.		0 55

Paris Green.

250 lb. casks	0 13½
50 lb. drums	0 14
1 lb. packages	0 15
½ lb. "	0 16½
1-lb. tins	0 15½

Sulphate of Copper.

Casks, for spraying, per lb.	0 07
100-lb. lots, do. per lb.	0 08

Putty.

Bladders in bbls.	1 80
Bladders in 100 or 200 lb. kegs or bxs	1 95
Bulk in bbls., per 100	1 65
Bulk in less quantities	1 80
25-lb. tins, 4 in case	2 05
12½-lb. tins, 8 in case	2 30

Quotations f.o.b. Toronto—10c. per 100 lbs. extra Hamilton, London, Guelph. For quantities less than 100-lbs., 2½c. per lb.

Varnishes.

(In 5-gal. lots.).		Per gal.
Carriage, No. 1	1 30	1 40
Extra do.	1 50	1 60
Body Varnish	3 40	3 50
Furniture Varnish	0 50	0 60
Extra do.	1 00	1 10
Demar Varnish		1 50
Hard Oil Finish	1 30	1 35
Orange Shellac Varnish	2 00	2 10
White Shellac	2 20	2 25
Rubbing Varnish		2 00
Brown Japan		0 75
Elastic Oak	1 20	1 30

Linseed Oil.

Raw, per gal. net	0 57
Boiled, per gal. net	0 60

Outside points 1c. more than above figures

Turpentine.

1 to 4 barrels, net	0 62

Outside points 1c. more

Castor Oil.

In cases, per lb	0 09
Small lots	0 10

Cod Oil, Etc.

Cod Oil, per gal.	0 50 0 55
Pure Olive	1 20
" Neatsfoot	9c

Glue.

(In bbls.)

Common	0 08½	0 09
French Medal	0 12	0 12½
Cabinet, sheet	0 11	0 12
White, extra	0 16	0 18
Gelatine	0 22	0 30
Strip	0 16	0 18
Coopers	0 19	0 20
Al clear		0 09

HARDWARE.

Ammunition.

Cartridges.

B. B. Caps. Dom., 50 and 5 per cent.
Rim Fire Pistol, dis. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18 p.c. Amer.

SHAFTING HANGERS PULLEYS

We manufacture and carry in stock ready for prompt shipment, a full line of Shafting, Hangers and Pulleys

Especially suited for Creamery and Dairy Work.

Up-to-date goods. Correct prices.
Prompt shipments. 270-page catalogue free.

DODGE MANUFACTURING CO. OF TORONTO, LIMITED

Works: Toronto Junction. **Office: 74 York St., TORONTO, ONT.**

Central Fire Cartridges, pistol sizes, Dom. 30 per cent
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps discount 45 per cent. Amer
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.
Brass shot Shells, 55 and 10 per cent.
Primers, Dom., 80 per cent.

Wads.

	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 100 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 33⅓ per cent.

Anvils.

Per lb	0 10	0 12½
Anvil and Vice combined each		4 50
Wilkinson & Co.'s Anvils..lb.	0 09	0 09½
Wilkinson & Co.'s Vices..lb.	0 09¾	0 10

Augers.

Gilmour's, discount 50 and 10 p.c. off revised list.

Hollow, Stearn's, per dozen..	13 00	20 00
Adjustable, Stearn's, each..	4 50	6 50
Post-hole, Vaughan's, each..	60	90

AXES.

Splitting Axes	5 25	5 50
Chopping Axes—		
Single List, per doz	8 00	12 00
Double List, "	11 00	18 00

Bench Axes, 40 and 15 p.c.
Broad Axes, 33⅓ per cent.

Bath Tubs.

Zinc	3 90	4 00

Copper, discount 40 and 10 p.c. off revised list
Steel clad, 20 per cent. discount off revised list. Boxing extra.

Anti-Friction Metal.

"Tandem" A	per lb.	0 23
" B	"	0 19
" C	"	0 11½

Magnolia Anti-Friction Metal, per lb. 0 25
F. O. B. New York or Chicago.

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent.

Door.

Gongs, Sargant's 5 50 8 00
" Peterboro', discount 50 per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Farm.

American, each 1 25 3 00

House.

American, per lb 0 35 0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00

Blacksmiths', discount 60 per cent.

Belting.

Extra, 50 per cent.
Standard, 50 and 10 to 50, 10 and 5 per cent.
Agricultural, 60 and 10 p.c.

Bits.

Auger.

Gilmour's, discount 50 and 10 per cent
Rockford, Common, 70 to 70 and 10 per cent.
" Perfection, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent.

Gimlet.

Clark's, per doz	0 65	0 90
Diamond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind Rollers.

Annex, per doz	1 25	1 75
Mascott, "	1 35	1 85
Erminie, "	1 00	0 00

Blind and Bed Staples.

All sizes, per lb 0 07¾ 0 12

Bolts and Nuts.

	Per cent.
Norway Bolts, full square	67½
Common Carriage Bolts, 5-16 & under..	57½
" " " ⅜ and larger.	57½
" " " full square...	67½
Machine Bolts, all sizes	57½
Coach Screws	72½
Sleigh Shoe Bolts	72½
Blank Bolts	57½
Bolt Ends	62½
Nuts, square	4c ..
Nuts, hexagon	4½c. ..
Tapping Nuts	60
Tire Bolts	60 and 10
Stove Bolts	60 and 10

Boot Calks.

Small and medium, per M	4 50	
Small heel, per M	4 25	

Brollers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent.

Henis, No. 8, "		6 00
Henis, No. 9, "		7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Plain building, per roll	0 28
Tarred lining, per roll	0 35
Tarred roofing, per 100 lb	1 40
Coal Tar, per barrel	3 75
Pitch, per 100-lb	0 60
Carpet felt, per 100 lb	2 25

Bull Rings.

Copper, $1.50 for 2½ in. and $2 for 2 in.

Butts.

Brass.

Wrought Brass, dis., 10 p.c. revised list.

Cast Iron.

Loose Pin, dis., 60 to 60 and 10 per cent.

Wrought Steel.

Fast Joint, dis. 70 and 10 per cent.
Loose Pin, dis. 70 and 10 per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.
Gen. Bronzed, per pair 0 40 0 65

Cards.

Horse, per doz 0 60 1 00

Carpet Sweepers.

Bissell, per doz		22 50
World, "		24 75
Daisy, "		24 00
Star, "		18 00
Crown Jewel, per doz		29 00
Grand Rapids, "	24 00	33 00

Carpet Stretchers.

American per doz	1 00	1 50
Bullard's, per doz	6 50	

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	2 65	2 90
English "		3 00
Belgian "		2 70
Canadian hydraulic	1 00	1 10

Figures are for barrel lots.

Chalk.

Carpenters, Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket Framing and Firmer.

Brad's, dis. 70 and 5 per cent.
Warnock's, dis. 40 and 10 per cent.

Churns.

Revolving Churns, metal frames—No 0, $3—No. 1, $3.2—No. 2, $3.40—No. 3, $3.75—No. 4, $4.50—No. 5, $5.90 each. Ditto, wood frames—15c. each less than above. Terms 4 months or 3 p.c. off 30 days, f.o.b.

Clips.

Axle dis. 65 per cent.

Closets.

Washout, plain		3 75
" embossed		4 00
Connections		1 10

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 20 per cent. from factory.

Dies.

Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. per cent.

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Broad's, dis 75 per cent.
Warnock's, dis. 50 and 10 per cent.

Drills.

Hand and Breast.

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis. 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.

Stovepipe.

Per doz 0 85 1 70

FILES.

Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Jowitt's, English list, 25 to 27½ per cent
Mechanics' Star & File Mfg. Co. Discount 60 and 10 to 70 per cent.

FORKS.

Hay, manure, etc., dis., 60 and 10 to 60 and 5 p. c. revised list.

FREEZERS

Ice Cream.

White Mountain, 1 to 25 qt... 1 35 13 50
Arctic, dis. 50 p.c.

FRY PANS.

Acme, dis. 65 to 67½ per cent.

FRUIT PRESSES.

Henis', per doz	3 25	3 50

Shepard's Queen City, dis 15 per cent.

GAUGES.

Marking, Mortise, Etc.

Stanley's, dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

GLASS.

Window.

Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	Double Diamond Per 50 ft.	Double Diamond Per 100 ft.
Under 26	2 00	3 75	3 20	6 00
26 to 40	2 15	4 05	3 40	6 65
41 to 50	...	4 50	....	7 00
51 to 60	....	4 75	....	8 25
61 to 70	....	5 10	....	9 00
71 to 80	....	5 50	....	10 00
81 to 85	....	6 10	....	11 50
86 to 90	....	7 25	....	13 50
91 to 95	....	....	....	15 00
96 to 100	....	....	....	18 00
101 to 105	....	....	....	20 50
106 to 110	....	....	....	23 50

HALTERS.

Rope, ⅜ per gross	8 25	8 55
" ½ "	9 25	6 50
" ⅝ "	11 00	11 20
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis 5 to 10 per cent. Can. dis. 25 to 27½ per cent.

Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz., net	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pair	0 40	2 50

Fork

C. & B., dis. 45 per cent. rev. list.

Hoe.

C. & B., dis. 45 per cent. rev. list.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 45 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾	0 20

HANGERS.

Door, 4 and 5 inch, per pair	0 40	0 50

Lane's, 62½ per cent.

HARVEST TOOLS.

Discount, 60, 10, and 5 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent.

HINGES.

Blind, Parker's, dis. 60 and 10 to 65 per cent
" Shepard's Noiseless, dis. 60 per cent.
" " Buffalo, dis. 60 to 70 p. c.

Heavy T and strap, 4-in., per lb		0 05
" " 5-in., "		0 04¾
" " 6-in., "		0 04½
" " 8-in., "		0 04¼
" " 10-in., "		0 04

Screw hook and hinge—

3 to 12 in., per 100 lbs		3 75
14 in. up, per 100 lbs		3 00
		Per gro. pair
Spring		8 50

HOES.

Garden, Mortar, etc., dis 60, 10 and 5 p.c.
Planter, per doz 4 00 4 50

HOOKS.

Cast Iron.

Bird Cage, per doz	0 50	1 10
Clothes Line, per doz	0 27	0 63
Harness, per doz	0 72	0 88
Hat and Coat, per gross	1 00	3 00
Chandelier, per doz	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.

Hat and Coat, discount 60 per cent.
Belt, per 1,000 ..... 0 60 0 70
Screw, bright, dis. 65 and 10 per cent.

HORSE NAILS.

"C" brand 50 p.c. dis. } Oval head.
"M" brand 50 p.c. }

Acadian, 50 and 20 p.c., countersunk head.

HORSESHOES.

F.O.B. Toronto.

Iron Shoes.	No. 2 and larger.	No. 1. and smaller.
Light, medium, and heavy	3 50	3 75
Snow shoes	3 75	4 00

Steel Shoes.

Light	3 75	4 00
Featherweight (all sizes)	5 00	5 00

ICE PICKS.

Star, per doz	3 00	3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb 0 30 0 35
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 50 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz		0 90
Bronze, Berlin, per doz	2 75	3 25
Bronze Genuine, per doz	6 00	9 00
Shutter, porcelain, F. & L. screw, per gross	1 30	4 00

KNIVES.

Clauss, bread, cake, and paring knives, $7 00 doz. sets net. to 10 per cent.
Christie, bread, cake, and paring knives, $7 00 doz. sets, with 10 p.c. off.
Hay knives, spear point, L. or T handle, 60 10 and 5 per cent.

Lightning, per doz	6 50	8 40
Health's, $7.75 net.		

LANTERNS.

Cold Blast, per doz	7 00
No. 3 "Wright's"	8 00

LEMON SQUEEZERS.

	per doz.	
Porcelain lined	2 20	5 60
Galvanized	1 87	3 85
King, wood	2 75	2 90
King, glass	4 00	4 50
All glass	1 20	1 30

LINES.

Fish, per gross	1 05	2 50
Chalk "	1 90	7 40

LOCKS.

Canadian, dis. 50 p.c.

Russell & Erwin, per doz	2 00	2 20

Cabinet.

Eagle, dis. 30 p.c.

Padlock.

English and Am., per doz	50	6 00
Scandinavian, "	1 00	2 40

Eagle, dis. 15 to 17½ p.c.

MACHINE SCREWS.

Iron and Brass.

Flat head, discount 25 p.c.
Round Head, discount 20 p.c.

MALLETS.

Tinsmiths', per doz	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz.	3 85	5 00
Caulking, each	60	2 00

MATTOCKS.

Canadian, per doz	8 50	10 00

American, 60 and 10 p.c. off list.

MEAT CUTTERS.

American, dis. 30 to 32½ p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 and 10 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2d. and 3d	$2 15	$3 65
31	2 80	3 30
4 and 5d	2 75	3 05
6 and 7d	2 55	2 95
8 and 9d	2 30	2 80
10 and 12d	2 25	2 75
16 and 20d	2 20	2 70
30, 40, 50 and 60d. (base)	2 15	2 65

Steel Cut Nails 10c. extra.

NAIL PULLERS.

German and American	1 85	3 50

NAIL SETS.

Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.

Poultry, 50 and 5 per cent. for McMullen's.

OIL.

Canada refined (Toronto)	....	0 13½
Sarnia Water White	....	0 15
" Prime Water	....	0 14
American w. w.	....	0 16½
Pratt's Astral	....	0 18

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz	0 00	10 00

Zinc and tin, dis. 50, 50 and 10.

Copper, per doz	1 25	3 50
Brass, "	1 50	3 50

Malleable, dis. 25 per cent.

PAILS.

	per doz.
Galvanized, straight pattern No. 12	2 00
Galvanized, straight pattern No. 14	2 25
Galvanized, straight pattern No. 16	2 55
Flaring pattern, No. 11	2 25
" " No. 12	2 50
" " No. 13	2 85
" " No. 14	3 30

PICKS.

Per doz	6 00	9 00

PICTURE NAILS.

Porcelain head, per gross	1 40	3 00
Brass head, "	0 40	1 00

PLANES.

Wood, bench, Canadian dis. 55 per cent. American dis. 55.
Wood, fancy Canadian or American, 37½ to 40 per cent.
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.
Miscellaneous, dis. 25 to 27½ per cent.
Bailey's Victor, 25 per cent.

PLANE IRONS.

English, per doz	2 00	5 00

PLIERS AND NIPPERS.

Button's Genuine, per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz.. 5 00 9 00
German, per doz 0 60 2 60

PULLEYS.

Hothouse, per doz	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS

Canadian cistern	1 40	2 25
Canadian pitcher spout	1 15	2 00

PUNCHES.

Saddlers', per doz	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set	0 00	0 72
" hollow, per inch	0 00	1 00

RAKES.

Cast steel and malleable Canadian, list dis. 60, 10 and 5 p.c. revised list.
Wood, 25 per cent.

RASPS AND HORSE RASPS.

New Nicholson horse rasp, discount 60 p.c.
Globe File Co.'s rasps, 60 and 10 to 70 p.c.
Heller's Horse rasps, 50 to 50 and 5 p.c.

RAZORS.

	per doz.	
Geo. Butler & Co.'s	8 00	18 00
Boker's	7 50	11 00
Wade & Butcher's	3 60	10 00
Theile & Quack's	7 00	12 00

RIVETS AND BURRS.

Carriage, Section, Wagon Box Rivets, etc. (Steel), 60 p.c.
Carriage, Section, Wagon Box Rivets, et (Norway Iron), 55 p.c.
Black M. Rivets (Steel), 45 p.c.
Black and Tinned Rivets, 60 p.c.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets & Burrs, 35 p.c. dis., and cartons, 1c. per lb. extra, net.
Extras on Tinned or Coppered Rivets in ½-lb. cartons, 1c. per lb.
Burrs, iron or steel, 40 per cent.
Terms, 4 mos. or 3 per cent. cash 30 days.

RIVET SETS.

Canadian, dis. 35 to 37½ per cent.

ROPE, ETC.

	Sisal.	Manila.
7-16 in. and larger, per lb.	10½	12
⅜ in.	11	12½
¼ and 5-16 in.	11½	13
Cotton		13
Russia Deep Sea		14½
Jute	6¾	7½
Lath Yarn		8¾
New Zealand Rope		9½

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

Mrs. Potts, per set	0 67½
" N. P., per set	0 80

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 2½ per cent.
Emery, 40 per cent.

SASH CORD.

Per lb	0 20	0 50

SASH WEIGHTS.

Sectional, per 100 lbs	1 40	1 75
Solid, "	....	1 25

SAWS.

Hand, Disston's, dis. 12½ to 15 p.c.
S. & D., 40 per cent.

Crosscut, Disston's, per ft	0 35	0 55

S. & D., dis. 35 p.c. on Nos. 2 and 3.

Hack, complete, each	0 75	2 75
" frame only	....	0 75

SAW SETS.

"Lin oln," per doz	5 50	6 00

SCALES

Gurney Scales, 50 p.c.
B. S. & M. Scales, 50 p.c.
Champion, 60 per cent.
Fairbanks Standard, 45 p.c.
" Dominion, 60 p.c.
" Richelieu, 60 p.c.
Chatillon Spring Balances, 25 p.c.

SCREENS.

Door, patent, per doz	6 00	12 00
Window, per doz	2 00	3 00

SCREW DRIVERS.

Sargent's, per doz	0 65	1 00

SCREWS

Wood, F. H., iron, and steel, 82½ and 5 p.c.
Wood R. H., " dis. 75 and 5 p.c.
" F. H., brass, dis. 75 and 5 p.c.
Wood, R. H., " dis. 67½ and 5 p.c.
" F H, bronze, dis 67½ and 5 p.c.
" R.H. " 62½ and 5 p.c.
Drive Screws, 82½ and 5 per cent.

Bench, wood, per doz	3 25	4 00
" iron, "	4 25	5 75

SCYTHES.

Discount, per doz. net	4 50	6 00

SCYTHE SNATHS.

Canadian, dis. 50 p.c.

SHEARS

Seymour's, dis. 50 and 10 p.c.
Heinisch, dis. 50 and 10 p.c.
Clauss, full nickel, 50 and 10 p.c.
" japanned handles, 67½ p.c. off.
Seymour or Heinisch tailor shears, 15 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SNAPS.

Harness, German, dis. 35 to 37½ p.c.		
Acme	3 00	5 00
Lock, Andrews'	4 50	11 50

SOLDERING IRONS.

1, 1½ lb., per lb	0 37
2 lb. or over, per lb	0 34

WROUGHT SPIKES.

Discount, 35 to 40 per cent.

SQUARES.

Iron, per doz	1 65	2 90

Steel, dis. 70 per cent., revised list.
Try and bevel, dis. 50 to 52½ p.c.

STAPLES.

Galvanized		3 25
Bright		3 00

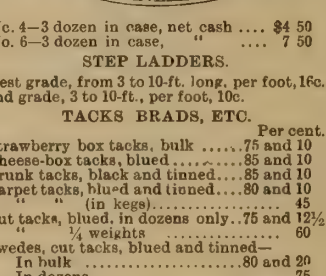
STOCKS AND DIES.

American dis. 25 p.c.

STONE.

		Per lb.,	
Washita		0 28	0 60
Hindostan		0 06	0 07
" slip,		0 09	0 09
Labrador		....	0 13
" Axe		....	0 15
Turkey		....	0 50
Arkansas		0 00	1 50
Water-of-Ayr		0 00	0 10
Scythe,	per gross	3 50	5 00
Grind,	per ton	15 00	18 00

Stove Polish.



Nc. 4—3 dozen in case, net cash $4 50
No. 6—3 dozen in case, " 7 50

STEP LADDERS.

Best grade, from 3 to 10-ft. long, per foot, 16c.
2nd grade, 3 to 10-ft., per foot, 10c.

TACKS BRADS, ETC.

	Per cent.
Strawberry box tacks, bulk	75 and 10
Cheese-box tacks, blued	85 and 10
Trunk tacks, black and tinned	85 and 10
Carpet tacks, blued and tinned	80 and 10
" (in kegs)	45
Cut tacks, blued, in dozens only	75 and 12½
" ¼ weights	60
Swedes, cut tacks, blued and tinned—	
In bulk	80 and 20
In dozens	75
Swedes, upholsterers', bulk	85 and 10
" brush, blued and tinned, bulk	50
" gimp, blued, tinned & japanned	75
Zinc tacks	30
Leather carpet tacks	60
Copper tacks	50
Copper nails	52½
Trunk nails, black and tinned	70 and 12½
Clout nails, blued and tinned	70 and 10
Chair nails	40
Cigar box nails	40
Patent brads	45
Fine finishing	45
Picture frame points	25
Lining tacks, in papers	10
" " in bulk	15
" " solid heads, in bulk	80
Saddle nails in papers	10
" " in bulk	15
Tufting buttons, 22 line, in dozens only	60
Tin capped trunk nails	15
Zinc glazier's points	5
Double pointed tacks	85 and 10

TAPE LINES.

English, ass skin, per doz	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TINWARE.

Stamped, dis., Assn. list, 80 per cent.
Japanned, prices on application.
Pieced, prices on application.

TRANSOM LIFTERS.

Payson's per doz	2 60

TRAPS. (Steel.)

Game, Newhouse, dis. 40 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's, discount 10 per cent.

German, per doz	4 75	6 00
Brade's "	5 00	10 50

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb	....	0 21
Wrapping, mottled, per pack.	0 50	0 60
Wrapping, cotton, per lb	0 17	0 18
Mattress, per lb	0 33	0 45
Staging, "	0 27	0 35
Broom, "	0 30	0 55

VISES.

Hand, per doz	4 00	6 00
Bench, parallel, each	2 00	4 50
Coach, each	6 00	7 00
Peter Wright's, per lb	0 12	0 13
Pipe, each	5 50	9 00
Saw, per doz	6 50	13 00

WIRE.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Smooth Steel Wire, base, $2.60 f o.b. factory points List of extras: Nos. 2 to 5, advance 7c. per 100 lb.—Nos. 6 to 9 base—No. 10, advance 7c.—No. 11, 14c.—No. 12, 20c—No. 13, 35c.—No. 14 47c.—No. 15, 60c.—No. 16, 75c. Extras net per 100 lb.: Coppered wire, 60c.—tinned wire, $2—oiling, 10c.—special hay-bailing wire, 30c.—spring wire, $1—best steel wire, 75c.—bright soft drawn, 15c.—in 50 and 100-lb. bundles net, 10c.—in 25-lb. bundles net, 15c.—packed in casks or cases, 15c.—bagging or papering, 10c.
Fine Steel Wire, discount 25 per cent. factory. List of extras: In 100-lb. lots; No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 24, $7.30—No. 23, $7.65—No. 24, $8—No. 25, $9—No. 26, $9.50—No. 27, $10—No. 28 $11—No 29, $12—No. 30, $13—No. 31, $14—No 32, $15 No. 33, $16—No. 34, $17. Extras net—tinned wire. Nos. 17-25, $2—Nos. 26-31, $4—Nos 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles. 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.40—No. 9, $2.90—No. 10, $3.50—No. 11, $3.55—No. 12, $3 05—No. 13, $3.15—No. 14, $3 90—No. 15, $4.50—No. 16. $4.65.

Broom Wire, per lb	0 05	0 05½
Clothes Line Wire, 19 gauge, per 1,000 feet	2 75	3 00

WIRE FENCING.

	F.O.B Toront
Galvanized, 4 barb, 2¼ and 5 inches apart	3 25
Galvanized, 2 barb, 4 and 6 inches apart	3 25
Galvanized, plain twist	3 25

Terms, 2 per cent. in 10 days.

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net	1 75

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 70 to 70 and 10 p.c.
Standard, dis. 60, 60 and 10 per cent.
Coe's Genuine, dis. 30 to 32½ p.c.
Diamond dis. 33⅓ to 35 per cent.

Towers' Engineer, each	2 00	7 00
" S., per doz	5 80	6 00
G. & K.'s Pipe, per doz	....	3 40
Burrell's Pipe, each	....	3 00
Pocket, per doz	0 25	2 90

WRINGERS.

Leader, per doz.	$60 00
Royal Canadian "	58 00
Royal American "	48 00

Discount, 45 per cent.: terms 4 months, or 3 p c 30 days Prices are f.o.b. London, Hamilton, Toronto, Brockville or Montreal.

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Limited

Formerly Knowles, Ham & Nott Co., Limited

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Manufacturers of Refrigerators, Screen Doors, Screen Windows, etc. Household Refrigerators in four lines, Grocers' Refrigerators two lines, Screen Doors six lines, Screen Windows three lines. All in various sizes. Our aim is to make first-class goods at the right prices, and to deal fairly with all having dealings with us. Send for 1899 catalogue.

1879 ESTABLISHED 1879

ESSEX HANDLE and WOOD TURNING WORKS.

Late of Essex, now LEAMINGTON, ONT.

Makers of Axe, Fork, Rake, Hoe, Sledge, Broom, Hammer, and all kinds of Handles. Neck Yokes, Singletrees, and Doubletrees, Bench Saws, Exercise Clubs, Baseball Bats, etc., etc. Do you sell any Shaved Pattern and Octagon Axe Handles? The largest and best trade in Canada does, because they give best satisfaction. **All stock air-dried,** not kiln-dried. If you are going to be in it, place your order with

GARDNER BROS. & CO.

"THE BEST IS CHEAPEST."

Buy McMullen's unequalled

Poultry Netting

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Fencing.

Made by

The Ontario Wire Fencing Co.

Limited

PICTON, ONT.

For sale by The Canadian Hardware Jobbers; The B. Greening Wire Co., Hamilton and Montreal, General Agents, and James Cooper, Montreal, Agent for Railway Fencing. (20)

CHAS. F. CLARK, President. **Established 1849.** JARED CHITTENDEN, Treasurer.

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Toronto Office: Cor. Jordan and Melinda Sts.

THOS. C. IRVING, Superintendent.

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HARDWARE AND METAL, Toronto

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BASKETS

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Made with shorter barrel for bicycle use.

The most perfect small pistol made.

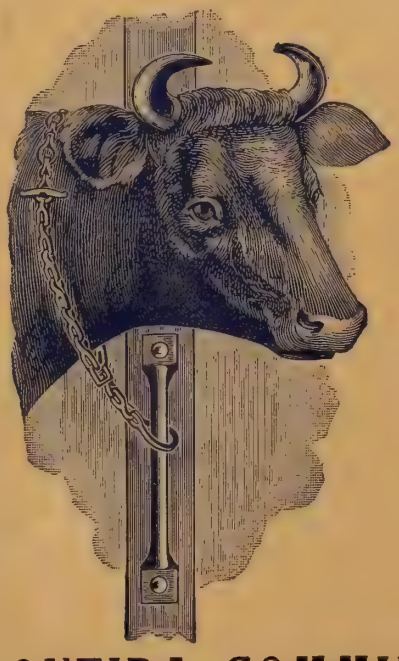
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Manufacturers of the

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Dominion Pattern

Cow Tie AND Stall Fixture

The special features of the tie and stall fixture are well shown in the illustration. As will be noticed the chain is very short which prevents all danger of entanglement with the animal's foot. At the same time the form of the fixture is such that great freedom is allowed to the head. Because of the short chain this tie is much cheaper than the ordinary patterns.

The stall fixture is made from a tough quality of steel and is very strong. Also, owing to its circular cross-section, it is exceedingly rigid. Its simplicity, convenience, cheapness, and ease of attaching make it very popular with cow tie users.

This form of tie and stall fixture are sometimes called Niagara pattern.

American or Flat Link Chain,

for years the standard cow tie chain in "the States," is now rapidly coming in favor in Canada. Its short link, handsome appearance and smooth surface—which cannot injure the animal's neck—make it superior to all styles of chain for cow ties.

For sale by all Jobbers; manufactured by

ONEIDA COMMUNITY, Limited. NIAGARA FALLS, ONT.

Est. 1863 — Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

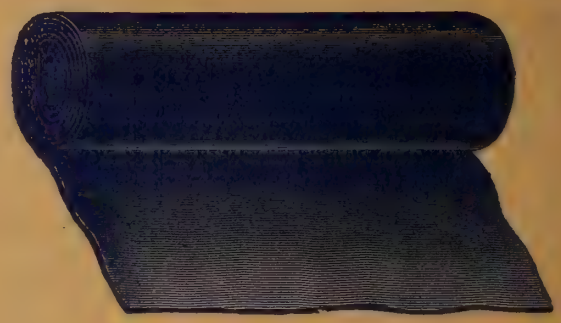
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FOR STEAM
HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

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CANADIAN
HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XI. MONTREAL AND TORONTO, JULY 15, 1899. NO. 28

Magnolia Metal



Best Anti-Friction Metal for all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up in bars, of which this is a

FAC-SIMILE.

The name and trade mark appear on each box and bar, and besides this, the words "Manufactured in United States" and "Patented June 3, 1890" are stamped on the under side of each bar.



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CANADIAN OFFICE—524 Board of Trade Building, Montreal.

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"QUEEN'S HEAD" PAYS.



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Pays the consumer, because it always does his work and is as uniform as Iron can be.

Pays the dealer, because there is always a market for it, at a fair price.

Pays the maker, because he does an enormous trade and has no claims for defective Iron.

JOHN LYSAGHT, Limited
BRISTOL, ENG. MONTREAL.

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It pays to figure ***close*** for your customer, provided it is the Safford Patent Radiator that you are going to install for him. Figure close—don't be afraid of the profits. The Safford pays a good profit, and, better yet, ***it absolutely cannot leak.*** No bolts, no packing, ***screw threaded nipple connections at every point.***

The Safford stands a pressure of 140 pounds to the square inch, yet it is light, durable, handsome, and fits curves, circles, angles. You can "figure close" on the Safford because you can be absolutely sure that it will give ***perfect satisfaction.*** It will advertise your business and your reputation too.

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.303 CAL.



Hammerless
Smokeless
Six-Shooter

New 1899 Model

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LATEST and FINEST Rifle manufactured.

Write for complete Catalogue W.

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Established 1825 Important Decision relating to the Established 1825

HEINISCH



TRADE-NAME ON SHEARS, TRIMMERS, Etc.

The U.S. Circuit Court, Southern District of New York, Judge Townsend, has rendered a decision in the suit of "R. Heinisch's Sons Co. vs. Hermann Boker & Co."

"The Complainant is entitled to an accounting, and to an injunction restraining them from using the names 'Heinisch' or 'H. C. Heinisch' on its Shears, Labels, etc., and otherwise, in any way which will interfere with Complainant's enjoyment of the benefits of its Trade-name."

Referring to the above decision, we would respectfully state our determination to protect our rights in the premises and warn all persons against any imitation of our Trade-name.

R. HEINISCH'S SONS CO.,

N.Y. OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

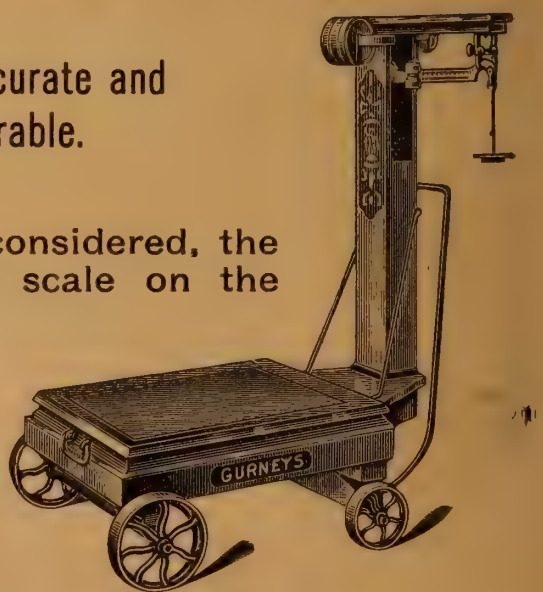
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Accurate and Durable.

Quality considered, the cheapest scale on the market.



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Hamilton, Ontario, Canada.

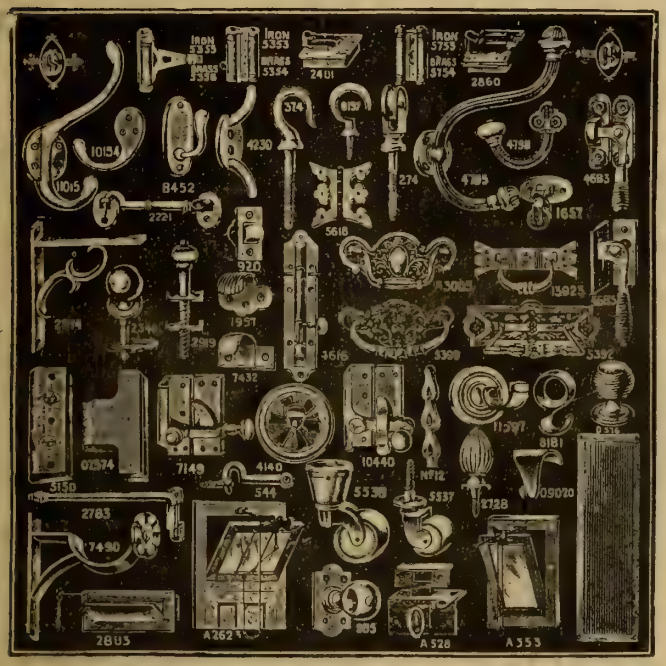
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CABINET, BUILDERS', FURNISHING AND NAVAL BRASSFOUNDRY

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London Showrooms: 57 Holborn Viaduct, E.C.

Thresher Belts



with these brands are a guarantee in themselves of excellence . . .

Manufactured by

The Canadian Rubber Co.

Of Montreal

Factories and Head Office,

Capital, $1,500,000.00 **MONTREAL**



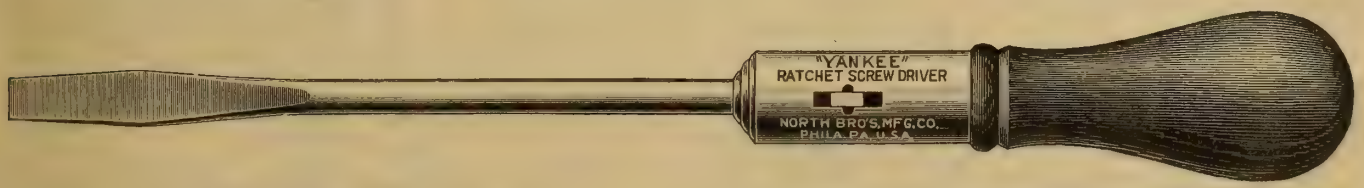
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Samples, Lists, and Discounts.

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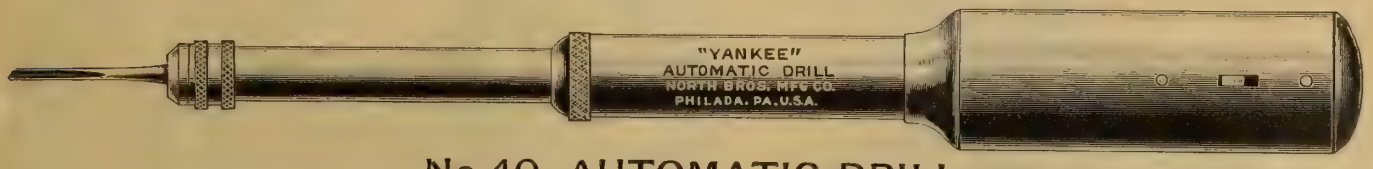
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No. 10 RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.



No. 30 SPIRAL-RATCHET SCREW DRIVER.



No.40 AUTOMATIC DRILL.

FREE A handsome lithographed and embossed Sign in colors, on tin, to dealers handling these tools. Separate sign for each tool. Write at once which sign is wanted and it will be mailed post paid.

SEND FOR "YANKEE" TOOL BOOK.

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BRASS GOODS—Gunn Castor Co., Limited, Birmingham, Eng.

Hardwood CHARCOAL in Bulk or Sacks.

WOOD ALCOHOL equalling Methylated Spirits as a solvent.

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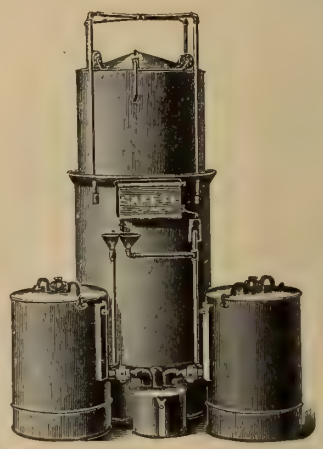
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Charcoal Pig Iron

BRAND "DESERONTO."

Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.



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ACETYLENE GAS MACHINE

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The Safety Light & Heat Co.

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Gentlemen,—Referring to your inquiry, we have pleasure in saying that your Acetylene Gas Machine, after the season's run has given us entire satisfaction. We prefer the light to either gas or electric light, and we are now satisfied that it is cheaper than either, while, with ordinary care, we consider it quite as safe as either.

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Dear Sirs,—The 15-light machine put in by you in my premises is perfectly satisfactory. I also find in lighting my store it is cheaper than coal oil. I would not have it taken out and do without it for twice what it cost.

Yours respectfully, GEO. R. HAWKINS, Seeley's Bay, Ont.

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ST. MARYS, ONT., CANADA



Steel Frame.

"MAXWELL FAVORITE CHURN"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive.

LAWN MOWERS.

High and Low Wheels, from 12-in to 20-in. widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate.

WHEELBARROWS.

In Four different sizes.

If your Wholesale House does not offer you these articles

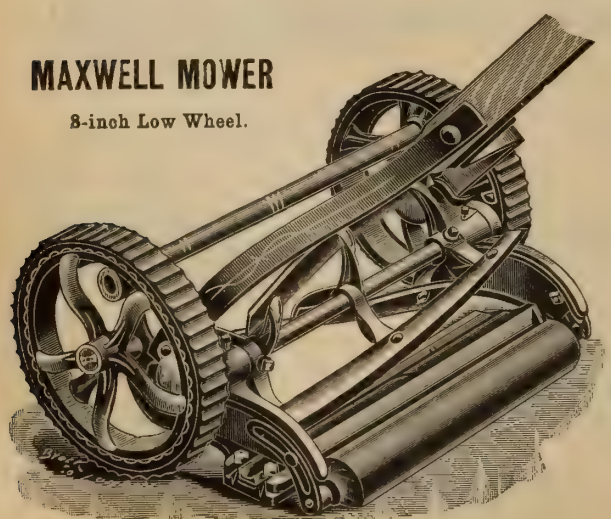
SEND DIRECT TO US.



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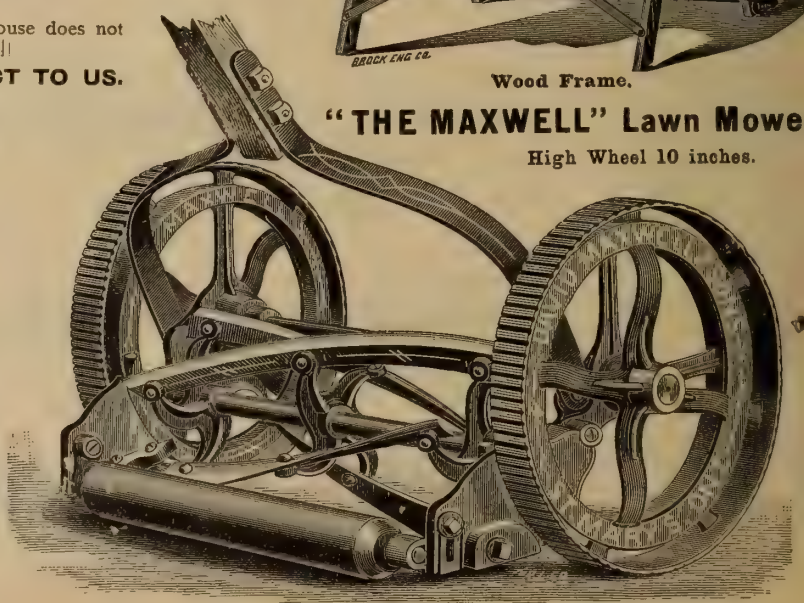
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8-inch Low Wheel.



"THE MAXWELL" Lawn Mower

High Wheel 10 inches.



IT PAYS TO BUY THE BEST.



This Trade Mark is on every Tag.

Prudent dealers will not be persuaded into purchasing the unreliable Binder Twine which some manufacturers wish to sell for the sake of the additional profit derived therefrom.

Crudely made from low-grade fibres—such twine contains but a fraction of the length, quality, strength and uniform evenness of the carefully constructed Plymouth Brands.

PRUDENT PEOPLE PREFER "PLYMOUTH."

DISTRIBUTERS, PLYMOUTH BINDER TWINE AGENCY, 54 Bay Street, TORONTO.



ELEGANT SEAMLESS STOVEBOARDS

"Elegant" in name.
"Elegant" in design.
"Elegant" in finish.

Our design for Stoveboards for 1899 is just out, and is without doubt the highest class of work we have ever turned out. In view of our past work in this line, this is saying a good deal.

Following the latest "fad" the design is a unique imitation of tile work; while the blending of the colors are so pleasing that these boards will sell at sight.

Retaining their favorite features, seamless and no corner clips, they will be made lithographed and crystallized. Quality highest, price low as the lowest. See samples before placing orders.

Absolutely Seamless **No Corner Clips**

The Thos. Davidson Mfg. Co., Limited, Montreal

BINDER TWINE.

There is none "just as good."

Pure Manila 650-ft. to the lb.

Blue Ribbon

Special Manila

Tiger

Standard

These Twines will not bunch at the knotter, and a Binder will run all day with them without stoppage, thus saving time, annoyance and an endless lot of trouble.

We pack our twine in bags of the size of ordinary grain bags and are not ashamed to put our name upon them. Don't take any other.

Consumers Cordage Company, LIMITED, Montreal.

The Demand for our New Range

THE . . . .

IMPERIAL OXFORD

Increases daily. Every one sold causes other sales, so enthusiastic are householders over its improved features.

ITS EASE OF REGULATION
ECONOMY IN USING FUEL
DIFFUSIVE FLUE CONSTRUCTION
FRONT DRAW-OUT GRATE
OVEN THERMOMETER
DRAW-OUT OVEN RACK

and other conveniences, give it a superiority quickly appreciated.

You're sure of speedy sales when handling the Imperial Oxford.

Better write us for full information and price list.



The Gurney Foundry Co., Limited, Toronto

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Winnipeg Agents: 155 and 157 Lombard St. Vancouver Agent: C. A. Godson, 151 Hastings St.

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Manufacturers of all grades of WALL PAPERS

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Largest Collection of Samples for Season 1899-1900 ever issued—136 Combinations, from the cheapest Blanks to the most fancy Gilt Papers, including Heavy Embossed Gilts on 24-oz. stock, 21 in. wide. EMBOSSED PULP EFFECTS—the newest specialty out.

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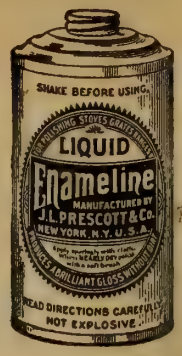
TO DEALERS who bought too hastily in previous seasons we wish to tender a timely word of advice—WAIT till our representative calls on you in a few days with our interesting range of samples, or if YOU CANNOT WAIT write or wire us, and we will arrange to give you an early opportunity to inspect our offering.

Enameline

The Modern STOVE POLISH



PASTE.



LIQUID.



CAKE.

We present herewith cuts showing the three different forms of package in which Enameline is put on the market. The enormous amount of advertising being done to familiarize housekeepers with the name enables merchants to make quick sales. Don't load up with unknown brands—that's dead stock.

J. L. PRESCOTT & CO., New York.

Standard Steel Toe Calks

Sizes of Blunt:





WRITE FOR DISCOUNTS.





Sizes of Sharp Calks below for Fall of 1899:

No.	Length.	Size.
0	1½ inch	3/8 x 5/16
1	1½ "	1/2 x 5/16
2	1¾ "	9/16 x 3/8
3	2 "	5/8 x 3/8
4	2¼ inch	3/4 x 3/8
5	2½ "	3/4 x 3/8
6	2¾ "	7/8 x 7/16
7	3 "	7/8 x 7/16

Price, $1.25 per box of 25 lbs. in bulk.
Or 24 lbs. in 4-lb. packages.

No.	Length.	Size.
0	1½ inch	9/16 x 3/8
1	1¾ "	9/16 x 3/8
2	2 "	11/16 x 7/16
3	2¼ "	3/4 x 1/2
4	2½ inch	3/4 x 1/2
5	2¾ "	15/16 x 9/16
6	3 "	15/16 x 9/16

Price, $1 50 per box of 25 lbs. in bulk.
Or 24 lbs. in 4-lb packages.

JAMES PENDER & CO., Limited, Sole Mfrs. **Saint John, N. B., Canada.**

Kemp's New Patent Steam Cereal Cooker.

A simple, inexpensive kitchen convenience.

Useful in one hundred ways. . . . . .



In cereals cooked by this method the kernels are expanded by the steam circulating over them, making them tender, delicate, delicious, and readily digestible.

Made in Diamond and Granite Enameled Steel Ware and Retinned Ware.

Kemp Manufacturing Co., ...Toronto, Canada.

HARDWARE AND METAL

Vol. XI. MONTREAL AND TORONTO, JULY 14, 1899. No. 28

President, JOHN BAYNE MacLEAN, Montreal.
Treasurer, HUGH C. MacLEAN, Toronto.

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Limited.

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

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TINPLATE TROUBLES.

IT is an interesting fact in connection with the tinplate industry that in both Great Britain and the United States the labor question has been occupying a great deal of the attention of the masters of late.

The conditions are not, however, at the same stage in both countries.

In Great Britain the difficulty has reached the settlement stage, the workmen having agreed to accept a reduction of 10 per cent. in wages. In the United States the conditions are at a most acute and unsatisfactory stage, the men having demanded an advance of 20 per cent. in wages, which The American Tinplate Co. has, so far, emphatically refused to concede, although it has expressed its willingness to give an increase of 11 per cent., the same as was accorded the men in the merchant sheet mills. Then, it was only three months ago that the company voluntarily advanced wages 8 per cent. But the men are persistent, and a protracted struggle is probable.

The men have some reason for their persistency, notwithstanding what their employers have already done for them in the way of higher wages and what more they are willing to do.

Since the formation of the syndicate which now controls the tinplate mills of the United States prices have appreciated $1.20 per box, or about 42 per cent, while the company is said to be getting $9,600,000 a year more for its output than the makers obtained in their preconsolidation days.

Naturally, the men feel that they are entitled to a larger share of the profits than the masters are willing to concede. How far the men are justified in their demands it is difficult to say, for it must be remembered that, while the mills are getting a great deal more for their plates than they did a year ago, they are also paying a great deal more for their raw material than they were then. Most people, however, will probably not hesitate to say that the workmen have the better side of the argument.

In the meantime, the British tinplate manufacturers stand to profit by the troubles of their American confreres. As it is, the tinplate trade in England is healthier than it has been for years.

A FARSEEING BUYER.

THERE was one farseeing firm in Montreal who anticipated the current advance in general iron values a long way ahead.

Early this spring, just when values gave their first symptoms of an upward tendency, this concern placed liberal orders for all kinds of staple iron material. They are reaping the harvest now, for contracts that they placed just as the advance was originating are not completed yet.

As there have been several advances since May 1, they have some relatively cheap merchandise with which to compete for trade and yet make handsome profits.

BANK CLEARINGS FOR SIX MONTHS.

The following table, giving the bank clearings in the eight principal cities of the Dominion during the first six months of the present year, as compared with last year, is a most satisfactory showing.

	1898.	1899.
Montreal	$357,194,318	$393,676,407
Toronto	216,461,697	248,574,641
Winnipeg	40,233,020	43,249,620
Halifax	29,798,989	31,608,539
Hamilton	17,505,530	19,245,675
St. John, N.B.	13,949,241	15,085,714
Victoria		15,700,583
Vancouver		17,136,571
Totals	$675,142,795	$751,440,605

As the returns from Vancouver and Victoria for last year were incomplete, they are not included in the total for this year. During the month of June the total for the other six cities was $124,449,837, as compared with $115,062,608 in June last year. The clearings during June this year were $3,768,864 in Vancouver, and $2,509,456 in Victoria.

MANY CHANGES IN PRICES.

NEW LIST ON HORSESHOES.

PERHAPS the most radical change among the numerous advances that have been made lately was in horseshoes. Iron shoes have been marked up 10c. and steel 25c. per keg. The new and old lists compared in detail are as follows:

Iron Horseshoes	New List.	Old List.
Light and medium pattern, No. 2 and up	$3 50	$3 40
Light and medium pattern, No. 1 and down	3 75	3 65
Snowshoes	3 75	3 65
" No. 1 and down	4 00	3 90
XL Steel Shoes, new light pat'n		
All sizes, 1 to 5, No 2 and up	3 90	3 65
" " No. 1 and down	4 15	3 90
Featherweight		
All sizes. No. 0 to 4	5 15	4 90
Toe weight steel shoes		
All forward	6 25	6 00

These prices are f.o.b. Montreal, f.o.b. add 10c. for Toronto, Hamilton, London and Guelph. Shoes assorted, more than one size in a keg, are 10c. per keg extra.

WIRE AND CUT NAILS ADVANCED.

Buyers who contracted ahead for liberal supplies of cut nails have, as events this week proved, caught the market right, as the base price on this staple line was advanced on Tuesday 10c. per keg to $2.25 f.o.b. Montreal, Toronto, Hamilton, London and St. John, N.B. Best flour barrel nails are 5 per cent. higher, discounts being 30 instead of 35 per cent., and a similar advance has been made in copper nails, which are now sold 35 per cent. off list, instead of 40 as heretofore.

Wire nails are in line with the rest, the base being 10c. per keg higher, at $2.75 to $2.80 in Montreal, and $2.75 in Toronto.

HARDWARE AND METAL only last week predicted that wire nails would shortly advance.

In view of the high prices ruling in the United States, Canadian makers could well afford to further advance their figures on both cut and wire nails.

THE NEW TACK DISCOUNTS.

A radical readjustment of the scale of dscounts on tacks went into effect on Friday, July 7, calling for an advance of all the way from 5 to over 25 per cent. in values.

The lines on which discounts were reduced were: Cheese-box tacks, blued; trunk tacks, black and tinned; carpet tacks, black and tinned; carpet tacks, in kegs; cut tacks, blued, in dozens; swedes cut tocks, blued and tinned, in bulk; upholsterers' tacks, in bulk; trunk nails, black and tinned; clout nails, blued and tinned; picture frame points, and lining tacks, solid heads, in bulk.

The discount applies to the price list of February 10, 1899, and a comparison of the two scales gives the changes in detail, as follows:

	New Scale.	Old Scale.
Strawberry box tacks	75 and 10	75 and 10
Cheese box tacks, blued	85	85 and 10
Trunk tacks, black and tinned	85	85 and 10
Carpet tacks, blued and tinned	80	80 and 10
Carpet tacks, in kegs	40	45
Cut tacks, blued, in dozens only	75 and 5	75 and 12½
Cut tacks, ¼ weights	60	60
Swedes cut tacks, blued and tinned—		
" " in bulk	80 and 12½	80 and 20
" " in doz's	75	75
" upholsterers', bulk	85	85 and 10
" brush, blued and tinned, bulk	50	50
" gimp, blued, tinned and japanned	75	75
Zinc tacks	30	30
Leather carpet tacks	60	60
Copper tacks	50	50
Nails—		
Copper nails	52½	52½
Trunk nails, black	70	70 and 12½
" " tinned	70 and 5	70 and 12½
Clout " blued	70	70 and 10
" " tinned	70 and 5	70 and 10
Chair "	40	40
Cigar box nails	40	40
Patent brads	45	45
Fine finishing	45	45
Picture frame points	20	25
Lining tacks, solid heads, in bulk	75 and 12½	80
Capped Goods on list of December 23, 1898—		
Lining tacks in papers	10	10
" " bulk	15	15
Saddle nails in papers	10	10
" " bulk	15	15
Tufting buttons, 22 lines, in dozens only	60	60
Tin capped trunk nails	15	15
Zinc glaziers' points	5	5

Prices are subject to change without notice, and the terms are the usual four months' approved credit or 3 per cent. discount for cash in 30 days from date of shipment.

WINDOW GLASS DEARER IN MONTREAL.

The spot price of window glass in Montreal, on which jobbers have been predicting an advance for weeks past, has at last responded to the strength in the primary market by an advance of 10 to 25c.

Importers assert that makers in Belgium, in many cases, are not filling their export orders, placed weeks ago, being unable to do so owing to the strike.

With stocks scarce in Montreal, therefore, and supplies not coming forward, it is considered natural that values should stiffen, and the prediction is made that they will continue to do so unless the conditions alter.

The new and old scales compare as follows:

	New List.	Old List.
First break per 50 feet	$1.90	$1.80
Second " "	2.00	1.90
First " 100 feet	3.60	3.50
Second " "	3.80	3.75
Third " "	4.25	4.00
Fourth " "	4.50	4.25
Fifth " "	5.00	4.75
Sixth " "	5.50	5.25
Seventh " "	6.00	5.75

TWO DOLLAR BAR IRON.

About a month ago HARDWARE AND METAL predicted that $2.00 bar iron was close at hand.

This was verified on Tuesday, July 11, when the trade were notified by the makers that the base price on bar iron was $2.00 factory from that date.

This is an advance of 10c. on the previous basis.

Horseshoe iron has also been marked up 10c. from $2.15 to $2.25 base, and both lines are firm at the rise.

LIQUID PAINTS DEARER.

The Canada Paint Co., Limited, Montreal, Toronto and Victoria, have issued a circular announcing an advance of 10c. per gallon in the price of their mixed paints.

The reason given for the advance is the rise in the price of all materials. As compared with 1898, zinc has advanced 50 per cent.; lead, 15 per cent.; linseed oil, 20 per cent.; turpentine, 22½ per cent.

Based on these prices a further advance would be necessary, had not many materials been contracted for before the advances. The trade is advised to carry ample stocks for the fall trade.

This advance applies to all liquid paints, except floor and barn paints. The latter is 5c. per gallon dearer.

CHANGES IN WIRE AND STAPLES.

In line with other material, and as a result of the further increase in the cost of raw material, all kinds of plain wire have been advanced this week by makers. The base price on smooth steel wire, bright, annealed, coppered and tinned, has been advanced 10c. per 100 lb. to $2.70 for Nos. 6 to 9, the base.

Discount off the list price on fine steel wire has also been reduced 5 per cent. to

20 off. This applies to bottling, mattress, broom and bell hanging wire, etc.

There was no change in fence staples, but fine staples, coopers' staples, are 5 per cent. higher, the discount off the list being 50 instead of 55 per cent.

NEW DISCOUNTS ON SHOE TACKS.

A new scale of discounts on shoe finders' tacks, nails, etc., went into effect on July 7, the advance averaging 5 per cent. in prices.

The discounts are on the price list issued April 5 last, which was published in HARDWARE AND METAL shortly after its issue. The new discounts compared with the old are as follows :

Shoe Tacks—	New Scale.	Old Scale.
In Ms	50	52½
In pound papers		
Machine lasting tacks	55	62½
Ordinary tacks	57½	66½
Shoe Nails—		
15 gauge and heavier. Swedes shoe nails.	57½	62½
15 gauge and heavier. Soft steel	62½	62½
15 gauge and heavier. Iron	62½	62½
15 gauge and heavier. Zinc	35	35
Hard steel	35	35
Channel nails	50	50
Hungarian nails	40	45
Miners' tacks	30	35
Hob nails	30	35
Zinc shanknails	35	35
Steel wire shoe rivets	10	15
Brass " " "	20	20
Clinch point duck bill	15	20

Shoe nails, 100 lb. bulk, of one size, not in 1-lb. papers, 25c. per 100 lb. off face of invoice after deduction of discount. Prices are subject to change without notice, and the terms are the usual four months or 3 per cent. 30 days from shipment.

CHANGE IN RAT AND MOUSE TRAPS

The manufacturers of "Out of Sight" rat and mouse traps now have a factory in Canada, and have fixed the jobbers' selling price at the same figure as in the United States. They are enabled to do this on account of having no duty to pay.

The price to the retail trade is 60c. per dozen for mouse traps, and $1.25 for rat traps.

NEW ENAMELED WARE LIST.

A new and a uniform list of prices has been issued this week by the Canadian manufacturers. Heretofore, every manufacturer has had a separate list.

No change has been made in the discounts beyond the fact that all special discounts have been withdrawn.

There is, however, a decided firmness in enameled ware, and an advance of 10 per cent. in the near future is quite possible.

STOVES AGAIN ADVANCE.

The continued appreciation in the cost of raw material has necessitated still another advance in the price of stoves. The advance is 5 per cent.

Hollow ware has been put up in price by the same amount.

A great many orders are being placed for stoves. HARDWARE AND METAL saw one batch of orders which aggregated 15 carloads.

A good percentage of orders had been placed before the recent advance, and a great many even before any of the advances had taken place.

Retailers should not, however, in making up their cost, forget to base it on the prices ruling to-day, and not on those which obtained when they bought, six months or more ago.

HARVEST TOOLS HIGHER.

Canadian manufacturers of harvest tools and other lines announce an advance in prices.

Forks, hoes and rakes are from 15 to 20 per cent. higher. In hay knives, brush hooks, hunters' axes, boys' axes and vegetable scoops there is an appreciation of 25 per cent. Shingle and lath hatchets have also been advanced in price.

It is to be hoped retailers will take advantage of the advances in these lines and base their selling price, not on what their stocks cost them, but what it would cost to replace them at to-day's figures.

The discount on harvest tools is 60 and 5 to 60 and 10 per cent.

PIG TIN MUCH DEARER.

Pig tin has been advancing by leaps and bounds during the past week. On Tuesday there was a reaction, but on Wednesday the market again resumed its upward tendency.

Jobbers in Toronto are quoting 2c. per lb. higher, Lamb and Flag is now held at 33 to 34c., and Straits at 32 to 33c. per lb.

TINPLATES DEARER AND SCARCE.

English cables note a continued advance in the price of tinplates, and, as a result, jobbers' figures on this market are up 25c. per box on charcoal plates, and 25c. to $1 on coke plates.

It is anticipated that the high prices will retard consumption for a while, but, in view of the present condition of the primary market, a high range of values is expected to rule for some time.

Importers are experiencing a great deal of difficulty in getting delivery, and orders placed seven months ago, even for prompt shipment, have not yet been received, nor is there any evidence forthcoming as to when they will.

With regard to Canada plates no complaints are heard, import orders for them coming forward fairly prompt.

LOCKS, DOOR SETS, ETC., HIGHER.

The Gurney - Tilden Lock Co., of Hamilton, and The Peterboro' Lock Co., of Peterboro', have advanced their prices on locks, knobs, escutcheons, door sets and builders' hardware about 10 per cent.

The discount to the retail trade on locks, escutcheon pins and door sets is now 45 per cent., and on builders' hardware 45 and 5 per cent.

LOWER DISCOUNT ON SOIL PIPE.

Standard, medium and extra heavy soil pipe and fittings are dearer, the discount having been reduced to 50 and 10 per cent., Toronto. The former discount was 60 per cent.

SOLDER IS DEARER.

Solder is up from 1½ to 2c. per lb., and half and half is now quoted at 19 to 20c., and refined at 18 to 19c. per lb.

The advances are in sympathy with the appreciation in pig tin.

REAPING HOOKS ADVANCE.

An advance of about 30 per cent. is this week announced in reaping hooks, and the following prices to the retail trade are now quoted : No. 2, $2 ; No. 3, $2.05 ; No. 4, $2.15 ; No. 5, $2.20.

RISE IN MARLIN RIFLES.

Jobbers in Toronto have been advised of an advance of 75c. to $1.50 each in the price of Marlin rifles.

The manufacturers state they have been compelled to put up their prices on account of the cost of steel.

PRICES ON ICE CREAM FREEZERS.

Ice cream freezer manufacturers have notified jobbers in Canada of the withdrawal of quotations. While no new prices have yet been issued, when they do come they will undoubtedly show an appreciation in values.

CARD-WRITING AND WINDOW DECORATION.

WINDOW card-writers and window-designers ought to give more attention to the study of Nature in her more decorative aspects—that is, of flowers, fruits, birds, and all such simple forms of natural things as those which the mind of man instinctively turns to in order to get his ideas of what is decorative and festal. The practical trimmer must study Nature early and assiduously in her decorative aspects, especially on the side of color. With this study of Nature in her decorative aspect must be associated that conscious and deliberate adaptation of her forms to the purposes of practical design, which is a fundamental in all practical work. This, again, is one of the things which the ordinary art student learns to despise in just about the same degree as his powers as a technician become developed, and is, therefore, something which must not be left until his training is very far advanced, but must be taken hold of as one of the fundamentals of his course.

Secondly: The practical window design or card effect means an intelligent grasp of the limitations imposed.

Every trimmer or card-writer cannot hope to always have an abundance of material with which to work. Hence the need of skillful use of what is at hand. Color furnishes the very first element of interest in window decoration, and is the most elementary thing with which the decorator deals, so that its use should be one of the first things with which a window designer becomes familiar. The first work with color may be in such schemes as are represented by stripes and plaids. Study the fundamentals of color theory and the laws of harmony with reference to such elementary uses of color as the forms of ornament represent.

LABEL DESIGNS.

Card-writers are frequently called upon to prepare fancy tickets or labels for shelf and counter goods. Take the matter of color in this connection. The labels may made so as to sell or prevent the sale of the goods. In the colors of labels, plain white, plain buff, and the combination of blue and white are useful. The favorite colors are red and yellow. The writer commends the following colors: (1) Light blue or lilac ground, with flowers in black; (2) crimson ground with flowers of five colors, these for children's clothing; (3) light blue ground with white flowers, for curtains and bed-coverlets.

LANDSCAPE SCENES.

Many of the mistakes made in coloring landscape window illustrations arise from a lack of a proper perception of the conditions under which color is seen, or of the influences colors have upon each other when combined or juxtapered. The colors of a landscape scene in a window will vary according to the light by which it is illuminated. A green tree will appear dull and grey in a low light, in the bright mid-day sun it will appear yellow, in the last rays of sunset it will assume a purple hue. This has bearing on the coloring of window settings as there is a direct connection, as light and shade in any color combination exercise an influence upon the whole effect and upon the individual colors of which it is composed as well.

The quality of one color in the window will vary according to the colors with which it is combined. Make a display with black and blue, black and red, or black and orange, and the quality of the black will be different in each one, although the same material is used in each case. This is simply due to the influence of the color upon the black. The same remark applies to the influence of one color upon another. Not merely does the presence of the different colors influence each other, but their relative quantity and the amount of light and shade, or black and white, also. There are numerous ways of studying and comparing their effects. One of the simplest is to take strips of colored paper or cloth of varying widths and lay them side by side upon white, black or neutral grounds, and compare the effects. When the effects have been noted with the colored strips laid close together, move them slightly apart so that they are separated by a narrow strip of white or black; then move them a little further apart, and careful observation will show that there is a distinct influence upon both colors and ground. If very strong contrasting colors—such as blue and orange, or red and green, are used, the effect is all the more marked. It is best to study color effects in a steady, subdued light, so that the quality of the color can be best observed.

Another simple method of studying color is to sit in a room where there is a stained glass window and note the effect of the light as it passes through the different colored glasses upon a carpet or other object. Whenever the light passing through red glass falls upon a red object, or any color partaking of red, the color is enhanced, whilst other colors will be subdued.

ART AS APPLIED TO TICKET-MARKING.

There are four classifications of ancient types used in modern ticket-writing. First, is the Greek form.

GREEK ART.

Here, delicacy and refinement of treatment, careful study of proportion of figures and letters, and infinite care produce an exquisite art, that is, to-day, a model of all that is best in ticket architecture and decoration.

ROMAN ART.

In the Roman class we have scrolls, and cover them lavishly with acanthus leaves. Indeed, scrolls heavily laden with acanthus leaves surrounding a rosette, have become a sign of recognition in window tickets of this order. This heavy ornamentation soon gets monotonous. Their only originality is manifested in their development of the forms borrowed from others.

SARACENIC ART.

This is not often used by ticket-writers, because the ingenuity of the artist is taxed to create a style that depends entirely upon geometric form and on color for its effect. The result is a theme interlacing with gorgeous colors. Gold is used profusely and the decorations are worked much in relief with stucco effects.

GOTHIC ART.

The last is the Gothic, which is practically a religious style, having grown out of the Christian Byzantine. The arch known in history as the Gothic arch, is a strong characteristic, although other forms are common. The trefoil and quartrefoil are also typical forms. Its exquisite window tracery, built on geometric forms, is a strong mark for recognition.

A PALPABLE MISTAKE.

In our last issue a very serious mistake was made in the advertisement of The Canada Paint Company, and we hasten to correct it. In the second clause of the advertisement it was made to read "the spring trade became active from the 1st of February, and, though the increase of business was 'not' marked, etc.," instead of "increase of business was 'most' marked." This mistake alters the whole sense of the advertisement and has the tendency to deprive the company of the well merited congratulations on the increase of their business which they should otherwise have received.

WIRE NAILS
TACKS
WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

THE ART OF COLLECTING AND DISTRIBUTING NEWS.

BEFORE the art of printing was invented, the ink-horn and quill pen were the only means of preserving and handing down to posterity records of the times. All books and statements were copied by professional clerks, and a few sentences an hour was considered good progress. With these drawbacks, education was materially handicapped, and we even hear of kings and queens who could not write their own names. Books were expensive—ruinously so, and only the great and rich could afford them. Even one volume was a treasure, and though sometimes the owner could not read, he was happy in possession.

But with the art of printing came, also, a freer distribution of knowledge. With the advance of time and continuous improvement in the art, books became more widely circulated. To be able to read and write was no longer a profession. Improvement after improvement was introduced. News spread much more quickly, and, as decade after decade rolled on, new thoughts and ideas replaced the old ones. The difference of a few centuries is astounding. Caxton, in his wildest enthusiasm, never dreamed of a newspaper. When Victoria came to the throne, the steam engine was unknown. Yet, we have the railway, the steamer, the telegraph, and telephone, and these are quite commonplace. Our daily paper tells us what happens in England, in China, in India, in the uttermost parts of the earth, the very day it happened. What more can the mind of man conceive? Truly, the printer's art has reached perfection! He has all these means at his disposal, and he uses them. From a lack of news, a man is overwhelmed—buried—with so much, he cannot possibly read it all.

How, then, is this mass of news collected and distributed? How does a man receive every item of news bearing on his business? There are 1,200 papers published in Canada—he cannot read all these. Yet, he must know the news. Men in every business used to have this problem to solve. They cannot subscribe to every paper—it would cost a fortune—and, even if they did, the task of reading them and finding what they wanted would prove too great. How, then, can a man receive all the news relating to his particular business without reading all the papers? How can a contractor, broker, banker or wholesaler receive daily every item of news in the Canadian press relating to his own particular business without reading all the Canadian papers—without wading through thousands of pages and tens of thousands of columns of printed matter?

SUPERIORITY

is the product of many elements, each one a little better than it is found anywhere else. A careful selection of raw material, close chemical analysis, the most accurate of formulae, specially designed grinders and mixers, expert workmanship, vigilant superintendence, strict honesty, an experience of over 30 years, and a hundred other elements all combine to give

THE SHERWIN-WILLIAMS PAINT (Prepared)

superiority over all other paints.

Everything we do in paint making has an individual superiority. We strive to do it better than anyone else does. Every detail receives our constant attention, and we are not satisfied until it has reached the highest point of development.

Our methods of pushing the sale of S. W. P. bear the same stamp of superiority as the paint itself, and we want superior men to act as our agents in the towns that are still open.

THE SHERWIN-WILLIAMS CO.

PAINT AND VARNISH MAKERS.

Canadian Division:
21 St. Antoine St.,
Montreal.

CLEVELAND.
CHICAGO.
NEW YORK.
MONTREAL.
BOSTON.
TORONTO.

Here is the solution. He subscribes to The Canadian Press Clipping Bureau, Montreal.

His reading is all done for him. He tells what particular class of news he wants, what he must receive, what it is necessary for him to have, reports from all over the conntry on the condition of crops, of cattle, of mines, or of anything his business is interested in. Every paper in Canada is searched. Dailies, weeklies, every publication, and the items clipped, mounted and set before him daily. He escapes the herculanean task of doing this for himself at a paltry cost. It is not his business to read papers, but it is the business of The Press Clipping Bureau. They do absolutely nothing else. Skilled sharp-eyed readers systematically search the columns of the press and clip the items he wants; they rarely miss one, so great is their experience.

Brokers receive every notice of the sale of bonds, debentures and money transactions; the chief of police everything relating to crimes and criminals, descriptions of bank-robbers, murderers and thieves; contractors, all advertisements of tenders for the erection of buildings, bridges, etc.; the politician every scrap of political news, and material for speeches; the alderman, complete reports of city council meetings in any other or every city in the country; the author, notices of his books and material for new works; private parties, material for scrap books and personal notices. Even the undertaker receives all death notices. Anybody interested in anything for business or private use requires the services of this perfect system of the art of collecting and distributing news.

HIS CAPITAL WAS 40 CENTS.

As an instance of the rapid strides that can be made in this country by pushing young men who don't mind a little hard work the following is told: Mr. Colin McDougall, of Indian Head, arrived there at the age of 18 with the magnificent capital of 40c. For four years he worked as a firm laborer at an average salary of $12 per month. He then rented a half section of improved land at $300 per year with the privilege of purchasing at any time. After two years' work here he bought a half section of land for $4,000 and sold out about June for $7,300, and is now starting in again in the Yellow Grass district with a capital of $6,000 clear.—Free Press, Winnipeg.

FIVE HUNDRED PIGEONS WANTED.

L. S. & B. write: "A customer west wants 500 live pigeons, crated to ship by express. See if an inquiry through your paper would bring a reply."

[Can any of our readers furnish the desired information?—THE EDITOR.]

TRADE CHAT.

THE Bothwell, Ont., correspondent of The Chatham Banner, says: "Nearly all the merchants and professional men who were burned out in last Saturday's fire, are settled in other places, some permanently and others only temporarily. J. Robinson has moved into the eastern apartment of the Johnston block; D. Tait into David Marchbank's block; S. J. Thomas into Marcus, Catto & Co.'s old stand; D. G. Reid into the building recently occupied by Geo. L. Taylor, and Dr. R. Colthurst, V.S., temporarily into Geo. John's shop."

D. N. Traversy & Cie. have registered as tinsmiths in Quebec.

Edward Runions has started in business as tinsmith in Cardinal, Ont.

The Globe Rubber Co., manufacturers of rubber goods, Quebec, has opened a branch in Montreal.

The Chatham Banner states that merchants in that place report trade to be better than for many years.

The Gold Bullion Mining Co. of Ontario, Limited, has been incorporated with headquarters at Fort Erie, Ont.

The Great West Saddlery Co., Limited, with headquarters at Winnipeg, have been incorporated with $250,000 capital.

Application is to be made for the incorporation of The Quebec, Hamilton and Fort William Navigation Co. with headquarters at Hamilton.

A portion of the old Waterous works, Brantford, will be rented to Duncan Black who proposes to start a carriage and wagon making industry there.

The match factory of The E. B. Eddy Co., Limited, employing 120 hands, has shut down for one month. In previous years the factory closed in summer for two months.

The Toronto World states that a very valuable copper mine has been discovered within two miles of Parry Sound, Ont. Two companies have purchased all the claims in the vicinity.

The R. McDougall Co., Galt, Ont., will from now on make iron-working tools in addition to their present manufactures. The firm's shops have been enlarged, and the staff of employes will be largely increased.

The new steel screw passenger boat, the Majestic, built by The Polson Iron Works Co., Toronto, for The Richelieu River Navigation Co., was launched on Wednesday. It will run from Montreal to Lake Champlain.

The deal for the purchase of The Ontario Natural Gas & Oil Co., by The Standard Gas & Oil Co., which has been hanging fire for a year past, has been consummated and the money paid over. The stock of The Ontario has been purchased by The Standard and the sum paid was $600,000. There were 25 shares in the original company. This would make each share worth $24,000. Before the pipes were laid to the wells, shares were sold for $600.

T. W. Jutten, boat builder, Hamilton, has received an order from Montreal for eight gasoline launches, each to cost about $400. Mr. Jutten may increase his boat-building facilities, he having other orders in.

Reports from Parry Sound say that the copper ore in that district is much more valuable than previously reported. Ten weeks ago an American company bought a location, and since then they have quarried from the rock $300,000 worth of ore.

A despatch from Nova Scotia to The Montreal Herald states that The Montreal Rolling Mills will erect a second plant in the vicinity of The Dominion Steel Works at Sydney, Cape Breton, and that they will require at least 1,000 men to start with.

Mr. F. P. Buck, the president of the War Eagle Gold and Copper Mining Company, has given an order to the Jenckes Manufacturing Company, of Sherbrooke, Que., for the machinery required for the development of the property located in Greenwood Camp, B.C.

The James Cooper Mfg. Co., of Montreal, have concluded arrangements, through their Rossland, B.C., branch office, to install on the Sunset claim of the Montreal Boundary Creek Mining Co., in Deadwood Camp, a duplex high pressure Ingersoll-Sergeant 20 drill air compressor, a 300 horse-power battery of boilers, air drills, a complete pumping outfit and a hoisting plant to take care of sinking down to 1,000 feet.

The Canada Atlantic Railway Co., owing to its increasing traffic, will, this fall, commence the erection of large car shops, in addition to those already put up. The new shops will be located near the Rideau roundhouse, where the machine shops and repair works of the company are now situated.

The total fire loss in the United States and Canada for June, compiled by The New York Journal of Commerce, amounts to $6,714,850, against $9,091,900 for May, $9,206,900 for June last year, and $5,684,450 for June, 1897. The total for the first six months of this year is $65,699,750, against $58,237,100 last year and $57,940,450 two years ago.

PERSONAL MENTION.

Mr. J. G. Lewis, of Lewis Bros., who has been spending a well-deserved rest at Cacouna, has returned home much refreshed after his enjoyable trip.

Mr. Barker, representing Harrison Bros. & Howson, cutlery, Sheffield, Eng., was in Toronto last week. It is some years since Mr. Barker was in Canada, and he was much impressed with the progress it had made in the meantime.

AN EXHIBITION OF STOVES, ETC.

Manufacturers of stoves, furnaces, boilers, gas stoves, ranges, and of all sheet metal and sanitary supply products will be comprehensively represented at the National Export Exposition to be held in Philadelphia from September 14 to November 30.

Profitable Hardware

IVER JOHNSON

Firearms and Bicycles

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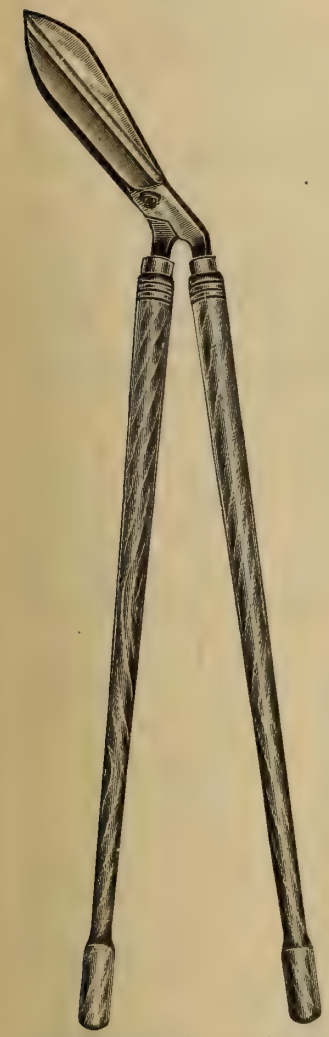
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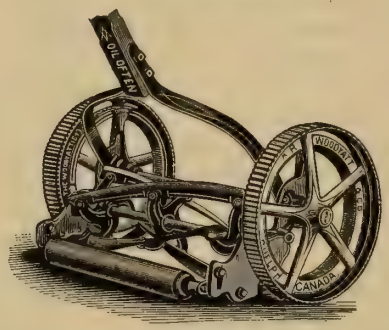
37-39 Front St. West, ...Toronto

Only Wholesale

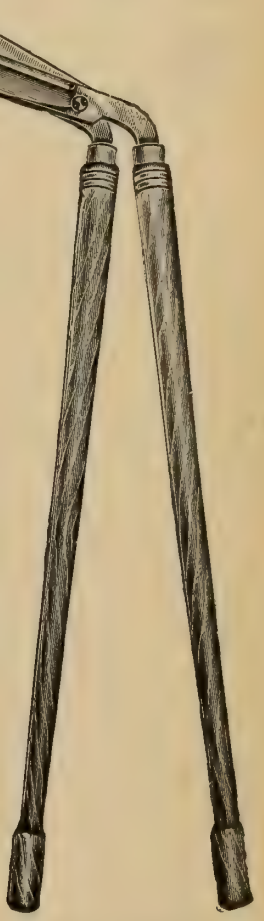


BORDER SHEARS

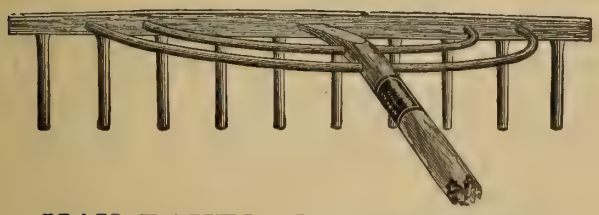
LAWN MOWERS



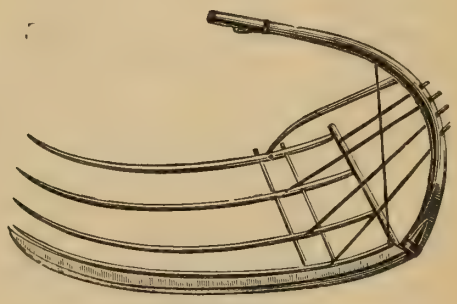
WOODYATT, HIGH WHEEL—sizes, 14, 16, 18 and 20-inch.



LAWN SHEARS

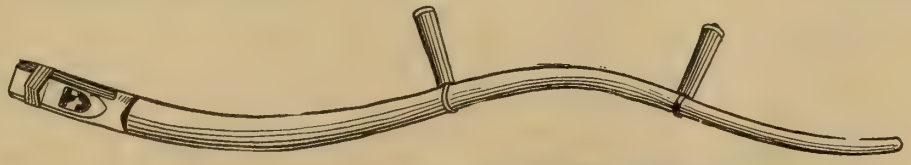


HAY RAKES—Straight and Bent



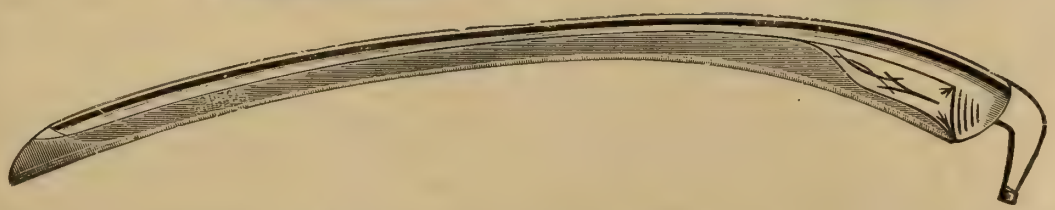
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SNATHS

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SCYTHES

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Only Wholesale. Graham Wire and Cut Nails are the Best. **We Ship Promptly.**

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

J. B. McNulty, general merchant, Ange Gardien, Que., has assigned to Lamarche & Benoit.

S. E. Kent, hardware dealer, Wingham, Ont., has assigned to James A. Cline.

Xavier Savard, general merchant, St. Felicien, Que., is seeking an extension.

H. L. Holstein, general merchant, Whitney, Ont., is offering 50c. on the dollar.

Joseph Binette, sash and door manufacturer, Montreal, has obtained an extension.

John A. Bishop, general merchant, Baldoon, Ont., has assigned to Peter Rutherford.

Joseph H. Dionne, general merchant, Garthby, Que., is offering 20c. cash on the dollar.

R. Johnston, harness dealer, Parry Sound, Ont., has assigned to John H. Knifton.

A statement of the affairs of T. G. Clute, general merchant, Stirling, Ont., is being prepared.

U. F. Drouin, wholesale and retail hardware dealer, Quebec, is offering 50c. on the dollar, cash.

A petition for order winding up The Eastern Townships Chrome Iron Mining and Milling Co., Limited, Montreal, has been granted.

PARTNERSHIPS FORMED AND DISSOLVED.

Vezina & Corbeil, contractors, Montreal, have dissolved.

Bowie & Jackson, contractors, Montreal, have dissolved.

Gougeon & Piquette, painters, Montreal, have dissolved.

Gardiner & Mulligan, hardware dealers, Millbrook, Ont., have dissolved, Wm. J. Gardiner continuing.

Carlton A. Berry and Frank B. Wilson have registered partnership under the style of Berry & Wilson, founders, Warden, Que.

Frederick Jackson and Harold Cheesman have registered partnership as contractors, under the style of Jackson & Cheesman, Montreal.

J. W. Gustafson and A. E. Blois have registered partnership as general merchants under the style of Gastafson & Blois, Kennetcook, N.S.

Copartnership has been registered by Charles R. McKean only as general merchant under the style of McKean & Co., Westville, N.S.

Z. Corbeil and F. X. Corbeil have registered partnership as sash and door manufacturers under the style of Z. Corbeil & Frere, Montreal.

Partnership has been registered, composed of Joseph Bowles Learmont, George Caverhill, Thomas H. Newman, and Mrs. Frank Caverhill, under the style of Caverhill, Learmont & Co., wholesale hardware dealers, Montreal.

SALES MADE AND PENDING.

The stock of Mrs. N. Fortin, general merchant, St. Michel (Bellechasse), Que., has been sold at 40c. on the dollar.

CHANGES.

G. W. Bradford, blacksmith, Saltford, Ont., has sold out to —. Goldthorpe.

J. D. Ramsay & Co., general merchants, Plumas, Man., have sold out to A. Chandler.

J. De Langle, general merchant, Whitewood, N.W.T., has sold out to J. A. Hawkes.

Ed. Guilbault, hardware dealer, St. Boniface, Man., has sold out to Romuald Guilbault and Jean B. Cote.

Harold Alexander has registered as proprietor of H. Alexander & Co., dealers in cutlery and siverware, Montreal.

Marie L. Gauthier, wife of Wilfrid Therrien, has registered as proprietress of W. Therien & Co., bicycle dealers, Montreal.

The Tingley & Stewart Mfg. Co. (A. D. Tingley, prop.), manufacturers of rubber and metal stamps, etc., Montreal, have sold out to B. Cairns, who continues under the same style.

FIRES.

Alex. McKay, blacksmith, Hamilton, Ont., has suffered loss by fire.

DEATHS.

C. Norsworthy, of C. Norsworthy & Co., founders, St. Thomas, Ont., is dead.

PROTECTION WANTED.

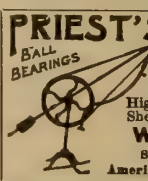
Mr. W. S. Scudder, of The Canadian Composing Company, through whom a petition has been in circulation among the members of the Montreal Board of Trade, with a view to getting the Government to join the International Convention for the protection of Industrial Property, said the other day that all English and Latin-speaking countries were now members of the convention, with the exception of Canada, which, either through apathy or official neglect, had failed to join. The convention, which covers patents, trade marks and industrial designs only, was organized in March, 1883, and was acceded to by Great Britain in 1884, with a reservation for Canada and other colonies, all of which have joined except the Dominion. Should Canada become a party to the convention, manufacturers of patented articles here would secure certain export rights without forfeiting patents abroad. The organization gives to a patentee the right to introduce his patent into any of the countries that are members of the convention under the same protection that would be accorded were he a citizen of the country into which he desires his patent to be introduced.

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TUBE MAKERS CONSOLIDATE.

THE consolidation of the chief tube manufacturing concerns in the United States appears to be about completed.

The companies which will be included in the proposed consolidation are The National Tube Works Company, The Riverside Iron Works, The Pennsylvania Tube Company, The American Tube and Iron Company, The National Galvanizing Company, The Chester Tube and Iron Company, The Oil City Tube Company, The Cohoes Tube Works, The Syracuse Tube Company, the tube mill of The Allison Manufacturing Company, Morris, Tasker & Co., The Ohio Tube Company and The Oil Well Supply Company.

One of the above companies, The National Tube Works, has a capital of $11,500,000, and the Riverside one of $3,000,000. The Consolidated concern will have a capital of $80,000,000, half in 7 per cent. preferred and half in common stock.

All the tube works in the United States are not, however, in the consolidation, several large companies having decided to retain their own identity.

The consummation of the consolidation will strengthen what is already a strong market.

ELECTRIC FORGES.

One of the astonishing things developed through the introduction of electricity into everyday affairs is a forge made for the bench use, for the heating of soldering irons or light peices of metal for working on the anvil, where the heating is accomplished by plunging the article to be heated into a tray of water, says an exchange. Nothing could be imagined more contradictory of one's preconceived ideas than this procedure, and yet to the electrician it is perfectly simple. He makes the proper connections, plunges his iron into the water, and pretty soon the iron will begin to glow under the water and then to turn red or white hot, just as he desires it for working. When he gets through working the iron, he may plunge it into the water again and cool it with a "siss" as expeditiously as he could in any other tank of water.

This curious forge is made as follows: The tank is of wood or any other other substance which will hold water and not form an electrical conductor. One wire of the electric circuit passes to the bottom of the tank, where it is connected to a plate of metal which lies there. Over this plate water, preferably saturated with salt, fills the tank nearly to the top, and serves to conduct the current to whatever object is to be heated. Nothing could be better for this purpose, for the water naturally closes all about the object and fits it on every side. The other end of the current-conducting wire is fastened to the tongs or led to a metal framework at the edge of the tank on which the tongs or the shank of a soldering iron lie when it is to be heated. The moment the object to be heated is plunged into the water a current passes from the water through the object, and at the same moment some of the water is decomposed by electrolytic action. The nitrogen of the water becomes electrified and adheres to the object to be heated and thus forms a film of gas, which separates the object competely from the water, while at the same time this gas forms such an obstruction to the passage of the electric current that the energy of the current is turned into heat.

Electric forges of various designs are coming into use in the place of fires for many of the blacksmith's operations. One of the new ones offered to the trade is arranged with one of its electrodes mounted at the end of an ordinary anvil, while the other electrode is swung above, where it can be drawn down by the pressure of a foot upon the pedal. The arm above has a wheel-like revolving head, and at the end of the spokes of this wheel are blocks of metal of various forms adapted to fit the objects to be heated. The blacksmith turns down the form that suits his work, presses his foot on the pedal and watches until he has a proper heat, and then, releasing the arm forges and finishes his work on the very anvil where it was heated. Such clever tools cannot, of course, take the place of the old bellows and fire for isolated shops, but in factories they are rapidly being introduced.

A MECHANICAL BRICKLAYER.

The latest device in the way of labor-saving machinery, says the London Mail, is what is described as a "mechanical bricklayer" for use in "automatically laying, cementing, and leveling bricks, slabs, stones and the like in the construction of fortifications, piers, bridges, viaducts, warehouses, dwelling houses and buildings of every description." Such an apparatus has this week been patented in Great Britain and abroad by a Birmingham consulting engineer and his son, who claim that it will save two-thirds of the time occupied in laying bricks by hand. "The mechanical stoker," say the inventors, "has proved a success—why not a mechanical bricklayer?" Of course, one result of the contrivance, if it proves a success, will be to reduce the amount of employment to the bricklayer by hand, and for a time at least, to reduce wages. On the other hand, houses will cost less, and the general public will benefit proportionally, because cheap houses means cheap rents. But it will be time enough to think of all these things when the "mechanical bricklayer" starts laying brick.

A GOOD MOVE.

It is understood The Hamilton City Improvement Society is now an established fact, and has for its president Mr. Steele, of Lucas, Steele & Bristol. The objects of the society are to promote the improvement and beautifying of the city, and to assist and stimulate the authorities in enforcing the laws relating thereto. It is to be hoped that similar societies will be established all over the country.

When one sees the wretched condition of lanes and streets in our towns and cities, the poor sanitary arrangements, and the badly kept lawns and sidewalks, the law respecting noxious weeds a dead letter, it is obvious there is a great need for a wide-spread creation of local improvement societies.

No class probably benefit more from well-kept streets and well-enforced laws than the merchants, and it is to be hoped they will be leaders in this movement.

A PLACE FOR PLEASURE-SEEKERS.

A neat little booklet has just been issued by the New Brunswick Tourist Association descriptive of St. John and the Maritime Provinces, to bring to the notice of the health and pleasure-seeking public the many advantages of climate and condition which are there to be enjoyed. This booklet will, no doubt, come as a revelation to many who are ignorant of the beauty of Acadian scenery, the abundance of fish and game, and the rare climatic features of this country; it is, in truth, the Paradise of the angler and general sportsman. The West Canadian tourist should visit this section of our Dominion in preference to any American seaside resort. In fact, the Americans themselves are showing a preference for Canada.

The booklet itself is an admirable specimen of the printer's art, and is a credit to the publishers.

CATALOGUES, BOOKLETS, ETC.

A GOOD BRUSH CATALOGUE.

The Osborn Manufacturing Co., manufacturers of brushes and brooms, hardware specialties, etc., 44-50 High street, Cleveland, O., have issued a new catalogue of the goods they are putting on the market. It is known as "Catalogue 91." This work includes illustrations and descriptions with prices of more than a score of brooms, and more than a hundred brushes, besides the large number of specialties, such as scrapers, scrubs, washers, dusters, furnace lamps, moulders' rammers and sprues, skate sharpeners, etc. The book is a veritable encyclopædia of these goods, and should often prove of value to the hardware dealer. It is worth sending for.

CHAT WITH A MAN FROM THE KLONDYKE.

"HAVE a talk with F. J. Long," said Mr. T. B. Alcock, secretary of The Gurney Foundry Co., Limited., to me on Thursday afternoon. "He has just come from Dawson City, and may be able to give you some information that will be interesting to readers of HARDWARE AND METAL."

I found Mr. Long about an hour later in his room at the Rossin House. He was preparing to leave for Ottawa.

"Are you in business at Dawson City, Mr. Long?" was my first query.

"Well, yes," was the answer, "but I am not a merchant. Last year I took a Niagara Falls acetylene gas machine and fixtures, and a large supply of carbide from The Wilson Carbide Co., in St. Catharines. I now have the lighting of 15 business houses in the city.

"Is there any competition?"

"Yes, electricity has been introduced, but so far they have lacked power, and where acetylene and electricity have come into competition, the former has won. But it is only a matter of time when electricity will be generally supplied. I believe the owners of the plant are out buying more machinery now.

"We are compelled to supply light from 21 to 23 hours per day during the winter season, and in the summer we have to supply some of the larger buildings with 12 hours' light a day. You see, some of the buildings there are 150 feet, or more, long, and have no windows except at the ends, so artificial light is needed."

"Have prices been as high as reported?"

"As high as any reports I have seen. For materials I have myself needed I had to pay fancy prices. I had to pay $1 to $1.50 per foot for ½ in. pipe; 50c. apiece for ¼ in.; 75c. for ½ in., and $1 apiece for 1 in. fittings. One sale of 200 feet of 1 in. pipe was made at $1.85 per foot, and 30 feet of steam hose was sold for $150, or $5 per foot. But, tell your readers they are too late to get a taste of these prices. Those who need these goods, or expect to need them next winter, are out for them now."

"I suppose that is what you are after?"

"Partly. My first reason for coming out was to see my family." Mr. Long stopped, and handing me photos of two bright boys, about 7 and 9 years old, asked: "They are worth seeing once in a while, are they not?"

Then he continued: "I also desire to patent a gold washing machine, which I have designed and constructed. Of the 150,000 miners in the Yukon district, over 100,000 use the old-fashioned rocker. My machine does the work of 15 such machines. It also saves water, as it will use the same water repeatedly. The miners are eager for me to put them on the market, but I want to protect myself first."

"Will you manufacture them yourself?"

"I will likely have them made in Vancouver. It is the nearest point, and freight rates are important factors in the price of machinery."

"What are the rates from Coast points to Dawson City?"

"From Vancouver, Victoria, or Seattle to Dawson via St. Michael the rates are $100 to $125 per ton. From any of these points to Dawson via Skagway and Lake Bennett it depends on the quantity taken. Over 10 tons, the rate is $165 per ton; over 20 tons, $145 per ton; over 40 tons, $135 per ton. The latter route has the advantage, though, as this is the best way to go in yourself. You can keep your goods ahead of you, whereas the St. Michael route is much slower. If I were sending a very large shipment, I would send it early via St. Michael. When I sent in the acetylene machinery and the carbide, I sent them via New York round the Horn to St. Michael for $140 per ton."

"Are the machines the only goods you will take in?"

"Oh, no! I have personal interest in 22 mining claims, and will need to take a good deal of material in. Included in this will be steamboilers for thawing the frozen ground."

"Are they in general use?"

"All miners get them as soon as they can. In the sinking of shafts and in drifting steam is now playing an important part. A jet of steam inserted four and a half feet in the frozen ground will, by remaining turned on for three hours, thaw from five to seven feet of ground, where, by the old method of thawing by wood fires, 15 to 20 inches is considered a fair burning. My trip will cost me $550, but I expect to save that on the materials I purchase."

"How many dealers in hardware are there in Dawson?"

"There are four or five who carry a regular line of shelf hardware, but nearly all the stores handle it, more or less. The bigger ones, such as The North American Transport and Trading Co., Limited, and The Alaska Commercial Company, carry everything. They have between them over twenty steamers."

Mr. Long brought out some photographs taken in the Yukon district. One of these was a photo of one of the Yukon river steamers. These are stern wheelers with small draught, and are in some cases as large as the Mississippi river boats, which they resemble in appearance. Between 70 and 75 ply the Yukon between Dawson and St. Michael, or Dawson and Lake Bennett.

Another photograph gave a fine view of Dawson. For such a quickly constructed city in the remote Yukon the buildings are very creditable. There are four churches, two hospitals, Salvation Army Barracks and Shelter, two banks and a post office. The last named is small, and a site for a new one has just been chosen.

Mr. Long was enthusiastic in his praise of the law and order in Dawson and vicinity, saying that he believed there was less criminality in that city than in any city of equal population anywhere.

"What is the outlook for permanent prosperity?" I asked, as a concluding query.

"I could hardly say. But, as time goes on, the country will steady down to a less exciting, but more satisfactory business policy. The miners who have good claims now throw away what is known as 10c. dirt, which, with the larger, improved machinery such as is used in British Columbia, would pay well. Men and companies are already applying for bed-rock sluices, for the sake of washing out with such machinery waste dumps and tailings. The waste dumps include the sand considered by miners as too poor to wash, and tailings are the residue left after the imperfect wash they give what sand they do handle. What the country now wants is capital, rather than lebor. A man with $10,000, or a company with $25,000, prepared to buy and develop known properties, would not fail to make a good thing in the Yukon this year or in the years to come."

Mr. Long predicted that excursions to Dawson City would be far from rare in the near future.

COMPOUND FOR CLEANING GLASS.

A mixture for cleaning window glass, according to an exchange, is prepared by moistening calcined magnesia with benzine so that a mass is formed sufficiently moist to let a drop form when pressed. Make the mixture as wanted for use, or else keep it ready prepared in glass-stoppered bottles. For use, dip a pad of cotton wool or rag in the paste, and rub it on the glass to be cleaned, and afterwards polish with a clean duster and chamois leather. Another cleaning compound for the same purpose is to mix one part of olive oil, one part of liquid ammonia, two parts of lime and one part of water to a thick paste.

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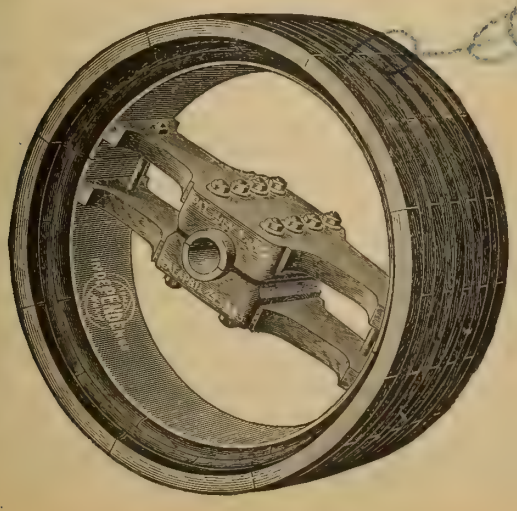
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TRADE IN OTHER COUNTRIES THAN OUR OWN.

THERE is a growing impression in the metal trade that prices for pig lead will take a sharp turn upwards when the smelting company settles its labor troubles.—New York Journal of Commerce.

A WEEK IN PIG TIN.

In its review of the pig tin market, The New York Journal of Commerce, of July 10, says: "A further sharp rise in prices took place the past week. In the New York market the advance was from 26¾c. to 28¼ to 28½c. per lb. In London it was from £121 12s. 6d. to £127 17s. 6d. per ton for prompt delivery, and from £122 12s. 6d. to £129 5s. for three months' futures. In the foreign market there was great speculative activity, contracts representing over 7,000 tons having changed hands. Not one transaction was recorded on the New York Exchange, however, and speculative dealings outside were moderate. Importers and dealers have evidently had enough to engage their attention in looking after ordinary business, which, to all accounts, was of larger volume than might have been expected in view of the extreme high plane of prices. About 1,100 tons arrived, and comparatively little of it came upon the market for sale, several hundred tons having been sold previous to arrival. At the close market value was conjectural, dealers quoted all the way from 28½ to 29c. nominal."

NEW YORK METAL MARKET.

PIG TIN—Some dealers who made low quotations on Tuesday, because of £2 reaction from the highest figures in London, were less nervous yesterday, and did not repeat their low figures. The fact that London reacted £1 over night steadied their nerves, if nothing else. It also had a sort of reassuring effect elsewhere, and, upon the whole, gave tone to the market that was intensified by later advices of an additional £1 5s. rise. However, consumers purchased very conservatively, as did also dealers, and all hands still incline decidedly to careful action, owing to the extreme highness of prices. The line of quotations here at the close was on the basis of about 28⅛ to 28¼c. for five-ton lots, and 28¼ to 28⅜c. for single tons.

COPPER—There were no signs of reaction in the market. In fact, business at prices "under the market," that has not been uncommon after an advance, was not heard of, and "outside" offerings were comparatively small. As for the mining companies, none quoted below 18½c. for Lake Superior ingot, and few, if any, offered copper for delivery prior to the last quarter of the year. Other varieties of the metal are held quite as firmly at 17¼ to 17½c. for electrolytic bars, etc., and 17¼c. for casting stock, according to brand. Dealings are momentarily rather moderate, since those buyers who did not come near future wants earlier in the month purchase in a hand-to-mouth way only at the moment.

PIG LEAD—Buying was rather tame, and inquiries did not appear as numerous as they were earlier in the week. Still, the market lost nothing in point of firmness in tone. Bids of 4.52½c. were refused in several instances, and no lead was obtainable at less than 4.55. As a rule, sellers quoted 4.60 as their lowest price for single carloads or larger lots.

SPELTER—Supplies available for prompt delivery here are again very moderate, and dealers are asking 6¼ to 6⅜c. for ordinary lots from store. Forward shipments are hardening under the influence of strong position at primary points, and 6 to 6.10c. is now quoted as bottom for New York delivery.

ANTIMONY—Jobbing movement of regulus continues good, and prices are steady at 10 to 11c., as to brand.

TINPLATES—The market is momentarily rather slow. Purchases are mostly of small lots and inquiries only fair. Still prices are firm, since about all stock coming forward on contracts is taken up.

IRON AND STEEL—Pig iron was without remarkable change. Highest prices that have ruled latterly prevailed all along the line, and offerings from all quarters were moderate. Deliveries continue heavy, yet cause no unnatural accumulation, although affording evidence that consumers have their wants for some time to come well covered. New business is of very fair proportions for the season, but chiefly in moderate quantities.

Reports from all quarters on manufactured products are roseate, noting activity at mills, fair amount of new business and stiff prices throughout.—N. Y. Journal of Commerce, July 12.

ACTIVE TINPLATE TRADE.

The Liverpool correspondent of The Iron and Steel Trades Journal writes his paper as follows: "In tinplates, prices have indeed been moving very rapidly, and it brings back to one's mind the advances which used to take place in the months before the McKinley Tariff Bill passed. There has been a very large business done; most works are comfortably booked for months to come, whilst some have even fixed themselves up to the end of the year. And still, the demand does not slacken; indeed, the high prices have brought a good deal of business out. There has also been a fair trade passing in ternes, and black plate has experienced a good call, both on continental and American account."

PIG IRON IN SCOTLAND.

On the Glasgow exchange the week opened with news of further advances in American prices, and reports of enormous sales for future delivery at full rates. On this, Scotch warrants were bid up to 67s. 3½d. cash, and 67s. 6d. one month. These are the highest prices recorded for the week, but the market has not fallen more than 6d. under these figures, and closes to-day at 67s. 4d. cash, an advance of 5d. per ton since last Friday. The shipments of pig iron from the Clyde have a rather more satisfactory appearance, as the area of distribution is widening, and small lots are being sent to unusual markets. Makers' quotations for shipping brands are higher than ever, and No. 1 Coltness is now quoted at 73s. 9d., and Gartsherrie at 72s. 6d. The cheapest brand, Govan, is held at 68s. 6d. There is no alteration in Connal's stocks at Glasgow.—Iron and Steel Trades Journal, June 24.

WIRE AND WIRE NAILS IN THE UNITED STATES.

In the Cleveland and Pittsburg districts repairs are still in progress at some of the plants. Demand is well maintained. For wire it is greater than the mills had counted on. There is no change in prices. Net cash in 30 days are now strict terms, though jobbers are are giving 60 days. We quote: Wire nails, $2.35, Pittsburg, in carload lots to jobbers; smooth wire, $2.20 to jobbers in carload lots; painted barbed wire, $2.45; galvanized, $2.95.—Iron Trade Review, July 13.

AN ENTHUSIASTIC TRAVELER.

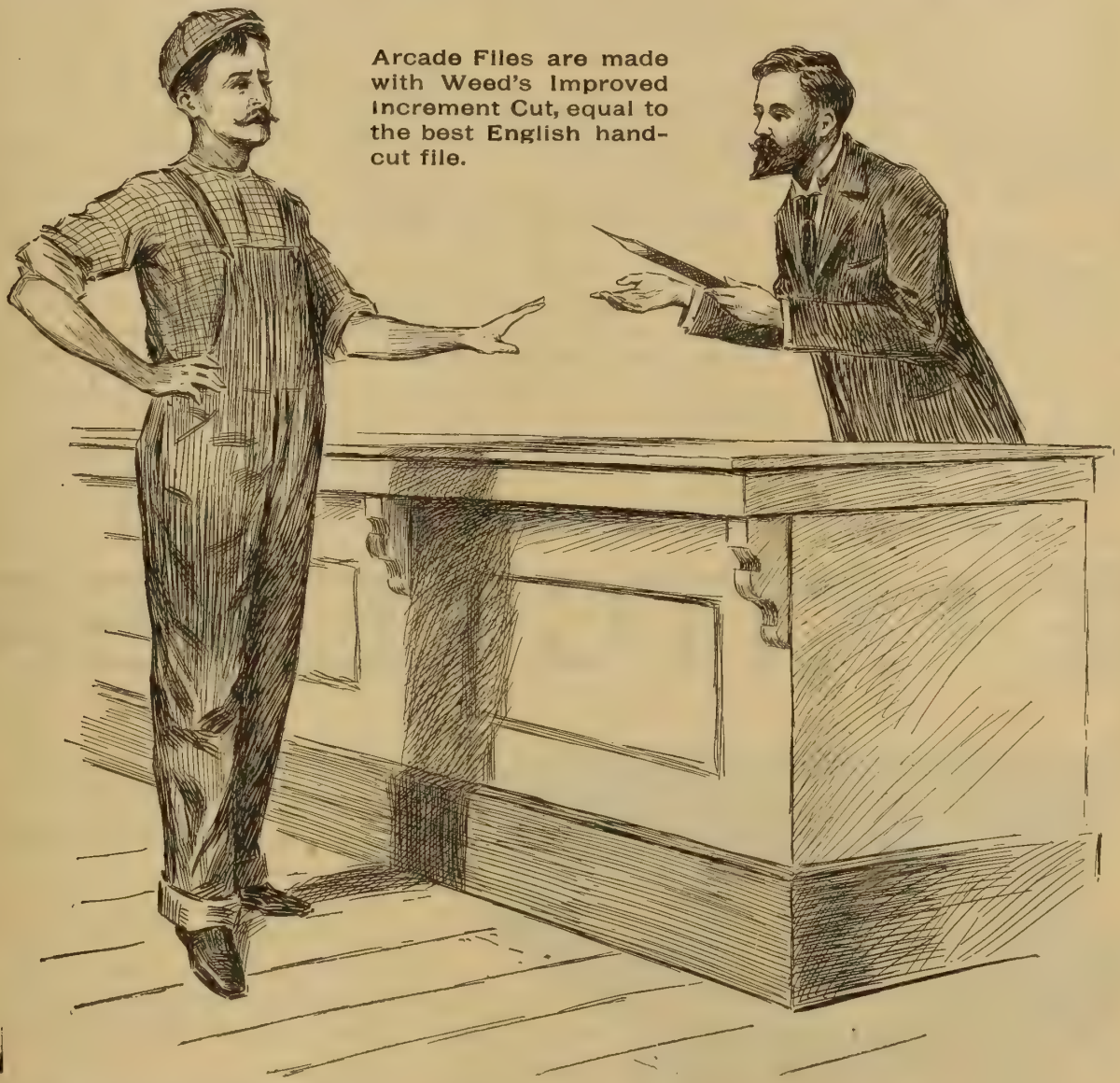
T. W. Sissons, of Sissons Bros., Hull, England, passed through Montreal this week with his son on his way home from a trip to China and Japan. He came via C.P.R. from Vancouver. He is enthusiastic over the condition of Canadian trade and is well satisfied with the progress of his branch in Canada. The business here has been very much in excess of what he anticipated when starting. Mr. Sissons intended staying much longer in Montreal, but his trip had been so long that the nearer he got to home the more anxious he became, and when he became satisfied with the excellent results of the Canadian branch he hurried on to New York, and sailed from there on July 13.

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ESTABLISHED 1842.

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118 Lake Street.
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Vice-President and Gen'l Mgr.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL July 14, 1899.

HARDWARE.

THERE have been general and radical advances throughout almost the entire list since last report, and the market is buoyant at the rise. It is no wonder, therefore, that traders are manifesting more and more anxiety to place orders ahead. The changes are referred to in detail elsewhere, among the more notable being advances in smooth steel wire, fine staples, wire and cut nails, horseshoes, bolts and rivets, and, in other lines, though no changes have transpired, strength is quite pronounced.

BARBED WIRE—Trade is quiet in barbed wire, but prices are firmly held on the basis of $3 f.o.b. here.

SMOOTH STEEL WIRE—There has been an advance of 10c. in this line, and inquiry is better. We quote the base $2.70 for Nos, 6 and 9.

FINE STEEL WIRE—An advance of 5 per cent. has been made in this article, discounts being 20 per cent.

GALVANIZED WIRE — A fair demand is noted, and prices are firm at $3 for No. 9.

BRASS AND COPPER WIRE — Quiet and unchanged. We quote discounts 50 and 2½ per cent. on brass, and 45 and 10 per cent. on copper.

FENCE STAPLES—These are unchangad. We quote: $3.05 for bright and $3.65 for galvanized per keg of 100 lb.

FINE STAPLES—The only change is in coopers', which are 5 per cent. higher. Discounts are: Cooper, 55; poultry netting, 45, and electrician, broom, bed, etc., 40 per cent. off.

WIRE NAILS—The base price for this line has been advanced to $2.70, and demand is fair.

CUT NAILS—These are 10c. per keg advanced on last week's basis at $2.25 f.o.b. Montreal, Toronto, Hamilton, London and St. John, N.B. Business is fair.

HORSE NAILS — Without feature, and discounts unchanged at 50 per cent. on standard and 50 and 20 on Acadia.

HORSESHOES—There has been a rise in these of 10c. on iron and 25c. on steel shoes. We quote as follows: Iron shoes, light and medium pattern, No. 2 and larger $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4; X L steel shoes, new light pattern, No. 2 and larger, $3.90; No. 1 and smaller, $4.15; featherweight, all sizes, Nos. 0 to 4, $5.15; and toe weight steel shoes, all forward, all sizes $6.25 f.o.b. Montreal, St. John, N.B., and Halifax, N.S. Delivered f.o.b. in Toronto, Hamilton, London and Guelph 10c. per 100 lb. extra.

SCREWS—In fair demand and steady. Discounts are: Flat head, bright, 82½ and 5 per cent; round head do., 75 and 5; flat head, brass, 75 and 5; round head do., 67½ and 5.

BOLTS—These are firm at the rise noted last week. Discounts are: Carriage bolts, 5-16 and smaller, 55 per cent.; ⅜ and up, 50 per cent.; full square bolts, 65 per cent.; machine bolts, 55 per cent.; coach screw bolts, 67½ per cent., and sleighshoe bolts, 72½ per cent.

NUTS AND WASHERS—There has been a

A NEW RANGE... "KITCHENER"



Sixty (60) sizes and styles of Ranges.

Eight (8) sizes and styles of cooks.

The most modern cheap range made in Canada.

Has ventilated oven, clinkerless duplex grates, heavy cast iron sectional linings that will not crack or crumble, and other modern ideas.

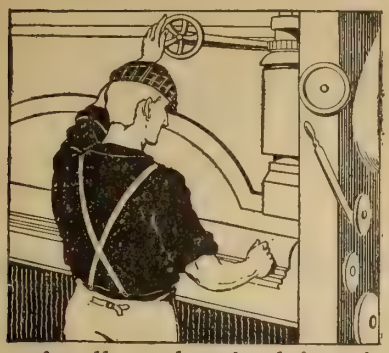
New Stove Catalogue now ready for Agents.

We supply everything for the Stove, Tin and Furnace trades.

If you want your orders filled quickly, order from McClary's.

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LONDON TORONTO MONTREAL WINNIPEG VANCOUVER



Apollo galvanized iron is one and the same, year in and year out.

Apollo Iron and Steel Company, Pittsburgh.

Cements { PORTLAND ROMAN KEENE'S

Bricks . . { FIRE BUILDING PAVING

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English Castor Oil

GUARANTEED PURE.

Pharmaceutical, Tasteless, Cold Drawn
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In cases of 2 tins and in barrels. Stocked by all Hardware, Oil and Color men.

The Hull Oil Manufacturing Co.
LIMITED

B. & S.H. THOMPSON & CO.
Agents for Canada - MONTREAL

CANADA IRON FURNACE CO.,
Limited
Manufacturers of

CHARCOAL PIG IRON

MONTREAL.

BRAND "C.I.F." THREE RIVERS

PLANTS AT

Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.

Geo. E. Drummond,
Managing-Director and Treasurer

decline on these. We quote: Square, 3¾c. and hexagon 4¼c. per lb.; discount off list. Washers in 50-lb. boxes are 50 per cent. discount.

RIVETS—These are 5 per cent. higher all round. Discounts now are: Black and tinned, 45 per cent.; ditto burrs, 40 per cent.; copper rivets and burrs, 35 per cent.

CORDAGE—Business has been fair since the advance last noted. We quote as follows: Manila, 7-16 and up, 12c.; ⅜, 12½c., and ¼ and 5-16, 13c. Sisal, 10¾c. for 7-16 and up; 11¼c. for ⅜, and 11¾c. for ¼ and 5-16. Binder twine: Pure manila, 10½c.; 550 feet, 10c.; sisal, 500 feet, 9½c.

CEMENT—Quiet and steady. We quote: Belgian, $1.90 to $2.10; English $2.30 to $2.40, and German, $2.45 to $2.65, per cask ex wharf.

FIREBRICKS—In fair request and steady at $12 to $23 per 1,000 as to brand.

METALS.

The buoyancy in all kinds of iron and metals continues, and any alterations there are to note are in an upward direction.

PIG IRON—Contracts have been few, but values are firm, $21.50 having been refused for Hamilton pig, with $22 asked.

BAR IRON—The prediction of $2 bar iron has been verified, prices touching that figure on Tuesday for less than car lots.

BLACK SHEETS—Firm at the rise. We quote: 8 and 16, $2.35; 18 and 20, $2.05; 22 and 24, $2.25; 26, $2.35, and 28, $2.40.

HOOP IRON—Steady, at $2.45.

STEEL—Without change. We quote: Sleighshoe and tire, $2.50; spring, $2.70; machinery, $3, and toe calk, $3.

GALVANIZED IRON — With stocks in small compass, values are firm. We quote: Queen's Head, $4.55 to $4.80; Comet brand, $4.30 to $4.55, according to the size of the order.

INGOT COPPER—Has continued firm at 19½ to 20c.

INGOT TIN—Jobbers have advanced their price on ton lots to 32c.

PIG LEAD—Without new feature at $4.25.

LEAD PIPE—Discounts reduced to 20 off. We quote ordinary, 7c.; composition waste, 7½.

IRON PIPE—Firmly held. We quote: Black pipe, ⅛ and ⅜-inch, $3.12; ½-inch, $3.09; ¾-inch, $3.72; 1-inch, $5.14; 1¼-inch, $6.82; 1½-inch, $8.66, and 2-inch, $11.02. Galvanized pipe, ⅛ and ⅜-inch, $5.64; ½-inch, $6.64; ¾-inch, $7.41; 1-inch, $10.12; 1¼-inch, $14.03; 1½-inch, $17.16, and 2-inch, $23.

CANADA PLATES — Values stiff at the recent advance. We quote: 52's, $2.30;

SHEET IRON STEEL

All grades for import at closest prices.

A. C. LESLIE & CO.
MONTREAL.

Sanderson's Cast Steel in stock.

FOX

All-Steel Sash Pulleys

THEY require no Screws—this means a saving of a gross of screws on every six dozen Pulleys.
THEY can be applied quicker than any other Pulley.
THEY are cheap, strong and durable.

NO NAILS NO SCREWS
JUST BORE FOUR HOLES

AIKENHEAD HARDWARE CO.
Toronto.

ADAM HOPE & CO.
30 JOHN STREET N.
Hamilton, Ont.

PIG TIN
PIG COPPER INGOTS
PIG LEAD
ANTIMONY
TIN, and CANADA PLATES

NOVA SCOTIA STEEL CO.
Limited
NEW GLASGOW, N.S.
Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

60's, $2.40; 75's, $2.50; full polished, $3.15; galvanized Canada plates, $4.25 for 52's.

TINPLATES—Firm, with advances noted in some of the higher grades. We quote as follows: Coke, I. C., $3.75; charcoal, I.C., Allaway or Comet brands, $4; do. I. X., $4.50; Lincoln, $4; P. D. Crown, $4.50; do. I. X., $5.50; Bradley's, $6.25.

TERNE PLATE—Prices on this article continue to stiffen, from $6.75 to $7, being asked this week.

COIL CHAIN — Firm. We quote: No. 6, 10¾c.; No. 5, 9¼c.; No. 4, 8¼c., and No. 3, 7¼c. per lb.; ¼-inch, $6; 5-16, $4.75; ⅜, $4.25; 7-16, $4.10; ½, $4; 9-16, $3.95; ⅝, $3.85; ¾, $3.65, and ⅞, $3.55 per 100 lb.

SHEET ZINC—Firmly held at 8 to 8¼c.

ANTIMONY — Inactive but firm, at 10 to 11c.

SPELTER—Without change, at $7.

GLASS.

There has been an advance of 10 to 25c. in window glass. We quote: First break, $1.90; second, $2 for 50 feet; first break, 100 feet, $3.60; second, $3.80; third, $4.25; fourth, $4.50; fifth, $5; sixth, $5.50, and seventh, $6.

PAINTS AND OILS.

The only actual change in this branch of trade is an advance in the price of turpentine of 2c., as a result of greater strength in the South. Mixed paints are fairly active and steady, and no changes are to report in oils. We quote:

WHITE LEAD—Best brands, Government standard, $6.00; No. 1, $5.62½; No. 2, $5.25; No. 3, $4.87½.

DRY WHITE LEAD—$4.75 in casks; kegs, $5.

RED LEAD—Firm; casks, $4.75; in kegs, $4.50.

WHITE ZINC PAINT—Pure, 8c.; No. 1, 6½c.; in oil, pure, 9c.; No. 1, 7½c.

PUTTY—We quote: Bulk, $1.65; bladders, in bbls., $1.80; bladders, in cases, $1.95; in tins, $2.05 to $2.30.

LINSEED OIL—We quote: Raw, 57c.; boiled, 58c., five to nine-barrels, 1c. less, ten and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to four barrels, 59 to 60c., two to four-barrel lots, 1c. less, five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Firm; $1 to $1.20 per gallon.

CASTOR OIL—Firm; at 7½ to 8c.

SEAL OIL—35½ to 37½c.

COD OIL—35 to 37½c.

NAVAL STORES—There is an improved demand for all lines, and prices show no change. We quote as follows: Resins, $2.75 to $4.50, as to brand; coal tar, $3 to $3.50; cotton waste, 4½ to 5½c. for colored, and 6 to 7½c. for white; oakum, 5½ to 6½c., and cotton oakum 9 to 11c.

PARIS GREEN—We quote: 250-lb. casks, 13½c.; 50-lb. drums, 14c.; 1-lb. packages, 15c.; ½-lb. packages, 16½c.; 1-lb. tins, 15½c.

PETROLEUM.

A fair trade is noted, and values are unchanged. We quote as follows: Crown Acme, the new Sarnia oil, 15½c.; Perfection and Silver Star Canadian refined, 14½c.; American prime white, 17c.; water white, 18c., and Pratt's astral, 19½c., in small quantities.

HIDES.

Some sales of beef hides have been made for shipment to the United States. Prices are steady at 9, 8 and 7c.; calfskins, 11 and 9c.; lambskins, 30c. each, and sheepskins, 85c.

COAL.

Business quiet. We quote: Stove, $5.75; chestnut, $5.75; egg, $5.50; Scotch grate, $6; Scotch steam, $4 to $4.50; Tower ports steam, $3.50 to $3.75.

MONTREAL NOTES.

Turpentine has been marked up 2c. here.

Cut and wire nails have both been marked up 10c.

Bolts are about 2½ per cent. higher than they were.

Smooth steel wire is 10c. advanced on the old basis.

Window glass is 10 to 25c. higher than it was last week.

Coke tinplate has been marked up another 25c., also ternes.

Iron horseshoes are 10c. higher and steel 15c. higher than last week's level.

The Sherwin-Williams Co. held a picnic at Isle Gros Bois on Thursday, July 13. A full account will appear next week.

ONTARIO MARKETS.

TORONTO, July 14, 1899.

HARDWARE.

THE past week has been a remarkable one for the advances in prices which have taken place in a good many staple lines of hardware. Wire and cut nails are both 10c. per keg dearer. The base price of smooth wire has been advanced 10c. per 100 lb. Horseshoes are 10c. dearer. The discounts on factory milk cans and milk can trimmings have all been reduced. Stamped and pieced ware is dearer by 12½ per cent. On tacks there has been an advance. Stoves and hollow ware are 5 per cent. dearer, and the enameled ware manufacturers have withdrawn special discounts which have been existing for some time. Many lines of harvest tools have also been advanced. The

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON'
KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
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MONTREAL

FOR SALE.

FOR SALE — BRANCH STORE — PLUMBING, Hardware, Stove, Furnace and Tinning Business. Established five years. Sales doubled in last year Only store of its kind within ten miles. Reasons for selling—Have all the business proprietors care to see to at their main store. $3,500 stock and fixtures. Rare chance for business man. Address, H. L. WHEELOCK, Rock Island, Quebec. t.f.

29 Years. Established 1870. 29 Years.
SEASONABLE GOODS AT RIGHT PRICES.
Barbed Wire Fencing; Agricultural Implements; Bradley Tin; Builders' and Cabinet Makers' Hardware. Special—A full line of Tinsmiths' Tools and Machinery—latest improvements.
SEYBOLD, SON & CO. - MONTREAL.


IRON AND BRASS
Pumps
Force, Lift and Cistern Hand and Power.
For all duties. We can supply your wants with—quality the best and prices right. Catalogues and full information for a request.
THE R. McDOUGALL CO., Limited
Manufacturers, Galt, Canada.

Wheelbarrows
ALL KINDS.
Navvy, Garden,
Stone, Stable,
Steel Tray, Tubular.
Best and cheapest on the market. Write for prices.
Eastern Agent
ALEXANDER GIBB
22 St. John Street, - - MONTREAL.

Meaford Wheelbarrow Works
CLELAND BROS. & CO.
Meaford, Ont.

JOHN BOWMAN HARDWARE & COAL CO.

London, Ont.

Just Received a large consignment of WINDOW GLASS per S.S. Sylvania and can fill all orders promptly.

JELLSTONE.

We will have this in stock in the course of a few days, put up in 5-lb. packages (white and eight tints) at the same price as barrels.

Don't load up with inferior Wall Coatings at higher prices.

SANDERSON PEARCY & CO.

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Cheap Fetchers and Carriers of Inexpensive Daylight.

"Luxfer Prism windows and pavement lights are a boon to progressive and thrifty merchants."



EATON'S—WITH LUXFER PRISMS.



EATON'S—WITH PLATE GLASS.

WE REST OUR CASE

upon a comparison between the amount required to light your store with Luxfer Prisms and the amount of your artificial light bills.

WRITE TO

Luxfer Prism Co., Limited.

58 Yonge St., Toronto.

American manufacturers of ice cream freezers have notified the jobbers of the withdrawal of prices, which, of course, means an advance in price. Canadian makers of locks, knobs, escutcheons, door sets and builders' hardware have advanced their prices 10 per cent. Reaping hooks are dearer. Marlin rifles have been advanced from 75c. to $1.50 each. In general, the hardware market is characterized by a much stronger feeling. The demand for smooth steel wire is fairly good, and, this week, there has been a slight improvement in the demand in hay-baling wire. Wire nails are meeting with a fairly good demand, but cut nails are still quiet. A slightly better demand is to be noted for horse nails. Horseshoes are still quiet. The screw trade keeps good, and the same can be said of bolts, rivets and burrs, Churns and wringers are still meeting with a fair demand. Harvest tools are going out well. Screen doors and windows and green wire cloth are still scarce. A good many letter orders are coming to hand, while payments are still fair.

BARBED WIRE—There is a little doing in wire, but prices are firm and unchanged at $3.25 per 100 lb. f.o.b. Toronto.

SMOOTH STEEL WIRE — Probably the feature in this line is an improved demand for hay-baling wire, the seasonable movement having set in. In oiled and annealed wire trade is fair. The base price is 10c. higher at $2.70 f.o.b. factory.

GALVANIZED WIRE — There have been no new developments in this line during the past week. The volume of business is moderate, and prices are unchanged at quotations. We quote: Nos. 6, 7, 8 gauge, $3.40; No. 9, $2.90; No. 10, $3.50; No. 11, $3.55; No. 12, $3.05; No. 13, $3.15; No. 14, $3.90; No. 15, $4.50; No. 16, $4.65.

WIRE NAILS—HARDWARE AND METAL, last week stated that an effort was being made to advance the price of this line. The effort has proved successful, for we, this week, quote 10c. per keg higher, at $2.75 f.o.b. Toronto.

CUT NAILS—These have also been advanced 10c. in price, the quotation to-day being $2.25 f.o.b. Toronto, Hamilton and London. Quite a demand has sprung up during the past week for 4 and 4½d. shingle nails.

HORSE NAILS — There is a little better demand for this line, and prices are unchanged. We quote: Standard, oval head, 50 per cent.; Acadia, countersunk head, 50 and 20 per cent.

HORSESHOES— The feature in regard to horseshoes is an advance of 10c. per keg in price. Business is still moderate. We quote f. o. b. Toronto, Hamilton, London and Guelph: No. 2 and larger, light, medium and heavy iron shoes, $3.60; snow shoes, $3.85; light steel shoes, $4.00; featherweight shoes, all sizes, $5.25. No. 1 and smaller, light, medium and heavy iron shoes, $3.85 per keg; iron snow shoes, $4.20; light steel shoes, $4.15; featherweight steel shoes, all sizes, $5.25.

SCREWS —A good trade continues to be done in screws at firm and unchanged prices. We quote as follows: Flat head bright, 82½ and 5 per cent. off the list; round head bright, 75 and 5 per cent.; flat head brass, 75 and 5 per cent.; round head brass, 67½ and 5 per cent.; flat head bronze, 67½ and 5 per cent.; round head bronze, 62½ and 5 per cent.

BOLTS—The discounts have been reduced on all lines except those which were changed last week. The demand keeps good. We quote: Norway bolts, full square, 65 per cent.; common carriage bolts, 5-16 and under, 55 per cent.; ditto, ⅜ and larger, 50 per cent.; ditto, full square, 65 per cent.; machine bolts, all sizes, 55 per cent.; coach screws, 67½ per cent.; sleighshoe bolts, 72½ per cent.; blank bolts, 55 per cent.; bolt ends, 62½ per cent.; nuts, square, 3¾c.; nuts, hexagon, 4¼c.; tapping nuts, 60 per cent.; tire bolts, 60 and 10 per cent.; stove bolts, 60 and 10 per cent.

RIVETS AND BURRS — Trade continues fairly good and prices are firm and unchanged. We quote: Carriage section, wagon box rivets, etc. (steel), 60 per cent. off the list; ditto (Norway iron), 55 per cent.; black M rivets, (steel) 60 per cent.; ditto (Norway iron), 45 per cent.; iron burrs, 40 per cent.; copper rivets, 35 per cent.; bifurcated, with box, $1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

ROPE — There is a moderate business doing and prices are steady at the recent advances of manila rope, We quote as follows: Sisal, 7-16 in. and larger, 10½c. per lb.; ⅜ in., 11c.; ¼ and 5-16 in., 11½c. Manila, 7-16 in. and larger, 12c. per lb.; ⅜ in., 12½c.; ¼ and 5-16 in., 13c.; New Zealand, 9½c. per lb.; Deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 8¾c. Clotheslines, 48 feet, 90c.; 60 feet, $1.20; 72 feet, $1.50; 100 feet, $2.

CHURNS — Business continues good and prices are unchanged. We quote as follows: Metal frame—No. 0, $3; No. 1, $3.20; No. 2, $3.40; No. 3, $3.75; No. 4, $4.50; No. 5, $5.90. The price of wooden frames is 15c. per churn less than the above. Terms, 3 per cent. off 30 days f.o.b. Toronto.

WRINGERS—A fair trade is still noted in this line. We quote as follows: "Leader," $60 per doz.; "Royal Canadian," $58; "Royal American," $48. Prices are all f. o. b. Toronto, Hamilton, Brockville, and Montreal. Discount, 45 per cent. Terms, four months, or 3 per cent., 30 days.

ICE CREAM FREEZERS—There is a decidedly strong feeling as to prices, and jobbers have been notified by American manufacturers, who now largely supply the Canadian market, that prices have been withdrawn. When the new figures come out they are naturally expected to show advances.

BUILDING PAPER—Trade continues fair and without any features. We quote as follows: Plain building, 28c. per roll; tarred lining, 35c., according to quality; tarred roofing felt, $1.40 per 100 lb.; carpet felt, $2.25 per 100 lb.

GREEN WIRE CLOTH—There is still a scarcity, and prices are firm and unchanged at $1.75 per 100 square feet.

POULTRY NETTING—A moderate demand is reported at the unchanged discount of 50 per cent.

SCREEN WINDOWS AND DOORS — The situation, as far as supplies are concerned, is most unsatisfactory, it still being almost impossible to get delivery. Of course, it is now getting towards the close of the season, as far as the wholesalers are concerned.

SPADES AND SHOVELS—There is not a great deal doing, and the discount is unchanged at 40 and 5 per cent.

HARVEST TOOLS, ETC.—Prices have been advanced about 15 to 20 per cent. on forks, hoes and rakes. On such goods as hay knives, brush hooks, hunters' axes, boys' axes and vegetable scoops, prices are about 25 per cent. higher. The discount on harvest tools is now 60 and 5 to 60 and 10 per cent.

STOVES— Manufacturers have advanced prices 5 per cent. A large business is being done.

OIL AND GAS STOVES —Are unchanged. Business is good in regard to both oil and gas stoves.

ENAMELED WARE — A new uniform list has been issued by the manufacturers, and, while the regular discounts are unchanged, the special discounts have been withdrawn and an actual advance in prices shortly is not improbable.

TINWARE—There is a seasonable trade being done in tinware and business is being maintained in this line much better than is usual at this season of the year.

CAST IRON FITTINGS—Prices have been advanced, the discount now being 50 per cent. instead of 55 per cent. as before.

CEMENT — A brisk demand is noted. Prices are firm and unchanged. We quote in barrel lots as follows: Canadian Portland, $2.65 to $2.90; English do., $3; German do., $3.10; Belgian do., $2.70; Canadian hydraulic cements, $1 to $1.10; calcined plaster, $1.90; asbestos cement, $2.50 per bbl.

REAPING HOOKS — There has been an advance of 30 per cent. in the price of reaping hooks, and we now quote as follows: No. 2, $2; No. 3, $2.05; No. 4, $2.15; No. 5, $2.20.

SPORTING GOODS — Shipments of guns, rifles, loaded shells and powder have been large during the past week, the season now having opened up for this class of goods. As a large trade is to be expected this season, dealers would do well to place their orders early.

METALS.

There is a decidedly strong feeling all round in metals, and in many lines there have been actual advances.

PIG IRON — The market is strong and trade fairly good. We quote Hamilton iron at $18.50 to $19 for No. 1. at the furnace.

BAR IRON — Bar iron has advanced another, 10c. and we now quote $2 base at factory. Trade is exceedingly brisk.

BLACK SHEETS—Trade is fairly active in this line and the price is firm at $3.00 for 28 gauge.

GALVANIZED IRON—While the laid-down cost of galvanized iron is rather higher, jobbers' quotations to the retail trade remain unchanged. The demand for galvanized iron continues brisk, while stocks are rather light. We still quote 28 gauge at $4.75 per 100 lb.

COPPER—Ingot copper has been selling freely during the past week at firm prices. A good business is also being done in sheet copper. The only change to note is an

advance of ½c. per lb. in braziers' sheets, the figures ranging from 23½ to 25½c. Ingot is unchanged at 19 to 19½c. per lb.

BRASS—Prices are unchanged, but there is not as much business being done as there was.

PIG TIN—The outside markets have been very excited during the past week, and prices rule much higher than before. Locally, quotations are up 2c. per lb., and we now quote Straits at 32c. to 33c., and Lamb and Flag at 33 to 34c. per lb.

TINPLATES—The market in England, according to cable dispatches, is still advancing, and as a consequence prices here are about 25c. per box higher on charcoal plates and 35c. to $1 on coke plates. It is very difficult to get delivery of tinplates, and orders placed in January last for prompt shipment have not yet arrived. The outlook is for strong prices.

CANADA PLATES—Prices are unchanged at $2.75 for all-dull and $2.85 for half-polished and $3.20 for all-bright. Business is increasing, although the volume is still small.

IRON PIPE — The market is still very strong, and the only thing that prevents a further advance in prices locally is the fact that some of the jobbers have large stocks on hand. An advance, however, in the near future, is expected. In fact, we know of one house which has already marked its figures up. We quote: ⅜ to ⅜ inch, $3.10; ½ inch, $3.25; ¾ inch, $3.80; 1 inch, $5.25; 1¼ inch, $7; 1½ inch, $8.75; 2 inch, $12; 2½ to 6 inch, discount 50 per cent. Galvanized pipe: ½ inch, $6.50; ¾ inch, $8; 1 inch, $11; 1¼ inch, $15.25; 1½ inch, $19; 2 inch, $27.

PIG LEAD — Trade is fair and prices steady at 4¼ to 4½c. per lb.

LEAD PIPE—Is in fair demand and unchanged at last week's reduction. The discount is still 20 per cent. The list price is 7c. for ordinary pipe and 7½c. for waste.

RANGE BOILERS — Business continues good and prices firm. We quote; Galvanized, 30 gals., $9; 35 gal., $10; 40 gal., $11. Copper, 30 gal., $22; 35 gal., $26; 40 gal., $30; discount off copper boilers, 10 per cent.

COIL CHAIN — Prices are firm and business only moderate. We quote: ¼ in. $6.75; 5-16 in., $4.75; ⅜ in., $4.30; 7-16 in., $4.15; ½ in., $3.05; ⅝ in., $3.85; ¾ in., $3.75.

SHEET ZINC—Trade in this line is a little more active than it was, and prices are unchanged at 8¼c. for cask lots and 8½c. for smaller quantities.

SPELTER —Much the same remarks apply to this as to sheet zinc. We quote 7½ to 7¾c. per lb.

SOLDER—As is natural, this line is advancing in sympathy with tin, and we quote half and-half at 19 to 20c., and refined at 18 to 19c. Trade in this line is decidedly brisk, dealers showing their confidence in the market by placing heavy orders.

SOIL PIPE—There has been an advance in standard, medium and extra heavy soil pipe, and the discount is now 50 and 10 per cent. Toronto and east and west.

ANTIMONY — Remains quiet and unchanged at 11 to 11½c. for Cookson's.

PAINTS AND OILS.

The feature of the market is the advance in turpentine, which is 4c. dearer than a week ago. The cause of the rise is higher prices on the primary market, where manipulation and a shorter crop than was expected are causing a stiff upward tendency. There is a good movement, as still higher prices are looked for. Other materials are in moderate demand, though the summer dullness has set in. Travelers are off the road. Prices throughout are steady. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $6.12½; No. 1, $5.75; No. 2, $5.37½; No. 3, $5; No. 4, $4.62½; dry white lead in casks, $5.10.

RED LEAD—Genuine, in casks of 560 lb., $4.90 to $5; ditto, in kegs of 100 lb., $5.15 to $5.50; No. 1, in casks of 560 lb., $4.75; ditto, kegs of 100 lb., $5.

LITHARGE AND ORANGE MINERAL—We quote: Litharge, 6 to 6½c.; orange mineral, 7½ to 8½c.

WHITE ZINC—Genuine, French V.M., in casks, $7 to $7.25; Lehigh, in casks, $6.

PARIS WHITE—We quote 90c.

WHITING — 55c. per 100 lb.; Gilders' whiting, 85c.

GUM SHELLAC—In cases, 24c.

PLASTER PARIS — Ordinary, $1.75 per barrel; New Brunswick, $2 per barrel.

PUMICE STONE—Powdered, $2.50 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, $1 per gallon; No. 1 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9c. per lb. and 10c. for single tins.

LINSEED OIL — Quotations to outside western points are (freight allowed): Raw, 1 to 4 barrels, 57c.; boiled, 1 to 4 barrels, 60c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside western points, freight allowed, 1 to 4 barrels, 65c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

The non-arrival of import glass is causing much trouble for the jobbers, but, as they are doing their utmost to hurry their orders, they are not worthy of the blame put upon them by some retailers for not having their glass ready for them. One shipment has been received in Montreal by a Toronto house, but no import orders are expected before August. Meanwhile, prices in Belgium are steadily advancing, so, when the glass does arrive, there will be good profit on it for importers. Stock prices in Toronto are firm, but unaltered, at the following figures: Star, first break in 50-foot boxes, $2, and in 100-foot boxes, $3.75; double diamond under 25 united inches, $6, Toronto Hamilton and London; terms 4 months or 3 per cent. 30 days.

OLD MATERIAL.

An advance of 5c. is noted on iron scrap. Copper and brass are ½c. dearer. The feeling is firm at the rise. We quote as follows: Agricultural scrap, 55c. per cwt.; machinery cast, 60c. per cwt.; stove cast scrap, 45c.; No 1 wrought scrap, 55c. per 100 lb.; new light scrap copper, 13c. per lb.; bottoms, 11½c.; heavy copper, 15c.; light scrap brass, 7½c.; heavy yellow scrap brass, 10c.; heavy red scrap brass, 10½c.; scrap lead, 2½c.; zinc, 3c; scrap rubber, 4c.; good country mixed rags, 65 to 75c.; clean dry bones, 45 to 50c per 100 lb.

COAL.

Business has improved greatly, and now orders are so good that jobbers are six to seven days behind in their orders. The advance of 25c. per gross ton is well maintained. We quote anthracite for July delivery at Buffalo and bridges: Egg, stove and nut, $4.50 per gross ton, or $4.01 per net ton; grate, $4.25 per gross ton or $3.79 per net ton.

MARKET NOTES.

Harvest tools are 15 to 20 per cent. dearer.

Import orders of glass are not expected before August.

The price of reaping hooks has been advanced 30 per cent.

Pig tin, tinplates, solder and braziers' sheets are all dearer.

Cut and wire nails and smooth steel wire are quoted 10c. dearer.

The discount on soil pipe has been reduced to 50 and 10 per cent.

Turpentine has advanced 4c., and is now selling at 64c. Toronto and 65c. at outside points.

Scrap iron is 5c. per cwt. dearer. Scrap brass and copper have advanced ½ to 1c. per lb.

H. S. Howland, Sons & Co., are in receipt of a shipment of Pieper's breach-loading guns. The firm reports that it has a good stock of American "Dead Shot" and Schultze's hard-ground smokeless powders.

76,800 Daily Production
5 Factories
5 Brands



For Sale all over the world.

16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of America.

NICHOLSON FILE CO., Providence, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited. Established 1773.

Manufacturers of **Polished, Silvered, Bevelled Chequered, and Rough Plate Glass.** Also of a durable, highly-polished material called "**MARBLETTE,**" suitable for Advertising Tablets, Signs, Facias, Direction Plates, Clock Faces, Mural Tablets, Tombstones, etc. This is supplied plain, embossed, or with incised gilt letters **Benders, Embossers, Brilliant Cutters, etc., etc.** Estimates and Designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow—12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address; "Glass, St. Helens." Telephone No. 68 St Helens.

AGRICULTURAL EARNINGS AND TRUSTS.

AT the closing session of the Industrial Commission last week, says Bradstreets, Mr. G. K. Holmes, of the Agricultural Department, furnished statistics showing that the average per capita earnings of farm laborers in the United States amount to $225 per annum, without board, compared to $227 paid to persons engaged in domestic service, $420 paid to miners and $445 paid to those engaged in the mechanical arts. He also submitted figures showing the per capita production of the agriculturists of the United States to be $117 in the South Atlantic States, $211 in the Southern Central States, $362 in the North Central States, $389 in the North Atlantic States and $519 in the Western States, the average production in manufactures being $850 per capita per annum. From these figures he deduced the conclusion that the condition of the farm laborer was wretchedly poor, while that of the farm owner was little, if any, better. He estimated that after all expenses were paid the farmer receives an average of only $22.61 per month, counting nothing for interest. For the past few years there has been a constant decline in the price of farm products, except in meat, dairy and poultry products. Referring to the probability of recommendations by the commission bearing upon the subject of trusts, he asked that the agricultural trusts be remembered. Among the farmers' organizations which he considered in the nature of trusts were the numerous fruit associations of California and other States and The Milk Producers' Association of Boston. There was also a tendency towards organization among the cotton growers, and if it ever took definite shape it would be the most gigantic trust in the country. Any law applying to trusts must bear upon these organizations, and there was no doubt, he said, they had been beneficial. He also referred to the numerous farmers' cooperative associations, of which, he said, there were 10,000 in the country. He thought they should be subject to State supervision for the protection of their members against dishonesty and incompetency. Mr. Holmes also suggested that the Southern States should take means to limit the percentage of liens on growing cotton crops. He considered the credit system in the South responsible for the overproduction of this staple article.

HALIFAX EXPORTS.

The value of the exports from Halifax, according to The Herald, for the year ending June last, was $940,020. For the year ending June 30, 1898, the value of the exports from Halifax was $997,589, a decrease this year of $57,569. The figures in detail are as follows :

	1899.	1898.
The mine	$19,733	$10,932
Fisheries (about $500,000 of which were lobsters)	667,224	678,736
The forest	98,611	122,717
Animals and other produce	14,283	24,153
Agricultural products	48,785	24,930
Manufactured articles	64,093	113,179
Miscellaneous articles	561	1,207
Total	$913,290	$975,854
Gold in bars	25,930	21,735
Coin, silver	800	.....
	$940,020	$997,589

IS AN IRON FAMINE LIKELY?

Discussing the problem of obtaining iron ore supplies for the present immense world's production of iron and steel, The Statist says : "The world's output of pig iron in 1898 is computed at 35,000,000 tons. That, on the usually accepted basis of two tons of ore to one ton of pigs, represents 70,000,000 tons of ironstone. Are the known resources of the producing countries equal to a continuous drain on that scale? But the output of pig iron this year—if America reaches her 14,000,000 tons, Great Britain makes up for the Welsh stoppage of last year and more, and Germany continues at present rate—will be, say, 38,000,000 tons, which represents 76,000,000 tons of ore. As a matter of fact, however, more than two tons of ore must be reckoned to one ton of pig iron, for, while we absorbed nearly 20,000,000 tons of ore last year, we only produced 8,631,151 tons of pig iron. Of course there were stocks of ore on hand, in transit and in process included in the reputed consumption and not represented in the returned output of pigs, but, with all allowance for that, the 2 and 1 measurement is not sufficient. For the anticipated make of pigs, then, at least 80,000,000 tons of ore will be needed. Where is it to come from? Last year the United States mines produced 23,000,000 tons; the Spanish mines 7,000,000 ; the German mines, say, 16,000,000 ; the British mines 14,000,000 tons—in all 60,000,000 tons. America, Great Britain and Germany alone consumed 56,000,000 tons last year, and this year will need at least 65,000,000 tons if the promised production is to be effected. The problem is to supply that quantity, and of quality adapted to existing plant. That there are undeveloped resources in Spain is not to be denied, but development takes time, and is a matter of cost, which, of course, becomes greater the further the deposits are from the seaboard. That our home supply can be materially increased is very doubtful—unless, at any rate, iron attains to a permanently higher level than at present. That the reserves of the United States are practically inexhaustible we are all accustomed to think, but the utilization of these reserves is all a question of price. Our own belief is that nowhere can the supplies of ore be so increased this year as to enable the estimated quantity of pig iron to be smelted. The future supplies can be increased, but will only be increased if the price of iron is maintained at a considerably higher level than in recent past years. In other words, we have entered upon an era of dearer iron."

Sale of Old Boilers and Scrap Iron.

SEALED TENDERS addressed to the undersigned, and endorsed "Tenders for old boilers and scrap iron," will be received at this office until Thursday, 20th inst., for the purchase of old boilers and scrap iron, now lying in the yards of the Public Buildings, Ottawa.

All necessary information may be obtained at this department on application to Mr. Wm. King, Mechanical Engineer. Tender to specify a bulk sum for the lot.

Boilers and scrap iron to be removed from Government property within ten days from acceptance of tender, and to be paid on delivery.

The Department does not bind itself to accept the lowest or any tender.

By order,
E. F. E. ROY,
Secretary.

Department of Public Works,
Ottawa, 11th July, 1899.

Newspapers inserting this advertisement without authority from the Department will not be paid for it. (28)

SEALED TENDERS addressed to the undersigned and endorsed "Tender for Supplying Coal for the Dominion Buildings," will be received at this office until Friday, 4th August, next, for the supply of Coal for the Buildings throughout the Dominion.

Specifications can be seen and forms of tender obtained at this office, where all necessary information can be had on application.

Persons tendering are notified that tenders will not be considered unless made on the printed form supplied, and signed with their actual signatures.

Each tender must be accompanied by an accepted bank cheque, made payable to the order of the Honorable the Minister of Public Works, equal to ten per cent. of amount of tender, which will be forfeited if the party decline to enter into a contract when called upon to do so, or if he fail to complete the work contracted for. If the tender be not accepted, the cheque will be returned.

The Department does not bind itself to accept the lowest or any tender.

By order,
E. F. E. ROY,
Secretary.

Department of Public Works,
Ottawa, July 8th, 1899.

Newspapers inserting this advertisement without authority from the Department will not be paid for it. (30)

MANITOBA MARKETS

WINNIPEG, July 10, 1899.

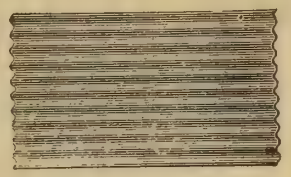
BUSINESS is very good. All houses are making active preparations to entertain visitors during Fair week. Geo. D. Wood & Co. will celebrate the opening of the big Fair by flying for the first time a fine 24-foot Union Jack, with the name of the firm in white on the red. The poie is surmounted by a very large gilt ball. The price list for the week shows several changes. Sisal rope has advanced ½c. per lb. and manila 1c. There is also an advance in graniteware, bar iron and carriage bolts.

List corrected to date as below :

Barbed wire, 100 lb	$3 75
Plain twist	3 75
Staples	4 25
Oiled annealed wire, 10	3 16
" 11	3 22
" 12	3 30
" 13	3 40
" 14	3 50
" 15	3 65
Wire nails, 30 to 60 dy, keg	3 25
" 16 and 20	3 30
" 10	3 40
" 8	3 55
" 6	3 60
" 4	3 80
" 3	3 75
Cut nails, 50 and 60 dy	2 65
" 20 to 40	2 70
" 10 to 16	2 75
" 8	2 80
" 6	2 85
" 4	3 15
" 3	3 40
" 3 fine	3 70
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No. 1	4 25
No. 2 and larger	4 00
Snow shoes, No. 0 to No. 1	4 70
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 70
No. 2 and larger	4 45
Extra light	4 65
Bar and band iron, $2.50 basis.	
Swedish iron, $5 basis.	
Tool steel, Black Diamond, 100 lb	8 75
Jessop	12 75
Sheet iron, black, 10 to 12 gauge, 100 lb.	3 25
14 to 26 gauge	3 50
28 gauge	3 60
Galvanized American, 16 gauge	4 25
18 to 22 gauge	4 50
24 gauge	4 75
26 gauge	5 00
28 gauge	5 25
Genuine Russian, lb	12
Imitation "	8
Tinned, 24 gauge, 100 lb	7 55
26 gauge	8 80
28 gauge	8 00
Tinplate, IC charcoal, 20 x 28, box	9 50
" IX "	11 50
" IXX "	13 50
Ingot tin	31
Canada plate, 18 x 21 and 18 x 24	3 25
Sheet zinc, cask lots, 100 lb	8 50
Broken lots	9 00
Pig lead, 100 lb	4 25
Wrought pipe, black up to 2 inch	50 p.c.
" Over 2 inch	50 and 10 p.c.
Rope, sisal, 7-16 and larger	11 50
" ⅜	12 00
" ¼ and 5-16	12 50
Manila, 7-16 and larger	13 00
" ⅜	13 50
" ¼ and 5-16	14 00
Solder	19
Cotton, all sizes, lb	15
Axes, per box	$5.50 to 8 00
Screws, flat head, iron	80, and 5 p.c.
Round " "	70 and 10 p.c.
Flat " brass	70 and 10 p.c.
Round " "	65 p.c.
Bolts, carriage 5-16 and smaller	50 p.c.
⅜ and larger	45 p.c.
Machine	45 p.c.
Tire	60 and 10 p.c.
Sleigh shoe	65 p.c

USE OUR RELIABLE

Corrugated Iron



For ROOFING, SIDING, CEILINGS, ARCHES, Etc.

We can supply any gauge or size desired up to 120 x 33—in Galvanized or Painted—straight or curved.
Made from genuine Apollo Sheets—the best to be had.
Every sheet is accurately squared before corrugating, and the corrugations are pressed one at a time—not rolled—and **fit exactly**, both at ends and sides, without waste or cutting.
Make satisfaction a certainty by sending us your specifications—our catalogue gives full information, have you one ?

THE METALLIC ROOFING CO., Limited

1179 King St. West, TORONTO.

Rivets, iron	50 p.c.
Copper, No. 8, lb	33½c.
Spades and shovels	.....
Harvest tools, 60 to 60-	10 p.c.
Axe handles, turned, s. g. hickory, doz	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 65
No. 1	1 25
Linseed oil, raw, per gal	61
" boiled "	64
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	25 p.c.
" military	15 p.c.
American R.F.	35 p.c.
C.F. pistol	5 p.c.
C.F. military	Net.
Loaded shells, Robin Hood, M	$20 00
Eley's soft, 12 gauge	15 00
chilled, 12 guage	16 50
soft, 10 guage	20 00
chilled, 10 guage	21 00
American, M	16 25
Shot, Ordinary, per 100 lb	6 50
Chilled	7 00
Powder, F.F., keg	4 75
F.F.G.	5 00
Robin Hood	10 00
Tinware, pressed, retinned	70 and 12½ p.c.
" " plain	70 and 20 p.c.
Granite ware, according to quality	60 and 10 p.c.
Turpentine, by barrel	72c.
Less than barrel	77c.

BRITISH COLUMBIA COAL FOR THE NAVY.

ADMIRAL PALLISER'S RECOMMENDATION.

The recent trials of Crow's Nest Pass coal for naval purposes have been most satisfactory. Rear-Admiral H. Bury Palliser, Commander-in-Chief of the Pacific squadron, has sent the following letter to the company who supplied the coal for the trial from their mines at Fernie, British Columbia :

Imperieuse, at Sea, April 13, 1899

GENTLEMEN,—In answer to your letter of March 22, 1899, asking for an account of our trial of your Crow's Nest coal, we are happy to say it has been found most satisfactory—so much so that I have written to the Lords Commissioners of the Admiralty, recommending its use on the station, if a satisfactory arrangement can be made wi h your company.

H. BURY PALLISER, Rear-Admiral.

In addition, Admiral Palliser gave statistics of the test of the Crow's Nest coal, and compared it with other fuel used in the navy. He states that he found the coal in every respect superior to Pacific Coast or North of England coal, having less smoke, less ash, more durability, and greater evaporating power. The only coal he compares it with is best Welsh, and he declares that it is equal to this in most respects, only falling slightly below it in respect of smoke, and being 8 per cent. behind it in economy. At present, all the best steam coal used by the Pacific squadron is brought from South Wales, a distance of 20,000 miles by water round the Horn. Fernie can now supply the 40,000 tons per annum required for this service with a transportation of only 500 miles. In addition there is a large and increasing demand in Chinese waters.

BUSY NANAIMO.

Travelers from the local jobbing houses visiting Nanaimo just now say that business is brisk in the Coal City. Not a vacant house or business premises can be found, and houses are in constant demand. Joseph Morton, manager of The Manitoba Produce Company, who returned from a trip to Nanaimo recently, says : "Things are fairly booming in Nanaimo. The merchants are all busy and happy, and there is not an idle man in the whole place. In Nanaimo would be a good place for a man to strike who was looking for work. Business is as good as it was in 1890 and 1891, the years when Nanaimo had such a prosperous period. The present output of The New Vancouver Coal Company is over 50,000 tons per month, and the shipments of coal are right up to the amount produced."—Province, Vancouver.

HEATING AND PLUMBING

TORONTO BUILDING PERMITS.

BUILDING permits have been issued in Toronto to The Massey-Harris Co., Limited, for a one-storey brick moulding shop, on the south side of King street west, to cost $3,000; to The Eckardt Casket Co., for a two-storey boiler-house, to cost $2,000 ; to The Sanford Manufacturing Co., for alterations and additions to the store at the southwest corner of Adelaide and Yonge streets, to cost $2,000 ; to Mrs. T. M. Harris, for a two-storey and attic brick residence at 123 St. George street, to cost $13,000 ; to H. F. Squires, for a pair of semi-detached two storey and attic residences at 292 and 294 Robert street, to cost $3,000; to C. McCrimmon, for three attached two-storey and attic dwellings, rear of College street, on Concord avenue, to cost $4,500.

ZINC: ITS HISTORY AND USES.

This was the subject of a lecture recently delivered by D. W. Kemp before the Edinburgh and East of Scotland District of the National Registration of Plumbers. The ancient history of zinc, Mr. Kemp pointed out, was connected with its calamine ore, which, when smelted in a crucible with copper, made the alloy brass. The modern history of the metal was confined to the present century. The home of the industry was Belgium, where its manufacture had been carried to very great perfection. Although there was abundance of excellent ore in various parts of England, it was extraordinary that the manufacture of zinc should remain almost stationary in this country, in the face of a constantly increasing demand. The mines of Cumberland had actually been leased to The Vielle Montagne Zinc Co., the largest zinc manufacturers in the world, who employed about 300 miners at Nenthead, Cumberland. After raising the ore, it was then railed in its raw state to Newcastle. From that place, it was shipped to Antwerp, and thence it was sent by rail or canal to the works in the interior of Belgium. The ore was then manufactured into spelter, or sheet zinc, much of which came back to this country in various forms for plumbers and other consumers. The important question was thus raised as to what our technical colleges were doing. The metallurgy and use of zinc were then explained by 90 limelight views. A number of slides with statistics were exhibited, which showed that the production of spelter in the world was, in 1881, 260,000 tons in 1891, 356,000 tons, and in 1897, the latest returns, 436,000 tons, of which Great Britain produced, in 1881, 24,000 tons ; in 1891, 29,000 tons ; in 1897, 23,000 tons ; while the consumption of zinc in Great Britain in building construction, galvanizing, box-lining, telegraphy and telephones, and other uses had grown enormously. As an evidence of the esprit de corps in the zinc works of Belgium, it was stated that, although it was an extensive industry, employing many thousands of workpeople—the largest, The Vielle Montagne company, employing over 8,000 persons—strikes or trade disputes were unknown. This was due to the liberal management.

PLUMBING AND HEATING NOTES.

Catherine O'Brien, wife of Theodore Jacotel, has registered proprietress of Jacotel & Frere, plumbers, Montreal.

Partnership has been registered by Riopelle & Lafrance as plumbers in Montreal.

The machinery hall at the Toronto Exhibition Park is to be rebuilt at once. A frame or a brick building will probably be erected.

There is an agitation for waterworks in Windsor Mills, Que. Many new buildings are being erected in that town.

A. W. Peene has taken out a permit in Hamilton for a brick addition to the factory of The Meriden Britannia Company, to cost $2,000, and John Billings has received one for a three-storey brick store on James street, between King and King William streets, to cost $8,000.

The Montreal plumbers will hold their annual picnic about the middle of August. The exact date and place have not yet been decided upon.

WINNIPEG'S NEW C.P.R. DEPOT.

In an interview with The Winnipeg Free Press, Manager Wm. Whyte, of the C.P.R., stated that the erection of the railway's new depot and hotel and offices will probably be soon commenced.

Though the plans prepared by the architect, Maxwell, of Montreal, for the building have not been fully completed, the cost is estimated at about $500,000. The present station will be pulled down, and the material used in the new building. The station and hotel will present a solid block with handsome entrances on Main and Higgins streets. There will be a large shed for passenger trains with offices on each side, and the present tracks will be used entirely for freight traffic. The buildings are expected to be finished in about a year.

PLUMBING AND HEATING CONTRACTS.

Tenders are being asked for A. F. Gault's large departmental store on Milton street, Montreal.

Lessard & Harris, Montreal, have the contract for roofing and ventilating the new La Presse building, Montreal.

John Watson & Co., Montreal, have the contract for heating two houses for the estate of John Morrison, on Mansfield street, Montreal.

Tenders are in for plumbing and heating La Presse building, Montreal, but no announcement as to the successful tenderer has been made.

Alex. McKay & Co., Montreal, have the plumbing and heating of houses for the following: H. Trenholm and Wm. Bray, Westmount, and Mrs. Robinson, City Councillor street, Montreal.

J. A. Gordon, Montreal, has contracts for plumbing and heating the following buildings : Two stores and house, St. Catherine street ; two houses, Clandeboye street ; house and store, Prince Arthur street ; French Methodist school and parsonage, Delisle street, Montreal.

The Bennett & Wright Plumbing and Heating Co., Limited, Toronto, have the contracts for heating, wiring and plumbing in a large residence on St. George street, for Mrs. T. M. Harris ; for plumbing and heating in four residences on Roxborough avenue, Rosedale, and for alterations to plumbing and heating at the residence of J. T. Long, Wellesley and Jarvis streets.

TORONTO PLUMBERS' PICNIC.

The Toronto Journeymen Plumbers' Union hold their annual picnic at St. Catharines on Saturday. Most of the Toronto masters intend taking in the trip.

Preparations have been made for a big time throughout. An orchestra has been engaged to supply the music on the boat. A good programme of games, sports, etc., has been provided. One of the most interesting events will be a baseball match between the Toronto masters and the journeymen.

Roderick R. McKenzie has opened a general store in North Sydney, N.S.

SEND for specimen copy of Phillips' Monthly Machinery Register, containing over 5,000 entries of new and second-hand machinery of every description. The oldest established and most successful medium in the world. Established 25 years for the purpose of introducing those who have machinery for sale, to those who wish to buy, has a circulation of about 50,000 copies per annum, all over the world, and is used for continual reference by a large number of firms. It is consequently a most valuable advertising medium for all engineers and manufacturers. Subscription, 6s. per annum, price per copy, 6d. Sole Proprietor, CHAS. D. PHILLIPS, M.I.M.E., Newport, Mon., England. Telegraphic address: "Machinery, Newport, Mon."

The Syracuse Smelting Works

ARE MANUFACTURERS OF

Plumbers' and Tinsmiths' Solder

of highest quality. Highest market prices paid for old Brass and Copper.

SYRACUSE SMELTING WORKS

MONTREAL.

We are the Oldest and Largest Manufacturers of

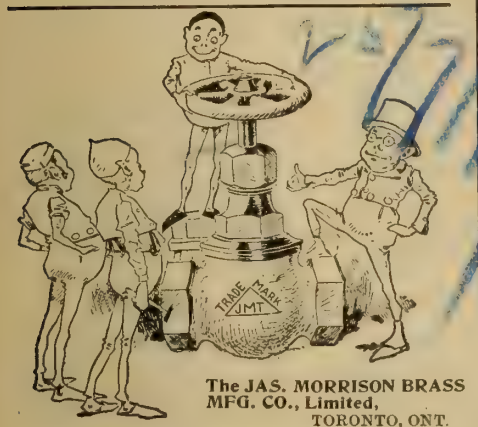
SCREWS and BICYCLE PARTS

in the Dominion. You know what that means, that if you want proper goods at proper prices you should write us, which please do if interested.

The . . .

John Morrow Machine Screw Co.

Ingersoll - Ontario.



The JAS. MORRISON BRASS MFG. CO., Limited,
TORONTO, ONT.

HARRINGTON & RICHARDSON ARMS CO.

WORCESTER, MASS., U. S. A.



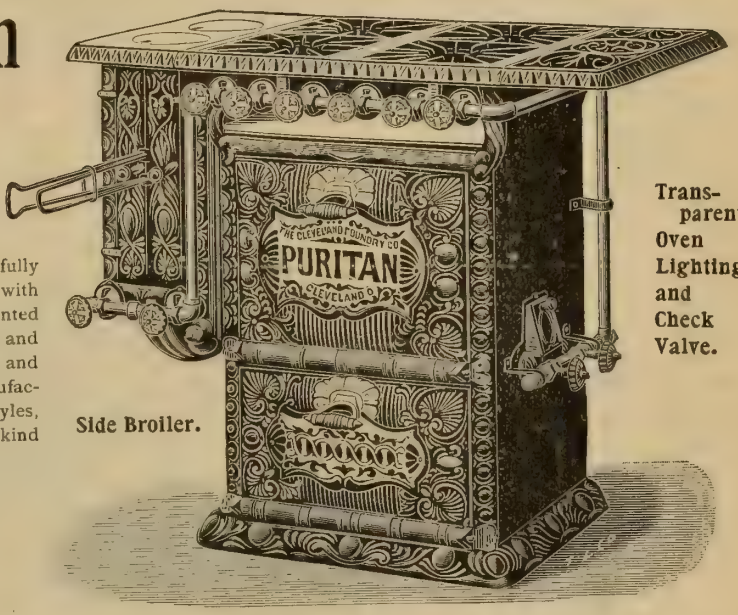
Makers of

High Grade REVOLVERS

SEND FOR COMPLETE CATALOGUE.

For sale by Sporting Goods and Hardware Stores almost everywhere.

Puritan Gas Range



Side Broiler.

Transparent Oven Lighting and Check Valve.

This range is beautifully designed and fitted with the latest needle-pointed stop valves. With and without water heaters and side broilers. Manufactured in two different styles, and suitable for any kind of gas.

Secure the agency for this line of goods and bring business to your store.

R. BIGLEY, Canadian Agent, Toronto, Ont.

Toronto Foundry Co.

Manufacturers of SOIL PIPE, FITTINGS, SINKS, BOILER STANDS.

Nos. 146-148-150 Niagara Street, TORONTO

The only Exclusive Manufacturers of Soil Pipe and Soil Pipe Fittings in Canada. . . . . .

All goods stamped T. F. Co. are warranted.

Ride Good Tires



Samson
New York
C. R. Co.
} Tires are Good Tires.

Write for Catalogue and Prices.

NEW YORK TIRE CO. - - Toronto, Ont.

THE SOIL PIPE CONSOLIDATION.

It was stated at the office of Boring, Magoun & Co. last week that that firm had not yet positively decided whether it would finance The Central Foundry Company—the proposed consolidation of soil pipe manufacturers with $18,000,000 capital. It is understood, however, that the firm will take up the matter if the promoters submit a satisfactory basis. Of the proposed capital $4,000,000 is to be on 6 per cent. bonds. The $14,000,000 stock will be divided equally into 7 per cent. preferred and $7,000,000 common.

It is understood the promoters have options on the soil pipe plants of the following concerns: Ronalds & Johnson Co., Monitor Iron Works, Cassidy & Adler, J. L. Mott Iron Works, New York City; H. McShane Manufacturing Co., Baltimore; J. Regester & Sons, Baltimore; C. A. Blessing, Philadelphia; Phœnix Foundry & Manufacturing Co., Lansdale, Pa.; Midvale Foundry Co., Allentown, Pa.; Wilmington Foundry Co., Wilmington, Del.; A. L. Smith Iron Works, Bignall Manufacturing Co., Beach & Co., Medina, New York; Ahrens & Ott Manufacturing Co., Louisville, Ky.; Illinois Malleable Iron & Steel Co., Chicago; A. Y. McDonald & Morrison Co., Dubuque, Ia.; St. Charles Manufacturing Co., St. Charles, Ill.; Rundle & Spence Manufacturing Co., Milwaukee, Wis.; Hoffman, Billings & Weller Manufacturing Co., Milwaukee, Wis.; L. Wolf Manufacturing Co., Chicago, Ill.; Humphreys Manufacturing Co., Mansfield, O.; Bell Manufacturing Co., Vincennes, Ind.; H. C. Wheedon & Co., Anniston, Ala.; Alabama Pipe Works, Bessemer, Ala.; Hoffman, Billings & Weller Manufacturing Co., Gadsden, Ala.; Rush Manufacturing Co.—New York Journal of Commerce.

A NEW PIPE JOINT.

A mechanical achievement of some importance is being accomplished at Adelaide, West Australia, viz., the making of about nine miles of steel pipe, from 15 to 26 inches in diameter, after a new design of rivetless longitudinal joint. Each section is 26 feet long, with but four pieces, two locking bars and two plates. Each plate is cut with square ends after passing through a tram of leveling rollers, following which a planer with four cutters on a sliding table cuts the two longitudinal edges parallel, and 16 rollers, eight on a side, carried by the bending rolls, upset the edges in a dovetail of uniform width and depth. Thence, the plate goes through a hydraulic press, which upturns the edges, after which it passes through rolls that bend it into a half circle, two of these being placed in grooves, in locking bars, and temporarily clamped together. The pipe is next subjected to hydraulic pressure of 50 tons per inch on an expanding mandrel, the grooves closed and the usual asphalt coating applied. The pipe is jointed in the trenches with steel rings and lead.

We Want Your Axe Order

FOR FALL SHIPMENT.

Kindly hold it till our representatives call on you.

James Warnock & Co., - Galt, Ont.



"GREENING'S COW TIES"

These Cow Ties have stood the test for years.

Undoubtedly the best and strongest on the market.

It will pay to handle only the best.

A complete line of all sizes ready for shipment.

For sale by all jobbers.

The B. GREENING WIRE CO.
LIMITED
MONTREAL AND HAMILTON.



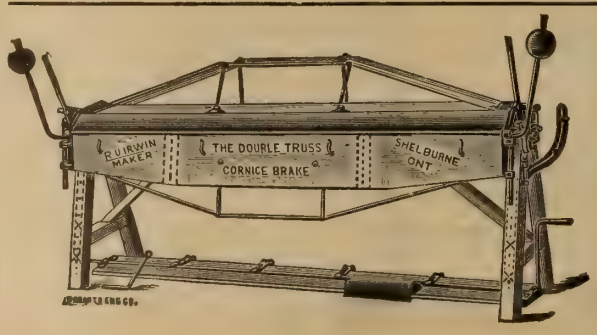
Geo. D. Wood & Co.
WINNIPEG, MAN.

Importers of and Dealers in

SHELF AND HEAVY HARDWARE, PAINTS, OIL, GLASS, PUMPS, ETC.

Stock now **complete** in seasonable lines. **Prompt** shipment.

Letter orders receive **special** attention.



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

Price, $50

Very handy beader attachment, $10 extra, if required.

Send for circulars and testimonials to

The Double Truss Cornice Brake Co. SHELBURNE, ONT.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, **Montreal.**

Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates Galvanized Sheets, Imitation Russia Sheets Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.



VanTuyl & Fairbank

Petrolia, Ont.

Headquarters for . .

Oil and Artesian Well Pumps, Casing, Tubing Fittings, Drilling Tools, Tables, etc.

R. C. LEVESCONTE

Barrister, Solicitor, Notary, Etc.

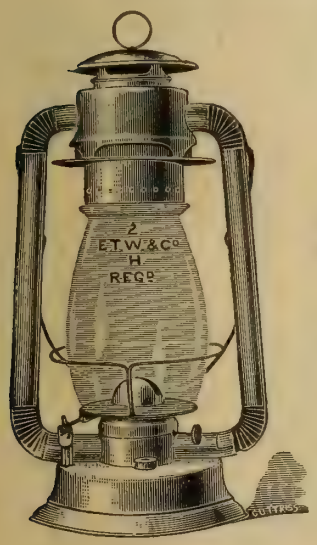
THE MCKINNON BUILDING
Cor. Jordan and Melinda Streets

. . . TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.

E. T. WRIGHT & CO.

Hamilton, Canada.



"Get the Best."

Mfrs. of

Cages, Tinware, Lanterns, Traps, Stovepipe and Elbows.

Send for new Catalogue.

TRADE MARK J REGISTERED.

"JARDINE" TIRE UPSETTERS WILL UPSET TIRES

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.
HESPELER, ONT.



PATENTED.

Standing Seam and Slate Roof
SNOW SHOE IRONS



No snow rails need be used unless desired. The lugs clinch through the seam easily but securely. Send for catalogue.

Berger Bros. Co.,

Mfrs. of TINNERS' HARDWARE AND ROOFERS' SUPPLIES,

Philadelphia, U.S.A.

STEVENS IDEAL, NO. 44



This is as reliable and accurate a rifle as can be constructed. Placed at a moderate price to meet the demand for such a rifle. It is recommended without qualification and fully guaranteed. Made in the following styles:

.22 Long-Rifle R. F., 25 Stevens R. F., and .32 Long R. F. Standard length of barrel for rim-fire cartridges, 24 inches. Weight 7½ pounds.

.25-20 Stevens C. F., .32-40 C. F., .38-55 C. F., and .44-40 (.44 W. C. F.) Standard length of barrel for center-fire cartridges, 26 inches. Weight, 7¾ pounds.

Half-octagon barrel, oiled walnut stock and fore-arm, rifle butt, case-hardened receiver, sporting rear and Rocky Mountain front sight.

Price, with standard length of barrel, $13.00.

Can be obtained of any of the leading jobbers in Canada at liberal discount from this price.

Send for complete catalogue of our full line of Rifles, Pistols and Machinists' Tools.

J. Stevens Arms & Tool Co., P. O. Box 217, Chicopee Falls, Mass., U.S.A.



The Leader Lawn Swing

Children's Delight, Satisfying to all, Perfectly Safe, Very Strong, Most Restful and Invigorating.

ORDER NOW.

THE DOWSWELL MANUFACTURING CO., LIMITED,

HAMILTON, ONT.

HUTCHISON, SHURLY & DERRETT

DOVERCOURT TWINE MILLS.

1078 BLOOR STREET WEST, TORONTO.

Having equipped our Factory with entirely new machinery, we are prepared to furnish the best made goods in the market at closest prices and make prompt shipments.

Hand Laid Cotton Rope and Clothes Lines,
Cotton and Russian Hemp Plough Lines, plain and colored.
Cotton and Linen Fish Lines, laid and braided.
Netted Hammocks, white and colored, Tennis and Fly Nets.
Skipping Ropes, Jute, Hemp and Flax Twines.

MAKING A BRASS INSTRUMENT.

THE bell of a brass band instrument, which is the big end, extending back to the bow or first bend, is made, according to an exchange, of a single piece of metal which was originally flat. The pattern by which the metal is cut is of the shape that a bell would have if it were slit straight down the side from end to end and and then flattened out. When a flat piece of metal from which a bell is formed has been cut out by such a pattern, it is bent by hand over a rod until the edges meet. The seam is brazed, and the piece of metal now has its trumpet-shaped form, but with many little more or less uneven places in the thin metal. The bell is then placed upon a wooden mandrel, a form which fills the interior of the bell from end to end, and is of the size and shape to which the bell is to be conformed. The inequalities in the surface of the metal are then worked out of it by hand with wooden hammers, the bell being repeatedly driven down upon the mandrel. When the bell has at last been brought, in this manner, substantially to its true form, it is finished and brought to its perfect smoothness of surface in a spinning-machine.

The bow of the instrument is made sometimes in two pieces, sometimes in one. All of the very largest instruments have the bow in two pieces, which are cut from flat metal, like the bell piece. These flat pieces, whose outlines conform to the curves of the bow, are struck into the rounded form with dies, and the two halves thus made are then joined. Many instruments of all sizes are made with the bow thus formed, but the costlier instruments, of sizes other than the very largest, are made with bow of a single piece bent.

The bow has some taper, being larger at the end where the bell is joined to it than at the other. The bent bow in its original form, as cut by the patterns, is a straight, flat strip of brass, a little narrower at one end than at the other, in shape like that of the face of a long, slender keystone, so that when it is rounded up into tube shape it will have the required taper. This piece is brought into tube shape and brazed and wrought into form and finish, all except the bending of it into bow shape, in substantially the same manner as the bell. The slightly tapering, but yet perfectly wrought section of pipe is then filled with molten lead. When the lead has cooled the section of pipe thus filled is laid across a wooden form shaped like the lower part of the figure U, into which it is gradually bent. As the pipe is bent down more and more, little wrinkles appear across the inner side.

These wrinkles as they appear are driven out by hand with very small hammers, and when the bow has finally been brought down to its form the surface of the inner curve is as smooth as that of the outer curve. Then the lead is melted out of it and the bow is put through the process of finishing.

CLERGYMEN AND TRADING STAMPS.

In The Kingston Times of July 6 was printed the following over the signature of "Citizen":

"Unless the merchants take a firm stand against trading stamps and coupons, the evil will spread to such an extent that many merchants will be ruined and many clerks thrown out of employment. I don't understand why more ministers do not use their efforts to try and rid cities of such things, which are, in many cases, causing the merchants and people to commit fraud. In order to get the ten stamps held out as a bait to force people to continue, some actually keep four and five books, and send different members of the family to get the stamps, then put into one book. Then, again, the people are so crazed that, for a fact, people have been known to take stamps in preference to a discount of 20 per cent. on an article. What are merchants thinking of, allowing a third party to step in between them and their customers and reap the profits, which justly belong to them? In less than a year, $15,000 have been taken from whom and for whom—by coupons and trading stamps?

"How are we going to get rid of them? It all depends on the people and merchants. If you don't feed the animal, it will die. If the clergy would bring up such matters as these it would be better than worrying about the heathen Chinese. Looking for something for nothing is next thing to stealing. Let all take up the broom of right and sweep trading stamps and coupons out of Kingston, same as they did in Halifax, Arnprior, and many other places."

HALF HOLIDAY IN VANCOUVER.

The Wednesday half holiday has gone in Vancouver and the reasons are various. It would seem to be lack of unanimity principally. There was also apathy on the part of some, though in the main the merchants have expressed themselves as quite willing to observe the holiday. The stipulation always made was that everyone should observe it. The only benefit that has arisen from the whole movement has been the establishment of a pretty generally observed early closing practice, which is, perhaps, a good deal to have accomplished if only the merchants continue to observe it.—Province, Vancouver.

J. O. Bouchard, of Bouchard & Turcotte, general merchants, Magog, Que., is dead. A statement of affairs is being prepared.

THE ABBEY IMPROVED CHILLED SHOT COMPANY, LIMITED, Newcastle-on-Tyne

All England Championship Cup, value £100, also stake £100, in all £200, on 7th December, 1898, the winner fired with our shot and writes us: "You will be pleased to hear I won the All England Championship Cup. **I fired with your chilled shot.** Indeed, I would not use any other, as I know from experience it makes the best patterns and kills best."



Ontario Nut Works, Paris
BROWN & CO.
Manufacturers of
All sizes of Hot Pressed Nuts, Square and Hexagon

Not in the Combination
Write for prices on
MRS. POTTS SAD IRON HANDLES.
M. SCHRAYER'S SONS & CO.,
49 Blue Island Ave., Chicago, Ills.

CAPITAL CITY BUSINESS COLLEGE.
A. M. Grimes, M.A., Principal.
Shorthand, Bookkeeping, Penmanship, Telegraphy, Business Correspondence and Proofreading. Pitman's or Munson's Shorthand, per month, $4 00. White's Phonography, per month, $8.00. Telegraphy, per month, $8 00. Bookkeeping and Business Practice, per course, $35,00. Bookkeeping and Business Practice, per month $5.00. Penmanship, per month. $3.00. Night School, per month, $3.00. Private Lessons, each, $1.00. Address, A. M. GRIMES, Principal, Cor. Bank and Sparks Sts., Ottawa.

ARE YOU A BUYER of
Hardware, Metals, Paints, Oils, etc.?
Send us Post Card, and a copy of the latest issue of HARDWARE AND METAL, the leading authority on these trades, will be sent to you free by next mail. Address:
The MacLEAN PUBLISHING CO., Limited
Board of Trade, MONTREAL.
[illegible] West, TORONTO
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Buy the Best.

HERCULES
Sash Cord.
Star Brand Cotton Rope
Star Brand Cotton Clothes Lines
Star Brand Cotton Twine
For Sale by all Wholesale Dealers

FOR SALE.

A NEW MARLIN RIFLE

Never been used. Just the Rifle for practice. Price $30. Will take $20.

19 Board of Trade, Montreal.

Lockerby & McComb

Manufacturers of

DOMINION BRAND TARRED FELT
SHIELD BRAND SHEATHING
GOOD LUCK FIBRE
2 and 3 PLY READY ROOFING

— DEALERS IN —

COAL TAR, ROOFING PITCH, ETC.

Factory, 144 Ann Street.
Office and Warehouse, 65 Shannon Street
MONTREAL



STEEL LETTERS and FIGURES.

If your Jobber does not keep our steel letters and figures send to us direct, we make everything in steel stamps.

HAMILTON STAMP & STENCIL WORKS
Hamilton, Ont.

D. F. Jones Manufacturing Co. Limited, of Gananoque, Ont.

Established 1852.

Shovels
Spades
Draining Tools



Grain and Coal Scoops and Miners' Shovels

The only Canadian manufacturers of Plain Back Shovels and Spades **THAT ARE SOLID,** without weld, and graduated from socket to point, and from centre to sides, of blades.

All our goods have trade mark on the handle.

FULL STOCK

DIAMOND BRAND



WIND GUARDS,
CHIMNEY TOPS,
FLUE LININGS,

CULVERT PIPES,
SEWER PIPES,
INVERT BLOCKS.

Manufactured by the

HAMILTON AND TORONTO SEWER PIPE CO.

Hamilton, Ontario. Limited

"GOOD CHEER"

Returned Aug. 10th 1899

Stoves and Ranges



A FULL LINE OF

Ranges. 4-Hole and 6-Hole, with Steel Oven.

Wood and Coal Cooks with Steel Oven.

Base Burners. Medium size, with or without Steel Oven.

Todds. Double Heaters, two sizes.

Round Oaks. Three sizes.

The

James Stewart Manufacturing Co.

LIMITED

WOODSTOCK, ONT.

CORPORATE MARK

JOSEPH RODGERS & SONS, Limited.

MANUFACTURERS OF

Pocket and Table Cutlery, Scissors, Razors, Erasers, Etc.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for Canada,

JAMES HUTTON & CO., - - Montreal

CURRENT MARKET QUOTATIONS

July 14, 1899.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—		
56 and 28 lb. ingots, per lb.	0 31	0 32
Straits	0 30	0 31

Tinplates.

Charcoal Plates—Bright.

		Per box
M.L.S., equal to Bradley.		
I.C., usual sizes		$5 75
I.X., "		7 00
I.X.X., "		8 25
R. & Co.—		
I.C		5 75
I.X		7 00
I.X.X		8 25
Famous—		
I.C.		5 75
I.X.		7 00
I.X.X		8 25
Raven & Vulture Grades—		
I.C., usual sizes		4 50
I.X., "		5 25
I.X.X. "		6 00
I.XXX., "		6 75
D.C., 12½x17		4 00
D.X		4 75
D.X.X		6 75

NOTE.—Other brands might be shaded by 25c per box.

Coke Plates—Bright.

Bessemer Steel—		
I.C., usual sizes		4 00
I.C., special sizes, base		4 25
20x28		7 50

Charcoal Plates—Terne.

Dean or J. G. Grade—		
I.C., 20x28, 112 sheets		7 75
I.X., Terne Tin		9 25

Charcoal Tin Boiler Plates.

		Per lb.
Cookley Grade—		
X X., 14x56, 50 sheet bxs	0 06½	0 07
" 14x60 "		
" 14x65, "		

Tinned Sheets.

72x30 up to 24 gauge	0 06¼	0 06¾
" 26 "	0 06¾	0 07
" 28 "	0 07½	0 07¾

Iron and Steel.

	Base	Price
Common Bar, per 100 lbs		2 00
Refined " "		2 30
Horse Shoe	2 15	2 25
Hoop steel, 1½ to 3 in. base, extras for smaller sizes		2 60
Swedish " "	4 00	4 25
Sleigh Shoe Steel " base		2 60
Tire Steel		2 50
Machinery		2 65
Cast Steel, per lb	0 10	0 14
Toe Calk Steel		2 95
Toe Weight Steel		6 10
Thos. Firth & Sons' Cast Steel	0 12	0 14
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker.	2 00	2 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½-inch		0 11
2 "		0 12
2½ "		0 14
"		

Steel Boiler Plate.

¼ inch		3 25
3-16 inch		3 40
⅜ inch and thicker		3 25

Black Sheets.

18 gauge		2 60
20 "		2 60
22 to 24 "		2 70
26 "		2 80
28 "		3 00

Canada Plates.

All dull, 52 sheets	2 75
Half polished	2 85
All bright	3 20

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ½ inch $3 25; ¾ inch, $3.80; 1 inch, $5.25; 1¼ inch, $7.00; 1½ inch, $8.75; 2 inch, $12.00. 2½ to 6 inch, discount 50 p.c.

Galvanized. ⅜ inch to ½ inch, $5 00; ¾ inch, $8.00 1 inch, $11.00; 1¼ inch, $15.25; 1½ inch, $19.00; 2 inch, $27.00.

Galvanized Iron.

	G C. Comet.	Amer.	Queen's Head.
16 gauge		3 85	4 00
18 to 24 gauge	4 25	4 00	4 25
26 "	4 50	4 25	4 50
28 "	4 75	4 60	4 75

Less than case lots, 25c. per 100 lb. additional

Chain.

Proof Coil, 3-16 in., per 100 lbs	
" ¼ " "	6 75
" 5-16 " "	4 75
" ⅜ " "	4 30
" 7-16 " "	4 15
" ½ " "	3 05
" ⅝ " "	3 85
" ¾ " "	3 75
Trace, per doz. pairs	3 60 5 90
Jack chain, iron, single, per doz. yards	0 13 0 50
Jack chain, double, per doz. yards	0 15
Jack chain, brass, single, per doz. yards	20 10

Copper.

Ingot.

English B. S., ton lots	0 19	0 19½
Lake Superior		

Bolt or Bar.

Cut lengths, round, ½ to ⅞ in.	0 23½	0 25
" round and square 1 to 2 inches	0 23½	0 25

Sheet.

Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 23	0 23½
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 23	0 23½

NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.

Tinned copper sheets		0 26
Planished		0 32

Braziers. (In sheets.)

4x6 ft. 25 to 30 lbs. ea., per lb.		0 25
" 35 to 45 " "		0 24
" 50-lb. and above, "		0 23

Boiler and T. K. Pitts.

Plain Tinned, per lb		0 28
Spun, per lb		0 32

Brass.

Roll and Sheet, 14 to 30 gauge.	5 per cent.
Sheets, hard-rolled, 2x4	0 24 " 25
Tubing, base, per lb	0 24 0 25

Zinc Spelter

Foreign, per lb	0 07½	0 07¼
Domestic "		

Zinc Sheet.

1 cwt. casks		0 08¼
Part casks		0 08½

Lead.

Imported Pig, per lb	0 04¼	0 04½
Domestic, per lb		
Bar, 1 lb		05¼
Sheets, 2½ lbs. sq. ft., by roll.	0 05	05¼
Sheets, 3 to 6 lbs., per sq. ft., by roll	0 04¾	0 05

NOTE.—Cut sheets ½ cent per lb. extra Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 20 per cent. discount

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths, lists at 7½ cents.

Shot.

Net list; no discount.

Soil Pipe.

Discount, 50 and 10 per cent.

Solder.

	Per lb.	Per lb.
Bar half-and-half	0 17	0 18¼
Refined	0 16½	0 17¾
Wiping	0 16	0 17

NOTE.—Prices of this graded according to quantity. The prices of other qualities or solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 11	0 11½

White Lead.

	Per cwt.
Pure, Assoc. guarantee, ground in oil, 25 lb. irons	6 12½
No. 1 do	5 74½
No. 2 do	5 37½
No. 3 do	5 00
No. 4 do	4 62½
Robertson's Chemically Pure	6 12½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B. B. Genuine	8 12½
" No. 1	7 25
James' genuine	7 20
" " No. 1	6 75

White Zinc Paint.

Elephant Snow White	0 08
Pure White Zinc	0 08
No. 1	0 06
No. 2	0 05

Dry White Lead.

Pure, casks	0 05½
Pure, kegs	0 05⅝
No. 1, casks	0 04⅞
No. 1, kegs	0 05⅛

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)

Pure, per gallon	1 00
Second qualities, per gallon	0 90
Barn (in bbls.)	0 70 0 90
The Sherwin-Williams Paints	1 20
Canada Paint Co's Pure	1 10 1 20
Robertson's Pure	1 00 1 10
Sanderson Pearcy's Pure	1 00 1 10

Colors in Oil.

(25 lb. tins, Standard Quality.)

Venetian Red, per lb	0 05
Chrome Yellow	0 11
Golden Ochre	0 06
French "	0 05
Marine Black	0 09
" Green	0 09
Chrome "	0 08
French Imperial Green	0 19

Colors, Dry.

Yellow Ochre (J. C.) bbls. per cwt	1 35	1 40
Yellow Ochre (J.F.L.S.), bbls. per cwt		2 75
Yellow Ochre (Royal), per cwt	1 10	1 15
Brussels Ochre		2 00
Venetian Red (best). per cwt.	1 80	1 90
English Oxides, per cwt	3 00	3 25
American Oxides, per cwt	1 75	1 90
Canadian Oxides, per cwt	1 75	1 90
Burnt Sienna, pure, per lb		0 10
" Umber, " "		0 10
do aw		0 09
Drop Black, pure		0 09
Chrome Yellows, pure		0 18
Chrome Greens, pure. per lb.		0 12
Golden Ochre		0 03¾
Ultra marine Blue in 28-lb boxes, per lb	0 08	0 24
Fire Proof Mineral, per 100 lb.		1 00
Genuine Eng. Litharge, per lb		0 07
Mortar Color, per 100 lb		1 25
James' Gen. Red Lead, 100 lb		0 04⅞
Pure Indian Red, No. 45, lb.		0 08
Whiting, per 100 lb		0 55

Paris Green.

250 lb. casks	0 13½
50 lb. drums	0 14
1 lb. packages	0 15
½ lb. "	0 16½
1-lb. tins	0 15½

Sulphate of Copper.

Casks, for spraying, per lb	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bladders in bbls	1 80
Bladders in 100 or 200 lb. kegs or bxs	1 95
Bulk in bbls., per 100	1 65
Bulk in less quantities	1 80
25-lb. tins, 4 in case	2 05
12½-lb. tins, 8 in case	2 30

Quotations f.o.b. Toronto—10c. per 100 lbs. extra Hamilton, London, Guelph. For quantities less than 100-lbs., 2½c. per lb.

Varnishes.

(In 5-gal. lots.)		Per gal.
Carriage, No. 1	1 30	1 40
Extra do.	1 50	1 60
Body Varnish	3 40	3 50
Furniture Varnish	0 50	0 60
Extra do.	1 00	1 10
Demar Varnish		1 50
Hard Oil Finish	1 30	1 35
Orange Shellac Varnish	2 00	2 10
White Shellac	2 20	2 25
Rubbing Varnish		2 00
Brown Japan		0 75
Elastic Oak	1 20	1 30

Linseed Oil.

Raw, per gal. net	0 57
Boiled, per gal. net	0 60

Outside points 1c. more than above figures

Turpentine.

1 to 4 barrels, net	0 54

Outside points 1c. more

Castor Oil.

In cases, per lb	0 09
Small lots	0 10

Cod Oil, Etc.

Cod Oil, per gal	0 50	0 55
Pure Olive		1 20
" Neatsfoot		90

Glue.

(In bbls.)

Common	0 08½	0 09
French Medal	0 12	0 12½
Cabinet, sheet	0 11	0 12
White, extra	0 16	0 18
Gelatine	0 22	0 30
Strip	0 16	0 18
Coopers	0 19	0 20
Al clear		0 09

HARDWARE.

Ammunition.

Cartridges.

B. B. Caps. Dom., 50 and 5 per cent.
Rim Fire Pistol, dis. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18 p.c. Amer.



EMERY

Cloth and Paper.
Glass and Flint Paper.
"Atlas" Brand

"FLORA" Knife Polish, in 3d., 6d. and 1/ tins

Ground, Washed and Flour.

WHEELS of highest quality for general and special purposes.



Write for Latest Catalogues and Samples to

EMERY GRINDING MACHINERY

THE LONDON EMERY WORKS CO., 10-12 Vine Street Clerkenwell, LONDON, E.C.

Agent in Canada—MR. T. L. PATON, 30 St. Francois Xavier Street, Montreal, P. O. Box 903.

Central Fire Cartridges, pistol sizes, Dom. 3½ per cent
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.
Brass shot Shells, 55 and 10 per cent.
Primers, Dom., 80 per cent.

Wads.

	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb bags	0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 250 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	

Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 33⅓ per cent.

Anvils.

Per lb.	0 10	0 12½
Anvil and Vice combined each		4 50
Wilkinson & Co.'s Anvils..lb.	0 09	0 09½
Wilkinson & Co.'s Vices..lb.	0 09¾	0 10

Augers.

Gilmour's, discount 50 and 10 p.c. off revised list.

Hollow, Stearn's, per dozen..	13 00	20 00
Adjustable, Stearn's, each .	4 50	6 50
Post-hole, Vaughan's, each..	60	90

AXES.

Splitting Axes	5 25	5 50
Chopping Axes—		
Single list, per doz	8 00	12 00
Double List, "	11 00	18 00

Beaver Axes, 40 and 15 p.c.
Broad Axes, 33⅓ per cent.

Bath Tubs.

Zinc	3 90	4 00

Copper discount 40 and 10 p.c. off revised list
Steel clad, 20 per cent. discount off revised list. Boxing extra.

Anti-Friction Metal.

"Tandem" A	per lb.	0 23
" B	"	0 19
" C	"	0 11½

Magnolia Anti-Friction Metal, per lb. 0 25
F. O. B. New York or Chicago.

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent.

Door.

Gongs, Sargant's	5 50	8 00
" Peterboro', discount 50 per cent.		

Cow

American make, discount 66⅔ per cent.
Canadian, discount 50 and 50 per cent.

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00

Blacksmiths', discount 60 per cent.

Belting.

Extra, 50 per cent.
Standard, 50 and 10 to 50, 10 and 5 per cent.
Agricultural, 60 and 10 p.c.

Bits.

Auger.

Gilmour's, discount 50 and 10 per cent
Rockford, Common, 70 to 70 and 10 per cent.
" Perfection, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent.

Gimlet.

Clark's, per doz	0 65	0 90
Diamond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind Rollers.

Annex, per doz	1 25	1 75
Mascott, "	1 35	1 85
Erminie, "	1 00	0 00

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Norway Bolts, full square	65
Common Carriage Bolts, 5-16 & under..	55
" " " ⅜ and larger.	50
" " " full square...	65
Machine Bolts, all sizes	55
Coach Screws	67½
Sleigh Shoe Bolts	72½
Blank Bolts	55
Bolt Ends	62½
Nuts, square	3¾c.
Nuts, hexagon	4¼c.
Tapping Nuts	60
Tire Bolts	60 and 10
Stove Bolts	60 and 10

Boot Calks.

Small and medium, per M	4 50
Small heel, per M	4 25

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis 37½ per cent.

Henis No. 8, "		6 00
Henis, No. 9, "		7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Plain building, per roll	0 28
Tarred lining per roll	0 35
Tarred roofing, per 100 lb	1 40
Coal Tar, per barrel	3 75
Pitch, per 100 lb	0 60
Carpet felt, per 100 lb	2 25

Bull Rings.

Copper, $1.50 for 2½ in. and $2 for 2 in,

Butts.

Brass.

Wrought Brass, dis., 10 p.c. revised list.

Cast Iron.

Loose Pin, dis., 6 to 60 and 10 per cent.

Wrought Steel.

Fast Joint, dis. 70 and 10 per cent.
Loose Pin, dis 70 and 10 per cent.
Berlin Bronzed, dis 70, 70 and 5 per cent.
Gen. Bronzed, per pair | 0 40 | 0 65

Cards.

Horse, per doz	0 60	1 00

Carpet Sweepers.

Bissell, per doz	22 50
World, "	21 75
Daisy, "	24 00
Star, "	18 00
Crown Jewel, per doz	29 00
Grand Rapids, "	24 00 33 00

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	2 65	2 90
English "		3 00
Belgian "		2 70
Canadian hydraulic	1 00	1 10

Figures are for barrel lots.

Chalk.

Carpenters, Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 70 and 5 per cent.
Warnock's, dis. 40 and 10 per cent.

Churns.

Revolving Churns, metal frames—No. 0, $3—No. 1, $3.25—No. 2, $3.40—No. 3, $3.75—No. 4, $4.50—No. 5, $5.90 each. Ditto, wood frames—15c. each less than above. Terms 4 months or 3 p.c. off 30 days, f.o.b.

Clips.

Axle dis. 65 per cent.

Closets.

Washout, plain		3 75
" embossed		4 00
Connections		1 10

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 20 per cent. from factory.

Dies.

Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. per cent

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Broad's, dis 75 per cent.
Warnock's, dis. 50 and 10 per cent.

Drills.

Hand and Breast.

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis. 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.

Stovepipe.

Per doz	0 85	1 70

FACTORY MILK CANS.

Discount off revised list, 45 per cent.

FILES.

Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Jowitt's, English list, 25 to 27½ per cent
Mechanics' Star & File Mfg. Co. Discount 60 and 10 to 70 per cent.

FORKS.

Hay, manure, etc., dis., 60 and 10 to 60 and 5 p. c. revised list.

FREEZERS

Ice Cream.

White Mountain, 1 to 25 qt	1 35	13 50

Arctic, dis. 50 p.c.

FRY PANS.

Acme, dis. 65 to 67½ per cent.

FRUIT PRESSES.

Henis', per doz	3 25	3 50

Shepard's Queen City, dis. 15 per cent.

GAUGES.

Marking, Mortise, Etc.

Stanley's, dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

GLASS.

Window.

Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	Double Diamond Per 50 ft.	Double Diamond Per 100 ft.
Under 26	2 00	3 75	3 20	6 00
26 to 40	2 15	4 05	3 40	6 65
41 to 50	....	4 50	....	7 00
51 to 60	....	4 75	...	8 25
61 to 70	....	5 10	....	9 00
71 to 80	....	5 50	....	10 00
81 to 85	....	6 10	....	11 50
86 to 90	....	7 25	....	13 50
91 to 95	....	....	....	15 00
96 to 100	....	....	....	18 00
101 to 105	....	....	....	20 50
106 to 110	....	....	....	23 50

HALTERS.

Rope, ⅜ per gross	8 25	8 55
" ½ "	9 25	6 50
" ⅝ "	11 00	11 20
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis 5 to 10 per cent. Can. dis. 25 to 27½ per cent.

Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz., net	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pair	0 40	2 50

Fork

C. & B., dis. 45 per cent. rev. list.

Hoe.

C. & B., dis. 45 per cent. rev. list.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 45 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾	0 20

HANGERS.

Door, 4 and 5 inch, per pair	0 40	0 50

Lane's, 62½ per cent.

HARVEST TOOLS.

Discount, 60, 10, and 5 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent.

HINGES.

Blind, Parker's, dis. 60 and 10 to 65 per cent
" Shepard's Noiseless, dis. 60 per cent.
" " Buffalo, dis. 60 to 70 p. c.

Heavy T and strap, 4-in., per lb			0 05
" " 5-in.,	"	....	0 01¾
" " 6-in.,	"	....	0 04½
" " 8-in.,	"	....	0 01¼
" " 10-in.,	"	....	0 04

Screw hook and hinge—

8 to 12 in., per 100 lbs	3 75
14 in. up, per 100 lbs	3 00

	Per gro. pair
Spring	8 50

HOES.

Garden, Mortar, etc., dis 60, 10 and 5 p.c.

Planter, per doz	4 00	4 50

HOOKS.

Cast Iron.

Bird Cage, per doz	0 50	1 10
Clothes Line, per doz	0 27	0 63
Harness, per doz	0 72	0 88
Hat and Coat, per gross	1 00	3 00
Chandelier, per doz	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.

Hat and Coat, discount 60 per cent.
Belt, per 1,000 ..... 0 60 0 70
Screw, bright, dis. 65 and 10 per cent.

HORSE NAILS.

"C" brand 50 p.c. dis. } Oval head.
"M" brand 50 p.c. }

Acadian, 50 and 20 p.c., countersunk head.

HORSESHOES.

Iron Shoes.	F.O.B. Toronto. No. 2 and larger.	No. 1. and smaller.
Light, medium, and heavy	3 60	3 85
Snow shoes	3 85	4 10

Steel Shoes.

Light	4 00	4 25
Featherweight (all sizes)	5 25	5 25

JAPANNED WARE.

Discount, 50 per cent. off list, June, 1899.

ICE PICKS.

Star, per doz	3 00	3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.

Copper, per lb	0 30	0 35

American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 50 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz		0 90
Bronze, Berlin, per doz	2 75	3 25
Bronze Genuine, per doz	6 00	9 00
Shutter, porcelain, F. & L. screw, per gross	1 30	4 00

KNIVES.

Clauss, bread, cake, and paring knives, $7 00 doz. sets net, to 10 per cent.
Christie, bread, cake, and paring knives, $7 00 doz. sets, with 10 p.c. off.
Hay knives, spear point, L. or T handle, 60 10 and 5 per cent.

Lightning, per doz	6 50	8 40

Health's, $7.75 net.

LANTERNS.

Cold Blast, per doz		7 00
No. 3 "Wright's"		8 00

LEMON SQUEEZERS.

	per doz.	
Porcelain lined	2 20	5 60
Galvanized	1 87	3 85
King, wood	2 75	2 90
King, glass	4 00	4 50
All glass	1 20	1 30

LINES.

Fish, per gross	1 05	2 50
Chalk "	1 90	7 40

LOCKS.

Canadian, dis. 50 p.c.		
Russell & Erwin, per doz	2 00	2 20

Cabinet.

Eagle, dis. 30 p.c.

Padlock.

English and Am., per doz	50	6 00
Scandinavian, "	1 00	2 40

Eagle, dis. 15 to 17½ p.c.

MACHINE SCREWS.

Iron and Brass.

Flat head, discount 25 p.c.
Round Head, discount 20 p.c.

MALLETS.

Tinsmiths', per doz	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz	3 85	5 00
Caulking, each	60	2 00

MATTOCKS.

Canadian, per doz	8 50	10 00

American, 60 and 10 p.c. off list.

MEAT CUTTERS.

American, dis. 30 to 32½ p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2d and 3d	$3 25	$3 75
3½	2 90	3 40
4 and 5d	2 85	3 15
6 and 7d	2 65	3 05
8 and 9d	2 40	2 90
10 and 12d	2 35	2 85
16 and 20d	2 30	2 80
30, 40, 50 and 60d. (base)	2 25	2 75

Steel Cut Nails 10c. extra.

NAIL PULLERS.

German and American	1 85	3 50

NAIL SETS.

Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.

Poultry, 50 and 5 per cent. for McMullen's.

OIL.

Canada refined (Toronto)	....	0 13½
Sarnia Water White	....	0 15
" Prime Water	....	0 14
American w. w.	....	0 16½
Pratt's Astral	....	0 18

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz	0 00	10 00

Zinc and tin, dis. 50, 50 and 10.

Copper, per doz	1 25	3 50
Brass, "	1 50	3 50

Malleable, dis. 25 per cent.

PAILS.

	per doz.
Galvanized, straight pattern No. 12	2 00
Galvanized, straight pattern No. 14	2 25
Galvanized, straight pattern No. 16	2 55
Flaring pattern, No. 11	2 25
" " No. 12	2 50
" " No. 13	2 85
" " No. 14	3 30

PIECED WARE.

Discount, 45 per cent. off list, June, 1899.

PICKS.

Per doz	6 00	9 00

PICTURE NAILS.

Porcelain head, per gross	1 40	3 00
Brass head, "	0 40	1 00

PLANES.

Wood, bench, Canadian dis. 55 per cent. American dis. 55.
Wood, fancy Canadian or American, 37½ to 40 per cent.
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.
Miscellaneous, dis. 25 to 27½ per cent.
Bailey's Victor, 25 per cent

PLANE IRONS.

English, per doz	2 00	5 00

PLIERS AND NIPPERS.

Button's Genuine, per doz pairs, dis. 37½ 40 p.c
Button's Imitation, per doz | 5 00 | 9 00
German, per doz | 0 60 | 2 60

PULLEYS.

Hothouse, per doz	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS

Canadian cistern	1 40	2 25
Canadian pitcher spout	1 15	2 00

PUNCHES.

Saddlers', per doz	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set	0 00	0 72
" hollow, per inch	0 00	1 00

RAKES.

Cast steel and malleable Canadian, list dis. 65, 10 and 5 p.c. revised list.
Wood, 25 per cent.

RASPS AND HORSE RASPS.

New Nicholson horse rasp, discount 60 p.c.
Globe File Co.'s rasps, 60 and 10 to 70 p.c.
Heller's Horse rasps, 50 to 50 and 5 p.c.

RAZORS.

	per doz.	
Geo. Butler & Co.'s	8 00	18 00
Boker's	7 50	11 00
Wade & Butcher's	3 60	10 00
Theile & Quack's	7 00	12 00

RIVETS AND BURRS.

Carriage, Section, Wagon Box Rivets, etc. (Steel), 60 p.c.
Carriage, Section, Wagon Box Rivets, et (Norway Iron), 55 p.c.
Black M Rivets (Steel), 45 p.c.
Black and Tinned Rivets, 60 p.c.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets & Burrs, 35 p.c. dis., and cartons, 1c. per lb. extra, net.
Extras on Tinned or Coppered Rivets in ½-lb. cartons, 1c. per lb.
Burrs, iron or steel, 40 per cent.
Terms, 4 mos. or 3 per cent. cash 30 days.

RIVET SETS.

Canadian, dis. 35 to 37½ per cent.

ROPE, ETC.

	Sisal.	Manila.
7-16 in. and larger, per lb.	10½	12
⅜ in.	11	12½
¼ and 5-16 in.	11½	13
Cotton		13
Russia Deep Sea		14½
Jute		6¾ 7½
Lath Yarn		8¾
New Zealand Rope		9½

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

Mrs. Potts, per set	0 67½	
" N. P., per set	0 80	

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 2½ per cent.
Emery, 40 per cent.

SASH CORD.

Per lb	0 20	0 50

SASH WEIGHTS.

Sectional, per 100 lbs	1 40	1 75
Solid, "	....	1 25

SAWS.

Hand, Disston's, dis. 12½ to 15 p.c.
S. & D., 40 per cent.

Crosscut, Disston's, per ft	0 35	0 55

S. & D., dis. 35 p.c. on Nos. 2 and 3.

Hack, complete, each	0 75	2 75
" frame only	....	0 75

SAW SETS.

"Lincoln," per doz	5 50	6 00

SCALES

Gurney Scales, 50 p.c.
B. S. & M. Scales, 50 p.c.
Champion 60 per cent.
Fairbanks Standard, 45 p.c.
" Dominion, 60 p.c.
" Richelieu, 60 p.c.
Chatillon Spring Balances, 25 p.c.

SCREENS.

Door, patent per doz	6 00	12 00
Window, per doz	2 00	3 00

SCREW DRIVERS.

Sargent's, per doz	0 65	1 00

SCREWS

Wood, F. H., iron, and steel, 82½ and 5 p.c.
Wood R. H., " dis. 75 and 5 p.c.
" F. H., brass, dis. 75 and 5 p.c.
Wood, R. H., " dis. 67½ and 5 p.c.
" F. H., bronze, dis. 67½ and 5 p.c.
" R. H. " 62½ and 5 p.c.
Drive Screws, 82½ and 5 per cent.

Bench, wood, per doz	3 25	4 00
" iron, "	4 25	5 75

SCYTHES.

Discount, per doz. net	4 50	6 00

SCYTHE SNATHS.

Canadian, dis. 50 p.c.

SHEARS

Seymour's, dis. 50 and 10 p.c.
Heinisch, dis. 50 and 10 p.c.
Clauss, full nickel, 50 and 10 p.c.
" japanned handles, 67½ p.c. off.
Seymour or Heinisch tailor shears, 15 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SNAPS.

Harness, German, dis. 35 to 37½ p.c.		
Acme	3 00	5 00
Lock, Andrews'	4 50	11 50

SOLDERING IRONS.

1, 1½ lb., per lb		0 37
2 lb. or over, per lb		0 34

WROUGHT SPIKES.

Discount, 35 to 40 per cent.

SQUARES.

Iron, per doz	1 65	2 90

Steel, dis. 70 per cent., revised list.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p.c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized		3 25
Bright		3 00

STOCKS AND DIES.

American dis. 25 p.c.

STONE.

	Per lb,	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador	....	0 13
" Axe	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, per ton	15 00	18 00

Stove Polish.



No. 4—3 dozen in case, net cash $4 50
No. 6—3 dozen in case, " 7 50

STEP LADDERS.

Best grade, from 3 to 10-ft. long, per foot, 16c.
2nd grade, 3 to 10-ft., per foot, 10c.

TACKS BRADS, ETC.

	Per cent.
Strawberry box tacks, bulk	75 and 10
Cheese-box tacks, blued	85
Trunk tacks, black and tinned	85
Carpet tacks, blued and tinned	80
" " (in kegs)	40
Cut tacks, blued, in dozens only	75 and 5
" ¼ weights	60
Swedes, cut tacks, blued and tinned— In bulk	80 and 12½
In dozens	75
Swedes, upholsterers', bu'k	85
" brush, blued and tinned, bulk	50
" gimp, blued tinned & japanned	75
Zinc tacks	30
Leather carpet tacks	60
Copper tacks	50
Copper nails	52½
Trunk nails, black and tinned	70
Clout nails, blued and tinned	70
Chair nails	40
Cigar box nails	40
Patent brads	45
Fine finishing	45
Picture frame points	20
Lining tacks, in papers	10
" " in bulk	15
" " solid heads, in bulk, 75 and 12½	
Saddle nails in papers	10
" " in bulk	15
Tufting buttons, 22 line, in dozens only	60
Tin capped trunk nails	15
Zinc glazier's points	5
Double pointed tacks, dozens	85 and 5
" " " bulk	40

TAPE LINES.

English, ass skin, per doz	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TINWARE.

Stamped, dis., Assn. list, 80 per cent.
Japanned, prices on application.
Pieced, prices on application.

TRANSOM LIFTERS.

Payson's per doz		2 60

TRAPS. (Steel.)

Game, Newhouse, dis. 40 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's, discount 10 per cent.

German, per doz	4 75	6 00
Brade's "	5 00	10 50

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb	....	0 21
Wrapping, mottled, per pack	0 50	0 60
Wrapping, cotton, per lb	0 17	0 18
Mattress, per lb	0 33	0 45
Staging, "	0 27	0 35
Broom, "	0 30	0 55

VISES.

Hand, per doz	4 00	6 00
Bench, parallel, each	2 00	4 50
Coach, each	6 00	7 00
Peter Wright's, per lb	0 12	0 13
Pipe, each	5 50	9 00
Saw, per doz	6 50	13 00

WIRE.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Smooth Steel Wire, base, $2.70 f.o.b. factory points List of extras: Nos. 2 to 5, advance 7c. per 100 lb.—Nos. 6 to 9, base—No. 10, advance 7c.—No. 11, 14c.—No. 12, 20c—No. 13, 35c.—No. 14 47c.—No. 15, 60c.—No. 16, 75c. Extras net per 100 lb.: Coppered wire, 60c.—tinned wire, $2—oiling, 10c.—special hay-baling wire, 30c.—spring wire, $1—best steel wire, 75c.—bright soft drawn, 15c.—in 50 and 100-lb. bundles net, 10c.—in 25-lb. bundles net, 15c.—packed in casks or cases, 15c.—bagging or papering, 10c.
Fine Steel Wire, discount 2 per cent. factory. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.50—No. 23, $7.65—No. 24, $8—No. 25, $9—No. 26, $9.50—No. 27, $10—No. 28 $11—No 29, $12—No. 30, $13—No. 31, $14—No. 32, $15 No. 33, $16—No. 34. $17. Extras net—tinned wire, Nos. 17-25. $2—Nos. 26-31, $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles. 25c.—in 1-lb. hanks, 50c.—in ¼-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.40—No. 9, $2.90—No 10, $3 50—No. 11, $3.55—No. 12, $3 05—No. 13, $3.15—No. 14, $3 9 —No. 15. $4.50—No. 16. $4.65.

Broom Wire, per lb	0 05	0 05½
Clothes Line Wire, 19 gauge, per 1,000 feet	2 75	3 00

WIRE FENCING.

	F.O.B Toronto
Galvanized, 4 barb, 2¼ and 5 inches apart	3 25
Galvanized, 2 barb, 4 and 6 inches apart	3 25
Galvanized, plain twist	3 25

Terms, 2 per cent. in 10 days.

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net | 1 75

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 70 to 70 and 10 p.c.
Standard, dis. 60, 60 and 10 per cent.
Coe's Genuine, dis. 30 to 32½ p.c.
Diamond dis. 33½ to 35 per cent.

Towers' Engineer, each	2 00	7 00
" S., per doz	5 80	6 00
G. & K.'s Pipe, per doz	....	3 40
Burrell's Pipe, each	....	3 00
Pocket, per doz	0 25	2 90

WRINGERS.

Leader	per doz.	$60 00
Royal Canadian	"	58 00
Royal American	"	48 00

Discount, 45 per cent.: terms 4 months, or 3 p.c. 30 days. Prices are f.o.b. London, Hamilton, Toronto, Brockville or Montreal.



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Buy McMullen's unequalled

Poultry Netting

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Fencing.

Made by

The Ontario Wire Fencing Co.
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CHAS. F. CLARK, President. **Established 1849.** JARED CHITTENDEN, Treasurer.

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In the Hardware Trade and How Avoided.

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PERFECTION AUTOMATIC REVOLVER.



NEW Automatic shell extracting, double action, small frame. Weighs 12 oz. Rebounding lock. 32 caliber. 5 shot.

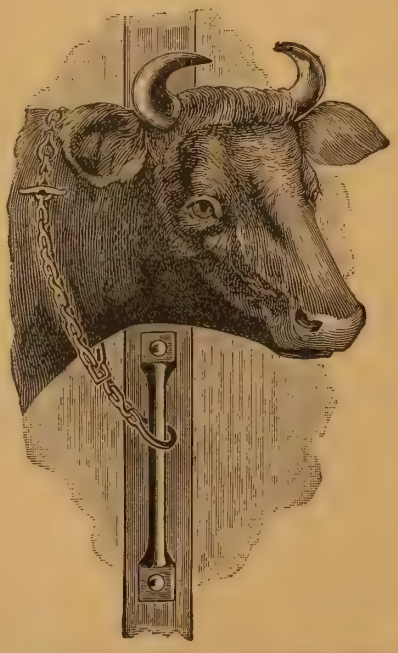
Made with shorter barrel for bicycle use.

The most perfect small pistol made.

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Manufacturers of the
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Dominion Pattern Cow Tie AND Stall Fixture

The special features of the tie and stall fixture are well shown in the illustration. As will be noticed the chain is very short which prevents all danger of entanglement with the animal's foot. At the same time the form of the fixture is such that great freedom is allowed to the head. Because of the short chain this tie is much cheaper than the ordinary patterns.

The stall fixture is made from a tough quality of steel and is very strong. Also, owing to its circular cross-section, it is exceedingly rigid. Its simplicity, convenience, cheapness, and ease of attaching make it very popular with cow tie users.

This form of tie and stall fixture are sometimes called Niagara pattern.

American or Flat Link Chain,

for years the standard cow tie chain in "the States," is now rapidly coming in favor in Canada. Its short link, handsome appearance and smooth surface—which cannot injure the animal's neck—make it superior to all styles of chain for cow ties.

For sale by all Jobbers; manufactured by

ONEIDA COMMUNITY, Limited. NIAGARA FALLS, ONT.

Est. 1863 — Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve Medals

Awarded
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TO INSURE COMFORT AND SAFETY

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possess a peculiar toughness adapting them for the HARDWARE TRADE.

The long fibre we make them of is responsible for this.

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CANADIAN
HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XI. MONTREAL AND TORONTO, JULY 22, 1899. NO. 29



Magnolia Metal

Best Anti-Friction Metal for all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up in bars, of which this is a

FAC-SIMILE.

The name and trade mark appear on each box and bar, and besides this, the words "Manufactured in United States" and "Patented June 3, 1890" are stamped on the under side of each bar.



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CHICAGO OFFICE—Fisher Building, 281 Dearborn Street.
CANADIAN OFFICE—524 Board of Trade Building, Montreal.

Owners and Sole Manufacturers,
266 and 267 West St., New York

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CANADA

Pays the consumer, because it always does his work and is as uniform as Iron can be.

Pays the dealer, because there is always a market for it, at a fair price.

Pays the maker, because he does an enormous trade and has no claims for defective Iron.

JOHN LYSAGHT, Limited
BRISTOL, ENG. MONTREAL.

Contractors Make Money

when they install the Safford Patent Radiators for hot water and steam heating. And they make *good* money, too. The Dollars and Cents profit is only part of it—the customer's satisfaction and good-will is the other half.

A leaky radiator will injure the business and the reputation of the best contractor in the world—the Safford Radiator is literally "always as tight as a drum." It has screwed nipple connections.

Toronto's City Hall and Court House are fitted throughout with Radiators made by the largest manufacturers of Radiators under the British Flag—

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Montreal, Quebec, St. John, N.B. Winnipeg, Vancouver, London, Glasgow, Edinburgh, Belfast, Antwerp, Berlin, Christiana, Auckland, N.Z., Johannesburg, S.A.R.

The Dominion Radiator Company, Limited
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RICE LEWIS & SON

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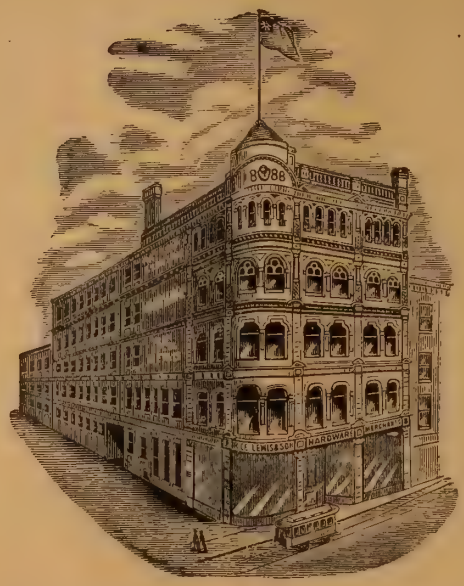
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Established 1825 Important Decision relating to the Established 1825

HEINISCH



TRADE-NAME ON SHEARS, TRIMMERS, Etc.

The U.S. Circuit Court, Southern District of New York, Judge Townsend, has rendered a decision in the suit of "R. Heinisch's Sons Co. vs. Hermann Boker & Co."

"The Complainant is entitled to an accounting, and to an injunction restraining them from using the names 'Heinisch' or 'H. C. Heinisch' on its Shears, Labels, etc., and otherwise, in any way which will interfere with Complainant's enjoyment of the benefits of its Trade-name."

Referring to the above decision, we would respectfully state our determination to protect our rights in the premises and warn all persons against any imitation of our Trade-name.

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N.Y. OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

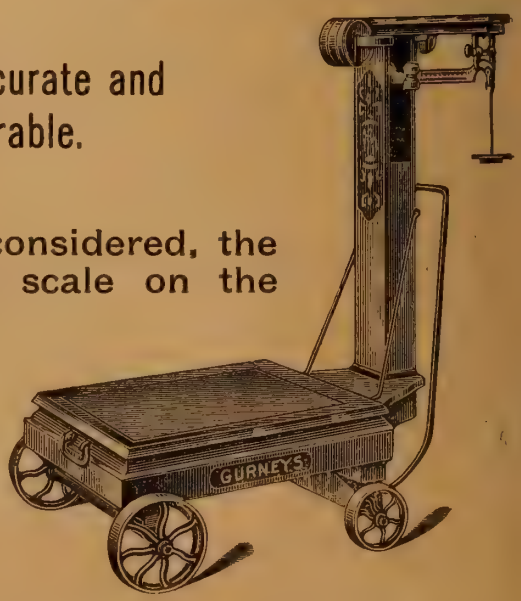
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Children's Delight, Satisfying to all, Perfectly Safe, Very Strong, Most Restful and Invigorating.

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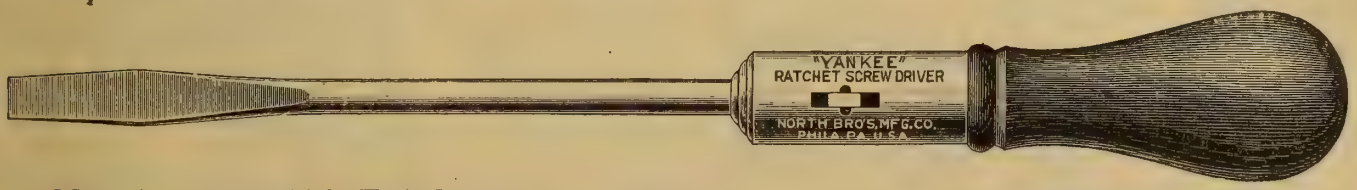
CANADIAN RUBBER CO. EXTRA HEAVY BRAND MONTREAL & TORONTO

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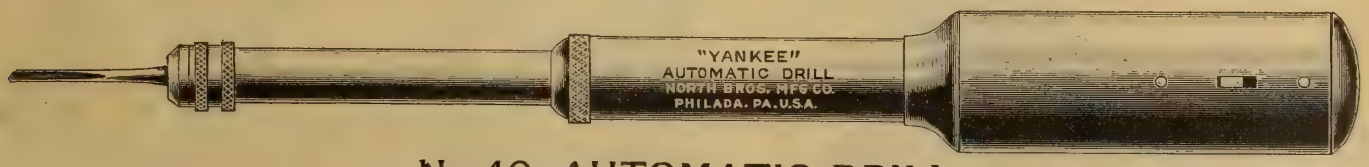
are sold by Leading Jobbers throughout the Dominion.



No. 10 RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.



No. 30 SPIRAL-RATCHET SCREW DRIVER.



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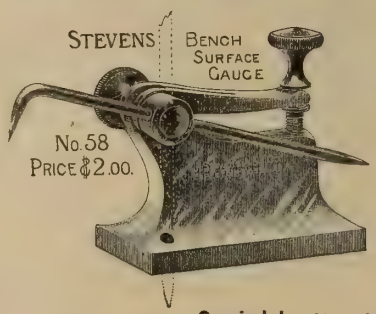
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"MAXWELL FAVORITE CHURN"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive.

LAWN MOWERS.

High and Low Wheels, from 12-in to 20-in. widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate.

WHEELBARROWS.

In Four different sizes.

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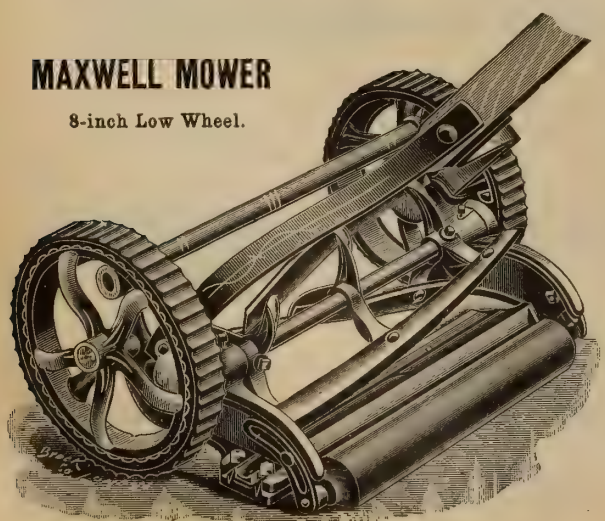
SEND DIRECT TO US.



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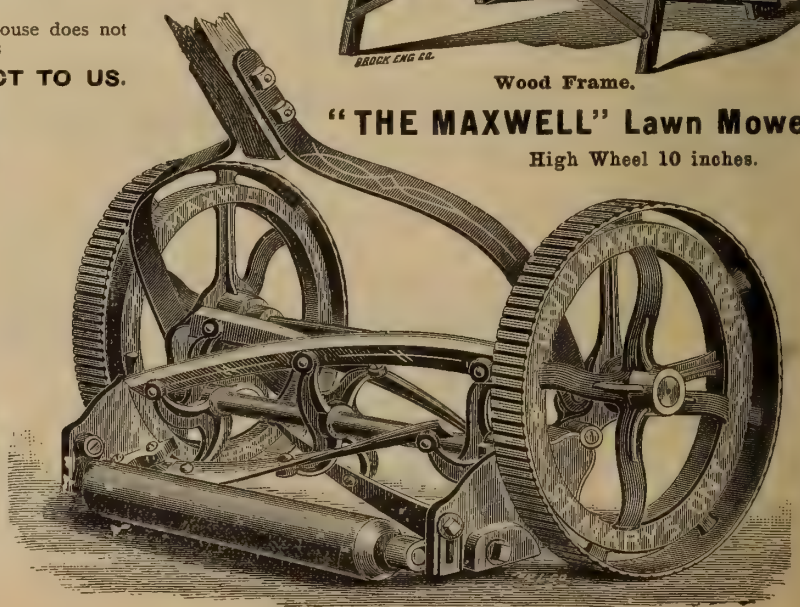
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8-inch Low Wheel.



"THE MAXWELL" Lawn Mower

High Wheel 10 inches.



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STANDARD PLEATED ELBOW.

A few reasons why it is a winner:



Long in the throat—which insures perfect draft.

Flat in the crimp—easily cleaned.

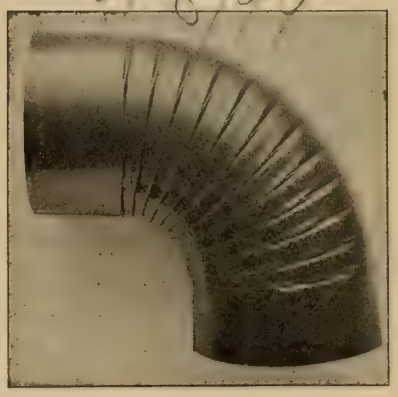
Holds no dirt, inside or out.

Adjustable—readily fitting all makes of pipe.

Saves time and labor in putting up. Makes neatest work.

See cut for style of crating—safe delivery insured.

Made of Russia iron and dark blue steel, in 5, 6, 7, 8 inches.



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BINDER TWINE.

There is none "just as good."

Pure Manila 650-ft. to the lb.

Blue Ribbon

Special Manila

Tiger

Standard

These Twines will not bunch at the knotter, and a Binder will run all day with them without stoppage, thus saving time, annoyance and an endless lot of trouble.

We pack our twine in bags of the size of ordinary grain bags and are not ashamed to put our name upon them. Don't take any other.

Consumers Cordage Company, LIMITED, Montreal.

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The Modern STOVE POLISH



PASTE.



LIQUID.



CAKE.

We present herewith cuts showing the three different forms of package in which Enameline is put on the market. The enormous amount of advertising being done to familiarize housekeepers with the name enables merchants to make quick sales. Don't load up with unknown brands—that's dead stock.

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Syracuse Anti-Friction Babbitt Metals

Acknowledged
to be the best made.
Quality always uniform.

We can furnish you with testimonials from the largest users in Canada. Is this not alone sufficient proof of its superiority above other metals? Prices upon application.

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MONTREAL, P.Q. and SYRACUSE, N.Y.

Kemp's New Patent Steam Cereal Cooker.

A simple, inexpensive kitchen convenience.

Useful in one hundred ways. . . . . .



In cereals cooked by this method the kernels are expanded by the steam circulating over them, making them tender, delicate, delicious, and readily digestible.

Made in Diamond and Granite Enameled Steel Ware and Retinned Ware.

Kemp Manufacturing Co., ...Toronto, Canada.

HARDWARE AND METAL

Vol. XI. MONTREAL AND TORONTO, JULY 22, 1899. No. 29

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THE GENERAL SITUATION STILL STRONG.

THE regular daily press despatches during the past week have had references to further advances in iron. These changes, considering the appreciation that has been in progress since the first of the year, are really remarkable.

Three weeks ago pig iron in New York was quoted at $20; to-day it is held at $20.50, while in Pittsburg No. 1 foundry iron has advanced in the interval $3 per ton, from $18.50 to $21.50, and billets $1.25 per ton from $32.75 to $34.

In the same period similar strength has been shown in Great Britain. On July 5 warrants were quoted at Glasgow at 69s. 5d. and at Middlesboro 68s. 6d. To-day they are 71s. 6d. and 72s. 1½d. respectively, an advance of from 2s. to 3s.

The comparison, therefore, between prices this year and those during the same period in 1898 is more marked than those which have been made previously in this column, as the following table will show:

British Prices—	1899. £ s. d.	1898. £ s. d.
Scotch Warrants	3 11 6	2 5 11
Middlesboro No. 3	3 12 11½	2 0 3
Lead, Soft Spanish	14 10 0	12 18 9
Spelter, G.M.B.	25 17 6	20 7 6
Straits Tin, Spot	131 12 6	71 1 3
Copper, G.M.B.	76 5 0	49 13 9
American Prices—	**1899.**	**1898.**
Pig Iron Warrants	$13.75	$ 6.60
No. 1 Foundry, Pittsburg	20.50	10.25
Bessemer, "	20.75	10.25
Steel Billets, "	33.00	14.50
Sheet Steel Bars, "	37.50	16.50
Lead, Desilverized, "	4.60	4.00
Spelter, Domestic, "	6.15	4.65
Straits Tin, Spot	29.05	15.65
Copper, Lake Ingot	18.50	11.50
Tinplates—		
J.B. grade coke, 100 lb	4.37½	2.70
Antimony, Cookson's	11.00	.09⅝
" Hallett's	9.85	9.00

Reference has been made before to the light existing stocks of tin and Canada plate in jobbers' hands at Montreal and other leading centres.

Nothing has transpired lately towards materially replenishing them. On the contrary, a number of firms, both in Montreal and the west, had good consignments of both lines on the ss. Merrimac, the vessel which went ashore in Anticosti last Saturday. It is a question whether there will be any salvage, and, in any event, if any of the cargo is saved, it will be delivered away behind time.

Deliveries, generally, are backward, even when such special causes as the above are wanting. Agents who have written complaining about this have been answered that makers in Britain are so rushed with orders that it is impossible to get work executed any faster. The makers also refuse to make firm offers for future deliveries either of tin or Canada plate, and such leading lines.

Altogether, the situation, generally, points still upwards despite the remarkable advances that have been recorded since January 1, last.

AFRAID OF CANADIAN HARDWOOD

THE National Hardwood Association of the United States, at a meeting held last week in Milwaukee, declared against reciprocity with Canada because of the lower tariff on lumber, which would be the resultant.

This is quite what might have been expected.

The hardwood forests in the northern part of the United States are gradually becoming exhausted, and it is predicted that those who now largely depend upon them will, ere many years, be compelled to draw upon the southern forests for their supplies.

In the meantime, however, the hardwood lumber men are reaping the advantage which this condition of affairs, accentuated by a keen demand, induces, for the prices they are getting to-day are $4 to $5 higher than a year ago, and the tendency is still upwards.

It is not surprising the National Hardwood Association is opposed to reciprocity.

N.B. LUMBER FOR ENGLAND.

The shipment of lumber from St. John, N.B. to Great Britain the past year, ending June 31, shows a large increase in all lines over the previous season, particularly in birch plank. The figures for the past year are: Spruce, 67,762,544 ft.; birch plank, 2,603,674 ft.; birch timber, 3,191 tons, and 131 tons of pine. Of this, W. M. Mackay shipped the larger quantity.

WIRE AND WIRE PRODUCTS 20c. HIGHER IN THE UNITED STATES.

WIRE and wire nails have again advanced in the United States. The change was made on Monday, and the advance is $4 per ton, or 20c. per 100 lb.

The price of wire nails to retailers is now $2.65 per keg f.o.b. Pittsburg in carload lots and $2.75 per keg for smaller quantities.

Barbed wire to retailers is $3.25 f.o.b. Pittsburg in carload lots and $3.35 for smaller quantities.

Smooth steel wire is $2.50 f.o.b. Pittsburg in carload lots to retailers, and $2.60 for smaller quantities.

Prices are almost certain to advance in Canada, in sympathy with the United States market, for, even before this last change, quotations in Canada were below the parity of those ruling across the line. It will be, perhaps, interesting to give a comparison of the f.o.b. prices ruling to-day at Pittsburg and factory points in Canada for wire nails in less than carload lots to retailers :

	Canadian Price.	Pittsburg Price.
Smooth wire, base....	$2 70	$2 70
Barbed wire.....	3 25	3 35
Wire nails.....	2 70—2 75	2 75

Barbed wire is, of course, free, but add the duty to the other lines and the Canadian manufacturers obviously have quite a margin to play upon. For example : The duty on a keg of wire nails is 60c. Add this to the price of wire nails in Pittsburg, $2.75, and we have $3.35 as the figure it would cost the Canadian retailer to import nails from across the border. This is 55 to 60c. more than he would have to pay for wire nails at home. Freight rates are not considered in either instance. But 60c. does not really represent the total difference, for the Canadian manufacturer allows a discount of 3 per cent. 30 days, while the terms in the United States are net cash 30 days.

The advances are not confined to wire and wire products. Foundry pig iron is 25 to 50c. per ton higher than a week ago, while some grades of pig iron have advanced as much as $2 per ton. Sheets are up $3 per ton, rails $1 per ton, billets and sheet bars 50c. to $1 per ton, and tinplates 50c. per box.

For a month that is usually characterized by a quiet trade and weak prices, July is doing remarkably well. And the indications as to the future favor, rather than otherwise, still higher prices.

LOWER DISCOUNT ON SCALES.

An advance of 10 per cent. is announced in the price of scales of Canadian make, due to the cost of raw material.

The manufacturers would have advanced their prices before this were it not for the fact that they were using up raw material which had been purchased prior to the appreciation in the market. Now that they are entering the market for raw material again they are compelled to mark up their prices to the trade.

The discount on standard scales is now 45 per cent. instead of 50 per cent., and on "Champion" 55 per cent. instead of 60 per cent.

A DIFFICULTY SETTLED.

The wage difficulty between The American Tinplate Trust and its employes has been settled, the former having conceded an advance of 15c. per cwt. in the base wages.

The men, it will be remembered, demanded an advance of 20 per cent, while the masters were only willing to accord 11 per cent.

A somewhat unique feature in the agreement under which the settlement is effected is a clause providing that in the case of an advance or decrease in the price of tinplates, the wages of the men are to vary accordingly. A selling price of $4.25 determined the minimum, and an advance of 2 per cent. of the base is made for each full 10c. advance above the $4.25.

Since the agreement was reached the price of tinplates has advanced 50c. per box, and this has added another 2 per cent. to the 15 per cent. advance which the workers have already been accorded.

IRON CASTINGS IN THE U.S.

A meeting of the jobbing founders of Philadelphia and vicinity was held in that city the other day, when a resolution was carried declaring that as the price of pig iron, scrap iron and other raw materials has risen so much in the last year, the price of iron castings should be raised ½ to 1c. per lb.

In answer to letters sent out by The Iron Trade Review replies were received from many of the large foundrymen in New York, Pennsylvania, Ohio, Michigan and New Jersey.

With the exception of a firm in Rochester, all those answering report advances of from ½ to 1¼c. for steel castings, and from ¼ to ½c. in iron castings. The majority of them also report that they are refusing to make long contracts, as further advances in pig iron will necessitate further advances in castings.

ADVANCE IN MATCHES.

An advance of 20c. per case on "Telegraph," and of 25c. per case on "Telephone" and "Tiger" matches is announced by The E. B. Eddy Co., Limited. The new prices are as follows :

	Per case.
"Telegraph."	
5-case lots and up	$3 20
Under 5 cases	3 40
"Telephone."	
5-case lots and up	3 05
Under 5 cases	3 25
"Tiger."	
5-case lots and up	2 90
Under 5 cases	3 10
"Telephone" (in ⅛ gross boxes)	
5-case lots and up	3 25
Under 5 cases	4 45

The cause of the advance is the sharp appreciation in the cost of raw material, which is not only likely to be maintained, but to increase. Consequently, matches are firm at the advance.

NETTING AND WOVEN WIRE DEARER.

Poultry netting and woven wire fencing have been advanced.

The best discount at which poultry netting can be bought at now is 40 per cent. off the list, while, for fencing, retailers will have to pay 7½c. per rod.

In announcing the advance, the manufacturers state that they are compelled to quote higher figures on account of the stocks of wire which they bought last year becoming exhausted.

The figures now quoted cannot be guaranteed, and only apply to orders of moderate size. Orders for large quantities will only be quoted to specifications on application, the unsettled state of the wire market preventing the manufacturers from making firm quotations.

SOIL PIPE COMBINE.

THE consolidation of soil pipe manufacturing plants, controlling 95 per cent. of the trade of the United States, has been completed. The new company will be known as The Central Foundry Co. Its securities will include an issue of $4,000,000 6 per cent. 20-year debenture bonds, redeemable after two years at 105 ; $7,000,000 7 per cent. cumulative preferred stock, and $7,000,000 common stock. Practically all the issues have been taken up by the firms interested.

The following firms are included in the new company : Ronalds & Johnson Co., Monitor Iron Works, Cassidy & Adler, J. L. Mott Iron Works, New York City ; H. McShane Manufacturing Co., J. Regester & Sons, Bartlett, Hayward & Co., and The Jones Hollowware Company, of Baltimore ; C. A. Blessing, Philadelphia ; Phoenix Foundry and Manufacturing Co., Lansdale, Pa.; Midvale Foundry Co., Allentown, Pa.; Wilmington Foundry Co., Wilmington., Del.; Bignall Manufacturing Co., Beach & Co., and The A. L. Sweet Iron Works, Medina, N. Y. ; Ahrens & Ott Manufacturing Co., Louisville, Ky. ; Illinois Malleable Iron and Steel Co., Chicago ; A. Y. McDonald & Morrison Co., Dubuque, Ia.; Rundle & Spence Manufacturing Co., Milwaukee, Wis.; S. L. Bignall Hardware Co., St. Charles, Ill.; Flush Tank Co., Aurora, Ill.; Kingsley Iron Co., Hammond, Ind.; Humphreys Manufacturing Co., Mansfield, O.; Bell Manufacturing Co., Vincennes, Ind.; Alabama Pipe Works, Bessemer, Ala.; Hoffman, Billings & Weller Manufacturing Co., Gadsden, Ala.; E. L. Tyler & Co., Anniston, Ala.; R. Esterbrook & Son, Boston, Mass.; North Dighton Furnace Co., Taunton, Mass.; C. M. Hart, Salem, N.J.; Foran & Abendroth Manufacturing Co., Flemington, N.J.; Shuster Foundry Co., South Pittsburg, Tenn.; Wilmington Pipe and Foundry Co., Wilmington, Del.

IT PAYS TO READ THE "ADS."

No part of a trade paper should be more closely read than the advertisements.

Every advertisement in display type is an article specially designed by one who has goods to sell for one who wants to buy.

The goods advertised may not always be what is wanted, or right in price, but this is an exception.

As a rule, he who advertises names in his advertisements lines that he deems will be most attractive in regard to price, pattern or character.

It pays to read the advertisements.

ADVANCE IN BLACK IRON PIPE.

Jobbers in Toronto have this week again advanced their prices on black iron pipe. HARDWARE AND METAL has, for the past two weeks, been expecting this advance, for the figures ruling have been lower than the market warranted.

The prices ruling, compared with those previously ruling, are as follows :

¼ to ⅛-inch	$ 3.35	$ 3.25
½-inch	3.40	3.35
¾ "	4.00	3.80
1 "	5.50	5.25
1¼ "	7.35	7.00
1½ "	9 25	8.75
2½ "	12.50	12.00

The price of pipe in the United States is firm and unchanged, but The National Tube Co. is gradually getting possession of the various mills throughout the country.

DEVELOPING THE EXPORT TRADE.

AT the recent convention of the National Association of Stove Manufacturers of the United States, a paper was read by W. J. Myers, entitled "Export Trade : How Can It Be Developed ?"

In starting the paper, the opening up of new colonies by the United States as a result of the war was commented on as being bound to result in large development in the export trade. The opening of the Philippines, said Mr. Myers, should also result in better trade relations with, and better exports to, the populous empires of the far East.

In other sections of the world the difficulties are many and hard to surmount. The lack of American banks gives to England an advantage in the matter of exchange, and also some part in the profit of the trade in some markets, the lack of subsidized steamship companies effecting lower freight rates ; the prejudice hard to overcome of the people living long under another Government ; the ignorance of some peoples ; their idle habits ; their lack of appreciation of art in stoves ; the nature of the climates ; the lack of intelligent representation of our goods ; the avarice of some commission merchants ; the cupidity of some Governments or representatives thereof ; oppressive Customs duties or Customs regulations ; the frailty of stoves to stand long voyages by sea or land ; the inability of foreigners to make plain their wants to supply broken parts ; the unbending attitude of carrying companies and their refusal to share any of the burdens of damage in transportation, and the great variety of patterns required to suit all the varying demands or likes of the numerous sections of the world beyond our shores.

It is especially difficult to cultivate trade in stoves in the warm climates, for, while people in such climates make, accept and use in increasing numbers, locomotives, railway cars, sewing machines, engines, pumps, typewriters, bicycles, firearms, agricultural implements, etc., they content themselves with an open fireplace, the brick oven or the aboriginal tripod in preference to the modern cooking stove.

The result is that the exports of stoves from the United States form about 32-100,000 of the whole of the export trade, which was about $1,200,000,000, or, in percentage, only 37-1,000 of 1 per cent. of the total exports from that country—namely, in the fiscal year ending June 30, 1898, $383,000, and, which strikes one as odd, just $1,000 more than the total exports of stove blacking.

Many schemes, such as sending catalogues or else promoters by one or a number of firms, have been tried, but the question is raised whether the results have paid for the expenditure necessary to obtain them.

The firm Mr. Myers represented enjoys some export trade, but what it cost them, he declared it would be impossible to tell. The trade they have is the result of money expended in circularizing and sending catalogues during 30 or 40 of the 65 years they have been in business.

At present the United States exports $128,000 worth of stoves to Great Britain, $36,500 to Africa, $17,000 to Asia, $34,000 to the Pacific Islands, a total of $215,000 to the Eastern Hemisphere. It also sends $92,000 to Canada, $11,500 to the West India Islands, $20,000 to Mexico, and $44,000 to Central and South America, a total of $167,500 for the Western Hemisphere, exclusive of the United States.

The export business can be further developed, Mr. Myers argued, by the association preparing a list of questions to send to all United States consuls asking what class of stove is used in the country they are in, whether stoves are imported from other countries, whether they are made there or not, and other such questions.

Replies to these questions should be sent by the association to all its members, who would thus be in a position to intelligently advertise their goods in the several countries represented by consuls.

THE STORY OF SMOKELESS POWDER.

IN the July number of Cassier's Magazine Mr. Hudson Maxim has a very interesting account of smokeless powder. Considering the part it plays in modern life, and its vital connection with industries in iron and steel, a condensed statement of the principal points may not be out of place in our columns.

In 1832, Braconnet, Nancy, France, found that starch and similar substances were rendered highly combustible by treatment with nitric acid. Pelouze, in 1838, pointed out that cotton paper and other vegetable substances, on treatment with nitric acid, also yielded highly combustible bodies, and Dumas, a little later, produced what he termed nitramide, made by acting upon cardboard, etc., with nitric acid. But it was not until 1846 that these hints were worked out practically by Schoenbein in true gun cotton. He was

THE FIRST TO USE A MIXTURE

of sulphuric and nitric acids, partly for the purpose of using a more concentrated bath and partly to absorb the water set free in the nitration of the cellulose. But here again is found a striking illustration of the fact that two independent investigators may come upon the same discovery about the same time, for it was in 1846 also that Boettger came upon practically the same results as Schoenbein, and they united forces for the exploitation of the new explosive. In 1847, Sobrero used glycerine instead of cotton, starch, etc., and confirmed the use of it in Pelouze's laboratory. Collodion cotton in etheread and alcoholic solution was introduced by Dr. Maynard, Boston, into surgery about this time. Between 1846 and 1852 Von Lenk improved the method of Shoenbein and Boettger, and the Austrian Government built a gun cotton factory in 1853 under Von Lenk's charge. Here again there was almost simultaneous discovery of important fact by independent observers, for, while Von Lenk was experimenting in Austria, Mr. Abel, now Sir Frederick Abel, in England, was working in the same direction, and it is to him that we are chiefly indebted for the modern high explosive.

Mr. Abel secured a United States patent in 1866 for a method of making solid masses of a mixture, in a fibrous pulped state, of soluble and insoluble gun cottons, by dissolving it in soluble gun cotton. Grains of sufficient density and hardness could be made in this way, and Mr. Maxim says that this method could be used to-day for

MAKING GOOD SMOKELESS POWDER.

The next most important step was taken by Alfred Nobel in 1875, when he proposed to gelatinize nitro-glycerine with pyroxylin, with or without other solvents or the use of heat. Mention must also be made of the semi-smokeless powder of Col. Schultz, of Austria, who, in 1860, used a form of nitrated cellulose impregnated with nitrate of potash or nitrate of barium ; of Dittmar, 1860, who made about the same thing, and of Prentice & Sons, 1866, who made a sporting powder from a pulped mixture of gun cotton and unnitrated cotton, and who, later, made a granular smokeless powder of pellets of compressed gun cotton, waterproofed by india rubber varnish. The work of Alexander Parkes, Birmingham ; of Daniel Spill, London ; of J. A. MacLellan and John W. Hyatt, in the United States, and of Dr. Robert C. Schuepphaus must also be mentioned, especially that of Daniel Spill, who, in 1869,

DISCOVERED THAT A COMPOUND

could be made from soluble pyroxylin and camphor, that was plastic at 75 deg. C., and that camphor was a solvent for certain varieties of gun cotton. Spill was the father of the celluloid industry.

Mr. Hudson Maxim himself has done a great deal of work on smokeless powders, being the first to introduce them to the United States Government and the first to make smokeless powder in America. He associated Dr. Schuepphaus with himself, and the Maxim-Schuepphaus smokeless powder has been adopted by this Government and is the service powder in both the navy and the army. It is manufactured by Messrs. E. I. Dupont de Nemours & Co., Wilmington, Delaware, who purchased the United States patents. The Maxim-Schuepphaus powder is multiperforated so as to make it progressive in its combustion and increase the burning surface just before its complete consumption. It is made of tri-nitro-cellulose, with a small admixture of gelatine pyroxylin, which serves the purpose of preventing shrinking, warping and cracking. The process was patented in 1894. Mr. Maxim's article is illustrated with some very striking photographs showing him lighting his cigar with burning cordite, burning a stick of dynamite and other high explosives, and igniting smokeless cannon powder under water.

A FOUR-STOREY ADDITION.

The Sherwin-Williams Co. will shortly begin work on a large four-storey addition to their Cleveland plant. It will be used to relieve the overcrowded condition of other buildings and to accommodate the increasing demands made on the factory by a steadily growing business. The new building will be of brick, iron and steel construction, and contain many novel improvements.

RECORD IRON PRODUCTION.

THE IRON AGE, in its monthly summary of the pig iron production, says : One by one the new and old furnaces which have been getting ready are falling into line as producers, but there is still a considerable number struggling to resume. This month has already witnessed the starting of some and others are nearly ready. As an offset some furnaces, long active, are forced out for repairs, and temporarily, at least, an important group in the Shenango Valley is idle on account of labor troubles. Generally speaking, the summer is having its usual effect in reducing the tonnage produced.

The stocks show a further sharp decline —an ample proof that output is not yet up to consumption.

The weekly capacity of the furnaces in blast on July 1 compares as follows with that of preceding periods :

	Furnaces in Blast.	Capacity Per Week. Gross tons.
July 1, 1899	237	263,363
June 1	220	254,062
May 1	217	250,095
April 1	205	245,746
March 1,	192	228,195
February 1	195	237,639
January 1	200	243,516
December 1, 1898.	195	235,528
November 1	196	228,935
October 1	192	215,635
September 1	186	213,143
August 1	187	206,777
July 1	185	216,311
June 1	190	225,398
May 1	194	234,163
April 1,	194	233,339
March 1	193	234,430
February 1,	184	228,338
January 1	188	226 608
December 1, 1897.	191	226,024
November 1	183	213,159
October 1	171	200,128
September 1	161	185,506
August 1	152	165,378
July 1	145	164,064
June 1	146	168,380
May 1	146	170,528
April 1	153	173,279
March 1	156	169,986

The position of furnace stocks, sold and unsold, as reported to us, was as follows on July 1, the same furnaces being represented as in former months. This does not include the holdings of the steel works producing their own iron :

Stocks—	Feb. 1.	May 1.	June 1.	July 1.
Anthracite & coke	365,311	205,125	167,587	144,788
Charcoal	97,593	79,002	65,648	51,547
Totals	462,904	284,127	233,235	169,335

WIRE NAILS
TACKS
WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

TOUSSAINT CREVIER, founder, etc., Montreal, has assigned, and a meeting of his creditors has been called for July 28.

U. F. Drouin, hardware dealer, Quebec, has assigned.

Chas. Simpkins, general merchant, Bothwell, Ont., has assigned.

J. G. Stevens, general merchant, Toledo, Ont., has assigned to J. H. S. Mackay, Westport, Ont.

PARTNERSHIPS FORMED AND DISSOLVED.

Sarrassin & Desjardins, plasterers, Montreal, have dissolved.

Dockrill & Sayer, founders, etc., Montreal, have dissolved.

Fish & McNeil, general merchants, Ayer's Flats, Que., have dissolved.

Alex. Barrie & Co., manufacturers of insulated wire, Montreal, have dissolved.

Leonard Frank, general merchant, Alberni, B.C., has admitted Bernard Frank under the style of Frank Bros.

Wadsworth & McWhinnie, roofers, etc., Ottawa, have dissolved, and Wadsworth & Sheppard have started in business.

James Campbell and Wm. H. Kerr have registered partnership as blacksmiths under the style of Campbell & Kerr, Eaton, Ont.

Gould & Stratford, plasterers, London, Ont., have dissolved. Henry & Galipeau, manufacturers of threshing machines, Huntingdon, Que., have dissolved.

John Millen & Son, hardware and paint dealers, Montreal, have dissolved, and John E. Millen and Edwin D. Millen have registered partnership under the style of John Millen & Son.

SALES MADE AND PENDING.

The assets of Geo. S. Johnston & Co., general merchants, Ottawa, have been sold.

A. M. Doering, general merchant, Waterloo, Ont., is advertising his business for sale.

CHANGES.

W. George McLean, blacksmith, Harvey, Ont., is offering his business for sale.

P. L. Grassie, general merchant, Olds, N.W.T., has sold out to Code & Struthers.

Arthur Guilbert, general merchant, Bruxeles, Man., has removed to Letellier, Man.

F. M. Lavoie has ceased doing business under the style of The Pallascio Hardware Co., Montreal.

Hermiston & Nichols have succeeded W. H. Wiles as stove and tinware dealers in Walkerton, Ont.

A. Laycock, general merchant, Fox Warren, Man., has been succeeded by McCrindle & Co.

J. R. Jacobs & Co. are applying for incorporation as general merchants, in Greenwood, B.C.

HOW YOU RISE

is a matter of supreme importance, for on **HOW** you rise depends the height you reach and the length of time you stay up.

Attempt to rise by selling cheap paints—paints low in price and of necessity correpondingly low in quality—and you won't get up very high, neither will you stay very long even at that low level. But put an equal amount of energy into the sale of good paint—the best paint—and you can rise to any height you choose and stay up as long as you want to.

Agents for

THE SHERWIN-WILLIAMS PAINTS

get up high and keep going higher. They steadily increase the volume of their business. We give them the best paint to sell and the best methods for pushing it. S.W.P. and its advertising are success-makers. They provide the best means of rising that a merchant can have.

Write us if you are interested.

THE SHERWIN-WILLIAMS CO.

PAINT AND VARNISH MAKERS.

Canadian Division: 21 St. Antoine St., Montreal.

CLEVELAND.
CHICAGO.
NEW YORK.
MONTREAL.
BOSTON.
TORONTO.

FIRES.

E. Barbeau, roofer, Quebec, has been burned out.

DEATHS.

D. G. Welsh, blacksmith, Malton, Ont., is dead.

FROM ITALY TO B.C.

What is known to be the first direct shipment of merchandise in any quantity from Italy to the British Columbia market has been received by Morris & Aitkin, wholesale commission merchants of this city. The shipment which was several tons, was comprised of boracic acid, brimstone, citron peel, olive oil and Italian castile soap. As the goods were shipped direct from Livorno (Leghorn), which is the principal mercantile centre of the department of Lucca, the importation of oil bears that well-known name which is standard of excellence in olive oils. The merchandise came via Gibraltar and Liverpool.

This shipment, which is intended to be but the initial order of a continuous trade, is noteworthy as it marks an era in the development of trade in this Province. When our merchants are dealing direct with the source of supplies it shows enterprise and a disposition to do the best possible for the home trade, which deserves encouragement, as it cannot fail to establish Vancouver as a trade centre, a position she is rapidly attaining.-The Province, Vancouver, July 13.

EMPLOYES SHARE THE PROFITS.

The present era of prosperity has been manifested to the employes of The Ham & Nott Manufacturing Co., Limited, manufacturers of refrigerators, etc., Brantford, Ont., in a way eminently satisfactory to them.

This company has just closed a successful year. One day this week the forty or more employes of the firm were notified that it had been decided to share the profits of the past year with the men as follows: Those employed a year or more, married men, $25; single men, $15; boys $5. Those employed less than a year, married men, $5; single men, $3; boys $2.

To show their appreciation of this kindness the employes of the firm presented J. T. Ham, the president of the company, who was about to visit Muskoka, with a gun, accompanied by an address expressing their best wishes that he might enjoy his trip.

The Ham & Nott Co. now occupy a building 140 x 60 feet, but intend to double their capacity by the erection of two more buildings in the near future.

CANADIAN - BRITISH TRADE PROSPECTS.

MR. J. M. McKIM, of London, England, manager of the branch office of HARDWARE AND METAL in Great Britain, is visiting his relatives and friends in Canada. Mr. McKim was for some years a member of the business staff of the Toronto office, and was promoted to the management of the British branch nearly two years ago. His father was the late Robert McKim, who, as a member of the famous Light Brigade, saw service in the Crimean War, and fought in the engagements of Alma, Balaclava, Inkerman and Sebastopol.

"What are the prospects," I asked Mr. McKim, "from what you can gather in your conversation with British manufacturers and merchants for the expansion of trade between Great Britain and Canada?"

"Prospects are certainly improving. But, you know, there are a great many business men in London who do not seem concerned at all about trade outside the British Islands. I am sure, however, that there is a better feeling in regard to trade with Canada. As you know yourself, from your own observation, there are a great many more British manufacturers and merchants, or their representatives, than there used to be coming to Canada looking for business."

"Do you hear many complaints in regard to the absense of a national insolvency law in Canada?"

"I do. Some business men have told me that not until Canada has set her house in order in this particular will they make any effort to do business with her. They cannot, they tell me, understand why a nation should extend preferential tariff treatment to Great Britain, as Canada has done, and then, by refusing to enact an insolvency law, nullify to a great extent the advantages which the tariff accords. Some, on the other hand, pretend that the preferential tariff does not give British goods a preference. I was very sorry," concluded Mr. McKim, "to see the Insolvency Bill side-tracked again. I believe that a national insolvency law would do as much, if not more, for Canada in Great Britain than even the preferential tariff."

HARDWARE AND METAL is now well known in Great Britain, and the London, England, office at 109 Fleet street, E.C., is frequently visited by British manufacturers and merchants seeking information about Canada.

A FINE VIEW OF ST. JOHN, N.B.

Emerson & Fish, manufacturers, importers and wholesale dealers in hardware, tinware, etc., St. John, N.B., have always taken a foremost part in the movement towards making St. John one of Canada's winter ports and a centre of tourist travel in the summer time. The latest evidence of their enterprising interest in their city is a hanger containing a beautifully-printed half-tone engraving of the city and port of St. John. The engraving is nearly two feet wide and six inches deep. In the background is the city, its many fine buildings near the water-front showing to excellent advantage. In the foreground, a dozen large ocean steamers are shown in the fine harbor, which is the pride of the citizens of St. John. The picture is a good one, fully worthy of the subject it deals with.

IVER JOHNSON

Good Bicycles

Good Firearms

Honest Goods at Honest Prices.

SEND FOR CATALOGUES.

Iver Johnson's Arms & Cycle Works

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BRANCHES—
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BOSTON—408 Washington St.
WORCESTER—304 Main St.

Gilbertson's Galvanized Sheets

PATENT **COMET** BRAND FLATTENED

are suitable for all kinds of Galvanized work demanding uniform quality; being made of superior Siemens Steel, they will **double seam** either way of grain, are smooth, soft, and well galvanized, every sheet being carefully selected; weight and count of sheets per case **fully equal** to the best known brands imported, and **cost less.**

GILBERTSONS are the only galvanizers who not only **roll all their Steel Sheets,** but manufacture **all their own Steel in their own Steel Works,** thus enabling them to put a soft and regular quality of steel into their sheets, which is impossible for galvanizers who buy their steel **in the open market.**

GILBERTSON'S CORRUGATED GALVANIZED SHEETS—all sizes.
FLAT GALVANIZED SHEETS (not fluxed) **for corrugating purposes.**

"GILBERTSON'S" SIEMENS-MARTIN TINPLATES

are soft, extra well coated, noted for deep stamping qualities, and for canners of fruits, meats, and fish have no equals. **Cost** no more than brands not nearly as well coated, or of equal quality.

BRANDS: "Gilbertson's," "Parsons," "Pontardawe," "Lincoln," "Comet," "Regina," "Gwyned."

GILBERTSON'S TERNEPLATES, "Regina" brand.
IMITATION RUSSIA SHEETS—will not crack or scale. Pickled, cold rolled and close annealed.
SIEMENS-MARTIN STEEL SHEETS, close annealed, close annealed and cold rolled (flat and free from buckles), also pickled.
BLACK CEILING PLATES, "Comet" brand. Pickled, cold rolled and close annealed.
BLACK TAGGER PLATES. Pickled and close annealed.

Supplies carried by all wholesale jobbers. In ordering please mention brands.

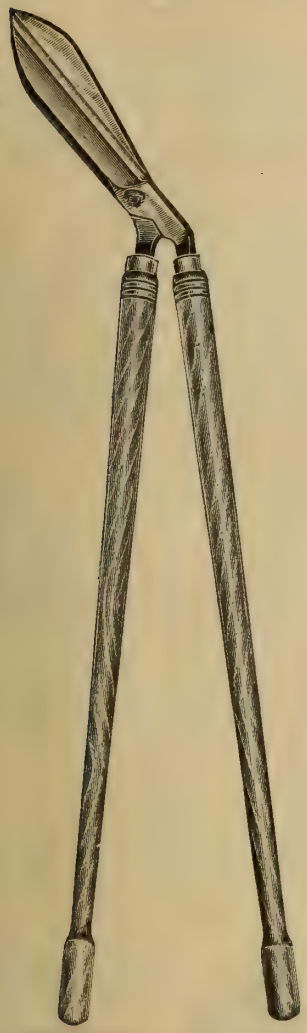
ALEXANDER GIBB

Agent—— 22 St. John Street, MONTREAL.

H. S. HOWLAND, SONS & CO.

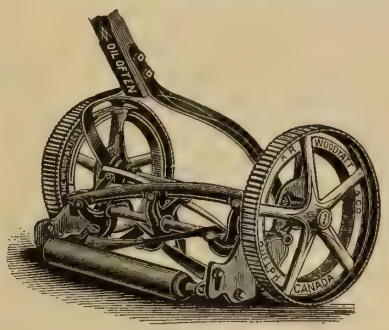
37-39 Front St. West, ...Toronto

Only Wholesale



BORDER SHEARS

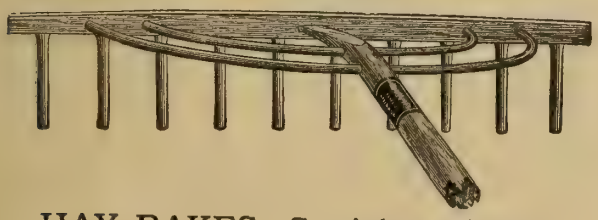
LAWN MOWERS



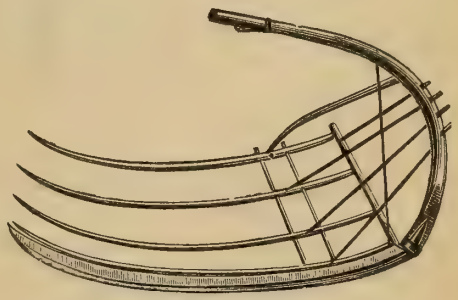
WOODYATT, HIGH WHEEL—sizes, 14, 16, 18 and 20-inch.



LAWN SHEARS

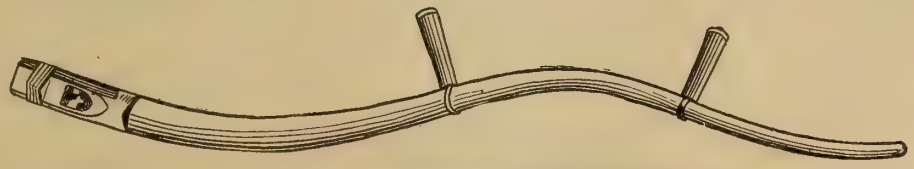


HAY RAKES—Straight and Bent



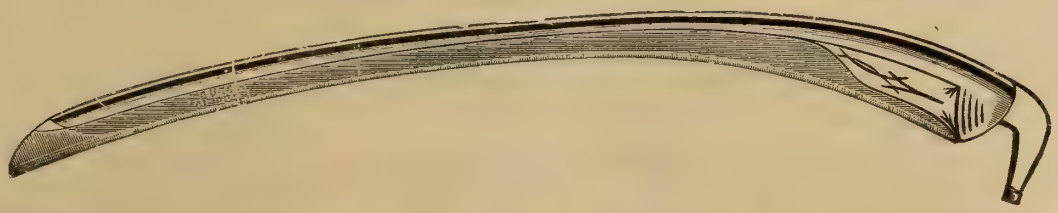
CRADLES

SNATHS



SNATHS

SCYTHES



SCYTHES

H. S. HOWLAND, SONS & CO., TORONTO.

Only Wholesale. Graham Wire and Cut Nails are the Best. **We Ship Promptly.**

TRADE CHAT.

FRANCOIS LANNOY, a representative of Belgian capitalists, has been visiting Chatham and Goderich, Ont., in the interests of a glass factory.

The Croft Acetylene Gas Co., Limited, Toronto, has been incorporated.

The Eastern Townships Electric Co., of North Hatley, Que., has been incorporated.

The Caster and Metal Stamping Co., of Woodstock, Ont., Limited, has received its charter.

The McLachlan Electric and Gasoline Motor Co., Limited, of Toronto, has been incorporated.

W. H. Sills, a Chicago mica manufacturer, has bought a mica mine in the Gatineau district for $15,000.

The Aikenhead Hardware Co., Toronto, have the contract for hardware for the Kingston penitentiary. R. Crawford, of Kingston, will supply the coal.

The Diamond Machine and Screw Co., of Toronts, Limited, has been incorporated with a capital of $75,000. The following are the provisional directors : R. N. Sterling, F. S. Jackson, J. W. Bull and R. F. Massie. The company acquires the business of The Diamond Machine and Tool Co.

A carload of machinery arrived in Barrie, Ont., last week for the peat works there. The boiler and engine have been set up in Butterfield's old foundry, and the rest of the machinery will be placed in position at once. It is expected manufacturing operations will commence about August 1.

An early-closing by-law has just come into effect in Prescott, Ont., compelling the dry goods, boots and shoes, millinery, tinsmith, tailor shops, etc., to close at 6 o'clock and the grocery stores at 7. The clerks of the town have formed a Clerks' Protective Association to see that the by-law is enforced.

HAMILTON STOVE FOUNDRY BURNED.

The large stove foundry and scale and malleable iron works of The Burrows, Stewart & Milne Co., Hamilton, were partly destroyed by fire on Friday evening of last week. The damage is estimated at between $40,000 and $50,000. The insurance on stock and plant is $95,000. Over 250 hands are thrown out of work, and an immense stock of stoves and furnaces for fall trade have been destroyed.

This is the third large fire this company has had in 20 years.

MACHINERY AT WINNIPEG FAIR.

Never in the whole history of exhibitions in Winnipeg has there been such a display of farm implements, threshing engines, carriages and wagons. The machinery hall has been twice enlarged, but it was not adequate to the number of articles to be shown and all the threshers and stationary engines were exhibited in tents. The display of traction engines was wonderful. All the large implement houses were represented and all the machinery was in motion. The Massey-Harris Co. had a model farm, with the figures and animals moving by electricity. This proved one of the most popular corners of the fair.

HANDY HARDWARE ADJUNCTS.

Thomas Houlding, of Rapid City, Man., has the best nail cabinet of any I have ever seen. It is about three feet from the floor and 16 feet long ; 12 inches wide. This is divided into stalls for the various kinds and sizes of nails. The bottom has a slope of about five deg. so that the nails will fall to the front, and can be got out in short order. This is much cleaner than getting down under the counter or the nail keg. Then there is no danger of mixing or waste.

Another thing is noticed in Mr. Houlding's store is the way he has of displaying his cutlery. He has a frame made of quarter-round moulding with a net wire back, covered in front with green cloth. Knives and forks of all descriptions are fastened to this by means of narrow elastic bands, drawn through the cloth and wire. In selling goods of this kind it is much handier than having to open boxes for each description. The price and number being on each article, it is no trouble to find the rest of the same kind.

THE UPWARD TREND OF PRICES.

Bradstreet's index figures show the low water mark in prices to have been 56.803, October 1, 1896. On July 1, 1897, they were 66.937, but between these dates they had been over 68 ; they reached 76.556 on August 1, 1898, 77.819 on January 1, 1899 and 80.818 on July 1. This is almost exactly the same as on July 1, 1892, 80.629; but on July 1, 1891, the figures were, 91.633, and on October 1, 1890, 105.996. The most rapid part or the fall, however, occurred in the next two months ; the figures for January 1, 1891, were 94.236. During June 36 articles on the list of Bradstreet's advanced, 14 declined and 55 remained unchanged. In 12 months 63 advanced, 26 declined and 14 remained without change.

CANADA PAINT CO.'S PICNIC.

The seventh annual picnic and games of The Canada Paint Co., Limited, is being held to-day (Saturday) at Otterburn Park, St. Hilaire. Judging from the games and dance programmes an enjoyable time will be spent.

SULPHITE FIBRE WANTED.

A heavy demand is being experienced for sulphite fibre, and those who have any to sell will likely find buyers by addressing The E. B. Eddy Co., Limited, Hull, Que.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY, MONTREAL.



COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps, Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS
BALL BEARINGS
Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA



COATES' CLIPPERS
HAND AND POWER, easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel, and will not heat. 1899 catalogue ready.
Coates Clipper Mfg. Co.
WORCESTER, MASS



Pullman Sash Balance Co.
Makers of the
"Pullman" Hardware Specialties
Main Office and Works,
Rochester, N.Y., U.S.A.

Size, ⅜-inch.



Cheapest IN THE WORLD.
J. M. LITCHFIELD
458 Quincy St.,
Brooklyn, N.Y.

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General Patent Agents in procuring Home and Foreign Patents and all matters pertaining to Patents and Patent Causes, also the buying and selling of Patents, and the Organizing and promoting of Joint Stock Companies. List of 500 inventions wanted and list of Canadian Patented inventions for sale, mailed to any address free, address

The Toronto Patent Agency
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THE PATENT FRONT DRAW-OUT GRATE

OF THE NEW

IMPERIAL OXFORD

is one of the special features that give it precedence over all other Ranges.

This arrangement is of special advantage, as nothing—not even the warping of the frame—can interfere with its easy working. The

DIFFUSIVE FLUE CONSTRUCTION
DRAW-OUT OVEN RACK and
OVEN THERMOMETER

are other improvements that have made the Imperial Oxford popular—the success of the season.

If you're not handling them write for price list—they're wonderful sellers.



The Gurney Foundry Co., Limited, Toronto

The Gurney-Massey Co., Limited, Montreal.
Winnipeg Agents: 155 and 157 Lombard St. Vancouver Agent: C. A. Godson, 151 Hastings St.

Steel Hoops

LARGE STOCKS, IN ALL STANDARD SIZES AND GUAGES.

Prices quoted on application, either from stock or for importation.

M. & L. Samuel, Benjamin & Co.

ENGLISH HOUSE:
Samuel, Sons & Benjamin
64 Fenchurch Street, London, E.C.

26 to 30 Front St. West TORONTO.

TRADE IN OTHER COUNTRIES THAN OUR OWN.

A PRESS despatch from Reading, Pa., under date of July 16, says: "For the first time since the present boom began pig iron reached $20 a ton in the Schuylkill Valley yesterday. During the past few days the price was $19.50, and to-day $20 was offered, but the supply is so limited that few orders can be filled for immediate delivery."

ADVANCE IN TURPENTINE.

A fair demand has recently developed for spirits turpentine, and the local supplies have been exhausted, causing a sharp advance in prices. Business was done yesterday at 45c. a gallon for spirits in machine-made barrels, which, compared with 40c., the price current on Wednesday last, shows a gain of 5c. a gallon. The upward movement was stimulated by the lack of offerings for shipment from Savannah. Factors there, however, are making deliveries on their July contracts and therefore have little surplus to offer on the market. The receipts at the primary markets have rather light of late compared with last season, and predictions are freely made that the current crop will be from 12 to 15 per cent. short. The local situation, however, will, it is expected, be relieved in a day or two, as two steamers from Savannah and Wilmington are due here with 1,200 to 1,300 barrels of spirits turpentine on board.—New York Journal of Commerce, July 13.

ADVANCE IN U.S. TINPLATES.

The American Tinplate Co. advanced prices 50c. per box and now quote the basis of $4.37½ f.o.b. mill for 100 lb., 14 x 20 cokes, and 10c. extra for squares, shipments the balance of the year. The price for delivery at New York was $4.57 less 1 per cent. Ternes were put on the basis of $4.42½ at mill for ordinary 100 lb. An advance was not unexpected, but the one made was double what had been looked for and caused a sharp revision in dealers' quotations. There was, however, no perceptible increase in business or in the demand and deliveries by the company are still more or less backward. Foreign plates have undergone a further advance abroad, and import cost here is now so high that American plates may be raised another 50c. without inviting serious immediate competition from abroad.—N.Y. Journal of Commerce.

NEW YORK METAL MARKET.

COPPER—The market was without new feature. All varieties of the metal were held firmly at prices that have prevailed for about ten days past, and without sign of being affected in the least by any of the statistical exhibits that have occupied news space of late. The mining companies' representatives make no claim of booking large orders recently, but they do reaffirm previous reports of being sold considerably ahead on their production and very busy with new deliveries. In other quarters no facts appear that cast any shadow of doubt around those statements. To the contrary indications were not wanting of considerable quiet looking around for copper at prices slightly under the market and of extremely slender results from the same. Sellers stand firmly, to all accounts, at 18½c. for Lake Superior ingot, 17½ to 17¾c. for electrolytic bars, etc., and 17¼ to 17c½. for casting stock. As a rule, sellers ask the outside figures quoted for the last two-named varieties.

PIG TIN—London opened at about 17s. 6d. advance on Tuesday's prices. From that point there was a slight reaction only, without, however, any signs of change in the position. Here values remained very uncertain, with open quotations and actual trading basis as much as ½c. apart at intervals. Operations are still being conducted very cautiously, since there is no purely local speculative movement and seemingly general aversion to buying, except as imperative wants necessitate. As a rule, sellers kept their asking figures nearly in line with London quotations in the afternoon at about the basis of 29 to 29⅛c. for five-ton lots and ⅛ to ¼c. more for single tons. Bids over 28⅝ to 28¾c. for round lots were the exception.

PIG LEAD—There was little, if any, change from the somewhat peculiar conditions that have characterized the market for some little time past. Large consumers could buy at relatively lower prices here than at any other point, or at about 4.55c., although 4.60 to 4.65c. was quoted on small lots, and generally to other buyers. The last-named figures were quoted also for round lots, delivered at Philadelphia or Boston, although St. Louis quotations were as high as 4.57½ to 4.60c. f.o.b. there. Business in this market was only fair and not as extensive as might be expected in view of prevailing condition.

SPELTER—Dealings are running light in this quarter, and inquiries are chiefly for single carloads or smaller quantities. The market remains firm, however, as supplies here continue light and the cost comparatively high in primary markets. About 6¼c. for spot stock and 6c. for near arrivals and 6c. were quoted.

TINPLATE—There was more business and a decidedly strong tone to the market. Makers seem unable to fill orders requiring guaranteed delivery this month or next, and dealers are securing 10 to 15c. advance on list prices for what they may have to spare. Orders are being placed for delivery the last quarter of the year at The American Tinplate Co.'s prices to very good amount.

IRON AND STEEL—There is no sign of reaction in the pig iron market. Orders are not very numerous this quarter at present, nor do inquiries extend to really large quantities, but the new business and the deliveries on old contracts combine to keep stocks down to a point that enables furnacemen to hold prices very firmly. In some quarters about 25 to 50c. over current quotations is asked.

Everything in the line of old material is very firmly held, and it is no exception that 50 to 75c. advance on the prices at which sales were made last week is firmly insisted upon by holders.

In all manufactured goods departments the position continues strong, and considerable business is held in abeyance by inability of manufacturers to guarantee the deliveries asked. High prices, however, have a restraining influence in some directions.—N.Y. Journal of Commerce, July 21.

PERSONAL MENTION.

Mr. A. C. Leslie, of A. C. Leslie & Co., Montreal, was in Toronto on Friday.

Mr. Walter H. Cottingham, Cleveland, general manager of The Sherwin-Williams Paint Co., sails on the ss. Umbria to-day for a business trip to England. He will make his stay there as short as possible, and expects to be back about five weeks after sailing.

Mr. A. T. Chambers, who for the past few years has been representing the Thomas Davidson Manufacturing Co., Limited, in Western Ontario, has joined the traveling staff of H. S. Howland, Sons & Co., Toronto, and will represent that firm from Port Arthur west.

Mr. Chambers, prior to his experience as traveler for the Thomas Davidson Manufacturing Co., was in the retail hardware business for several years, and while traveling with tinware samples he has not forgotten to keep in touch with the hardware trade.

THE GRANGE SUPPLY CO.'S STOCK.

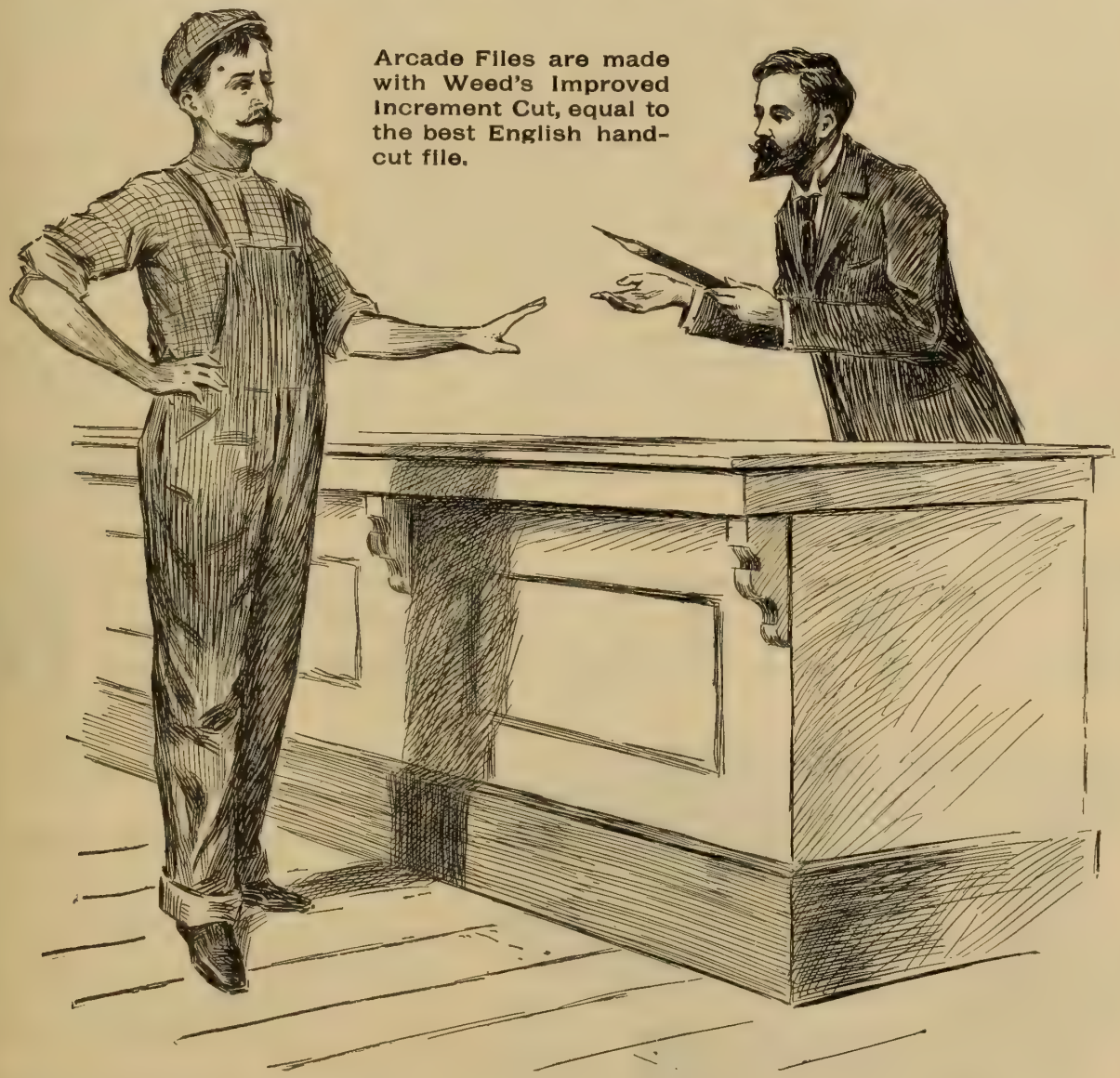
The stock of The Grange Wholesale Supply Co., 126 King street east, Toronto, was sold en bloc on Wednesday afternoon. The total value of the stock was $15,088.56. This included $4,026.07 boots and shoes; $3,305.05 groceries; $2,646.34 staple dry goods; $1,473.59 hardware, and stationery, jewelery, harness, patent medicines, etc., in smaller amounts. The purchaser was R. Y. Manning, manager of The People's Wholesale Supply Co., 144 King street east, who paid 56c. on the dollar.

The WORLD'S GREATEST FILE WORKS

ESTABLISHED 1842.

There is no other file "just as good."

THE ARCADE IS THE BEST



Arcade Files are made with Weed's Improved Increment Cut, equal to the best English hand-cut file.

"I want an ARCADE file."
"We are all out of ARCADE files. Try this; it is just as good."
"No, Sir. I want the ARCADE. It cuts faster and wears longer than any other file made."

THE ARCADE FILE WORKS

NEW YORK:
97 Chambers St.
SAMUEL W. ALLERTON,
President.

Works: ANDERSON, IND.
COURTLANDT C. CLARKE,
Sec. and Treas.

CHICAGO:
118 Lake Street.
ALFRED WEED,
Vice-President and Gen'l Mgr.

MARKETS AND MARKET NOTES.

QUEBEC MARKETS.

MONTREAL July 21, 1899.

HARDWARE.

THE firm tendency of general hardware values is quite as marked this week as last, though there are no actual changes to report, as was the case last week. Trade in wire is fair, especially for hay-baling, other sorts ruling rather quiet. Wire and cut nails display good seasonable activity, and more inquiry has been experienced for horse nails. Horseshoes are firm at the rise, and a good trade is experienced in screws, bolts and rivets. Cordage is quiet, but in green wire cloth, wringers and such seasonable lines the movement is considerable. Sporting goods, such as guns and ammunition, are also commencing to exhibit more life, while cement, firebricks and such building material are not neglected, although they cannot be called active.

BARBED WIRE—There is little doing in barbed wire, but prices are firm at $3 f.o.b. here.

SMOOTH STEEL WIRE—There is a fair inquiry for hay-baling wire, but other sorts are quiet. Values are firm at the rise—$2.70 for Nos. 6 to 9.

FINE STEEL WIRE—Demand has been moderate at the rise, and discounts are firm at 20 per cent.

GALVANIZED WIRE — A quiet trade is noted in this line of material, and prices are steady on the basis of $3 for No. 9.

BRASS AND COPPER WIRE — There is a fair trade in a small way. Discounts are 50 and 2½ per cent. on brass, and 45 and 10 per cent. on copper.

FENCE STAPLES — In fair request and steady. We quote: $3.05 for bright and $3.65 for galvanized per keg of 100 lb.

FINE STAPLES — Quiet, as last noted. Discounts are: Cooper, 55; poultry netting, 45, and electrician, broom, bed, etc., 40 per cent. off.

WIRE NAILS—Business in wire nails has been fairly active since last week's advance. We quote $2.70 base.

CUT NAILS—Demand for these continues of good proportions, and values are firm at the rise last noted, $2.25 f.o.b. Montreal, etc.

HORSE NAILS—More inquiry has been experienced for these, both for forward and prompt shipment. Discounts are 50 per cent. on standard and 50 and 20 on Acadia.

HORSESHOES—Trade has not exhibited any alteration as a consequence of last week's rise. We quote as follows: Iron shoes, light and medium pattern, No. 2 and larger $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4; X L steel shoes, new light pattern, No. 2 and larger, $3.90; No. 1 and smaller, $4.15; featherweight, all sizes, Nos. 0 to 4, $5.15; and toe weight steel shoes, all forward, all sizes $6.25 f.o.b. Montreal, St. John, N.B., and Halifax, N.S. Delivered f.o.b. in Toronto, Hamilton, London and Guelph 10c. per 100 lb. extra.

SCREWS — A good trade continues in screws. Discounts are: Flat head, bright, 82½ and 5 per cent; round head do., 75 and 5; flat head, brass, 75 and 5; round head do., 67½ and 5.

BOLTS—Demand is well maintained for bolts. Discounts are: Carriage bolts,

A NEW RANGE... "KITCHENER"



Sixty (60) sizes and styles of Ranges.

Eight (8) sizes and styles of cooks.

The most modern cheap range made in Canada.

Has ventilated oven, clinkerless duplex grates, heavy cast iron sectional linings that will not crack or crumble, and other modern ideas.

New Stove Catalogue now ready for Agents.

We supply everything for the Stove, Tin and Furnace trades.

If you want your orders filled quickly, order from McClary's.

The McClary Manufacturing Company

LONDON TORONTO MONTREAL WINNIPEG VANCOUVER



One of the commonest things you hear in selling galvanized iron is: "Ours is as good as Apollo."

Would anybody say it, if it were true?

Apollo Iron and Steel Company, Pittsburgh.

Cements { PORTLAND ROMAN KEENE'S

Bricks . . { FIRE BUILDING PAVING

Sand . . . { SILICA FIRE MOULDING BUILDING

F. HYDE & CO.

31 Wellington street, MONTREAL

English Castor Oil

GUARANTEED PURE.

Pharmaceutical, Tasteless, Cold Drawn
First Pressure
Second Pressure

In cases of 2 tins and in barrels. Stocked by all Hardware, Oil and Color men.

The Hull Oil Manufacturing Co.

LIMITED

B. & S.H. THOMPSON & CO.

Agents for Canada - MONTREAL

CANADA IRON FURNACE CO., Limited

Manufacturers of

CHARCOAL PIG IRON

MONTREAL.

BRAND "C.I.F." THREE RIVERS

PLANTS AT

Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.

Geo. E. Drummond,

Managing-Director and Treasurer

5-16 and smaller, 55 per cent.; ⅜ and up, 50 per cent.; full square bolts, 65 per cent.; machine bolts, 55 per cent.; coach screw bolts, 67½ per cent., and sleighshoe bolts, 72½ per cent.

NUTS AND WASHERS — As last noted. We quote: Square, 3¾c. and hexagon 4¼c. per lb.; discount off list. Washers in 50-lb. boxes are 50 per cent. discount.

RIVETS—There is a fairly good trade in these. Discounts now are: Black and tinned, 45 per cent.; ditto burrs, 40 per cent.; copper rivets and burrs, 35 per cent.

CORDAGE — Trade is not active, but values are held quite firm. We quote as follows: Manila, 7-16 and up, 12c.; ⅜, 12½c., and ¼ and 5-16, 13c. Sisal, 10¾c. for 7-16 and up; 11¼c. for ⅜, and 11¾c. for ¼ and 5-16. Binder twine: Pure manila, 10½c.; 550 feet, 10c.; sisal, 500 feet, 9½c.

WRINGERS—Trade is fair at a range of $48 to $60, according to brand, with a discount of 45 per cent.

BUILDING PAPER—Business in building paper is quiet and values are steady.

GREEN WIRE CLOTH—Stocks of this continue quite light, and every jobber here complains of delayed deliveries. Prices are firm.

SPADES AND SHOVELS—Discounts remain unaltered, but the market is very firm in tone.

HARVEST TOOLS—The advance in these has already been referred to, while trade is active for assortments.

SPORTING GOODS—These are now moving out well for the season of the year.

CEMENT—This line is quiet, but very firm in its tone. We quote as follows: Belgian, $1.90 to $2.10; English $2.30 to $2.40, and German, $2.45 to $2.65, per cask ex wharf.

FIREBRICKS—Demand fair and values firm at $12 to $23 per 1,000, as to brand.

METALS.

The strong disposition of all iron and metals continues marked, though there are no further quotable changes this week.

PIG IRON—Buyers who have tried to close contracts for leading brands of Scotch iron within the week found it impossible to do so. No Hamilton pig is obtainable under $22.

BAR IRON—The advance has led to more inquiry for forward shipment, and $2 is now the general asking price for ordinary jobbing quantities.

BLACK SHEETS—There is a fairly active trade in these. We quote: 8 and 16, $2.35; 18 and 20, $2.05; 22 and 24, $2.25; 26, $2.35, and 28, $2.40.

HOOP IRON—Without change, at $2.45.

STEEL — Firmly held. We quote: Sleighshoe and tire, $2.50; spring, $2.70; machinery, $3, and toe calk, $3.

TINPLATES

"Lydbrook," Best Coke,
"Allaways," Charcoal,
"Dominion Crown," Best Charcoal,

are brands that you can swear by.

A. C. LESLIE & CO.

Agents, MONTREAL.

FOX

All-Steel Sash Pulleys

THEY require no Screws—this means a saving of a gross of screws on every six dozen Pulleys.
THEY can be applied quicker than any other Pulley.
THEY are cheap, strong and durable.

NO NAILS NO SCREWS
JUST BORE FOUR HOLES

AIKENHEAD HARDWARE CO.

Toronto.

ADAM HOPE & CO.

30 JOHN STREET N.

Hamilton, Ont.

PIG TIN
PIG COPPER INGOTS
PIG LEAD
ANTIMONY
TIN, and CANADA PLATES

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

GALVANIZED IRON — Demand is fair, but, though it would entail an advance to lay down fresh supplies, prices are, as yet, unaltered. We quote: Queen's Head, $4.55 to $4.80; Comet brand, $4.30 to $4.55, according to the size of the order.

INGOT COPPER—There has been a good inquiry for this metal, and values are stiff at 19½ to 20c.

INGOT TIN — With excited markets outside, as intimated some weeks ago, the local market is firm at the rise last noted, and no orders can be filled now for less than 32c.

PIG LEAD—Trade is fair, and prices are steady at $4.25.

LEAD PIPE — Unchanged at the basis quoted last week: Ordinary, 7c., and composition waste, 7½., with 20 per cent. discount.

IRON PIPE—While local mills are asking pretty near the equivalent of jobbing prices to fill new orders, the range in the latter respect is unchanged, as jobbers are still working on stock contracted some time ago. We quote as follows: Black pipe, ⅛ and ¼-inch, $3.12; ⅜-inch, $3.09; ½-inch, $3.72; 1-inch, $5.14; 1¼-inch, $6.82; 1½-inch, $8.66, and 2-inch, $11.02. Galvanized pipe, ⅛ and ¼-inch, $5.64; ⅜-inch, $6.64; ½-inch, $7.41; 1-inch, $10.12; 1¼-inch, $14.03; 1½-inch, $17.16, and 2-inch, $23.

CANADA PLATES — The wreck of the ss. Merrimac is liable to affect supplies of this staple line, as the steamer had a large quantity on board chiefly for Western points. We quote: 52's, $2.30; 60's, $2.40; 75's, $2.50; full polished, $3.15; galvanized Canada plates, $4.25 for 52's.

TINPLATES—There was a large quantity of tinplate also on the ss. Merrimac for Montreal and Ontario points, and existing stocks are extremely light. We quote as follows: Coke, I. C., $3.75; charcoal, I. C., Allaway or Comet brands, $4; do. I. X., $4.50; Lincoln, $4; P. D. Crown, $4.50; do. I. X., $5.50; Bradley's, $6.25.

TERNE PLATE—The firm feeling in these is fully maintained, and we quote $6.75 to $7.

COIL CHAIN — Business is moderate, but values are firm. We quote as follows: No. 6, 10¾c.; No. 5, 9¾c.; No. 4, 8¾c., and No. 3, 7¾c. per lb.; ¼-inch, $6; 5-16, $4.75; ⅜, $4.25; 7-16, $4.10; ½, $4; 9-16, $3.95; ⅝, $3.85; ¾, $3.65, and ⅞, $3.55 per 100 lb.

SHEET ZINC—A fair movement is noted, and values are steady at 8 to 8¼c.

ANTIMONY — Quiet and unchanged, at 10 to 11c.

SPELTER—As reported last week at $7.

GLASS.

With deliveries very backward and stocks extremely light, prices are firm at the rise noted last week. We quote: First break, $1.90; second, $2 for 50 feet; first break, 100 feet, $3.60; second, $3.80; third, $4.25; fourth, $4.50; fifth, $5; sixth, $5.50, and seventh, $6.

PAINTS AND OILS.

There has been no radical change in any line except turpentine since last week. Locally, in this district, the weather has been unfavorable to a good consumptive movement, but, in other sections, it has been all that could be desired for outside work, and, consequently, the movement from third hands has been all that could be desired. Turpentine is 2c. higher.

WHITE LEAD—Best brands, Government standard, $6.00; No. 1, $5.62½; No. 2, $5.25; No. 3, $4.87½.

DRY WHITE LEAD—$4.75 in casks; kegs, $5.

RED LEAD—Firm; casks, $4.75; in kegs, $4.50.

WHITE ZINC PAINT—Pure, 8c.; No. 1, 6½c.; in oil, pure, 9c.; No. 1, 7½c.

PUTTY—We quote: Bulk, $1.65; bladders, in bbls., $1.80; bladders, in cases, $1.95; in tins, $2.05 to $2.30.

LINSEED OIL—We quote: Raw, 57c.; boiled, 58c., five to nine-barrels, 1c. less, ten and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to four barrels, 63 to 64c., two to four-barrel lots, 1c. less, five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Firm; $1 to $1.20 per gallon.

CASTOR OIL—Firm; at 7½ to 8c.

SEAL OIL—35½ to 37½c.

COD OIL—35 to 37½c.

NAVAL STORES—Fair demand for all lines, and prices show no change. We quote: Resins, $2.75 to $4.50, as to brand; coal tar, $3 to $3.50; cotton waste, 4½ to 5½c. for colored, and 6 to 7½c. for white; oakum, 5½ to 6½c., and cotton oakum, 9 to 11c.

PARIS GREEN—We quote: 250-lb. casks, 13½c.; 50-lb. drums, 14c.; 1-lb. packages, 15c.; ½-lb. packages, 16½c.; 1-lb. tins, 15½c.

PETROLEUM.

As last reported. We quote: Crown, Acme, the new Sarnia oil, 15½c.; Perfection and Silver Star Canadian refined, 14½c.; American prime white, 17c.; water white, 18c., and Pratt's astral, 19½c., in small quantities.

HIDES.

Continue steady; beef, 9, 8 and 7c.; calfskins, 11 and 9c.; lambskins, 30c. each, and sheepskins, 85c.

COAL.

Quiet. We quote as follows: Stove, $5.75; chestnut, $5.75; egg, $5.50; Scotch grate, $6; Scotch steam, $4 to $4.50; Tower ports steam, $3.50 to $3.75.

MONTREAL NOTES.

Turpentine has again again advanced 2c. this week.

The wreck of the ss. Merrimac will seriously interfere with supplies of Canada and tinplate. She had a large quantity of both on board.

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.

'WELLINGTON' KNIFE POLISH

JOHN OAKEY & SONS, LIMITED

MANUFACTURERS OF

Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.

Wellington Mills, London, England.

Agent:

JOHN FORMAN, 644 Craig Street

MONTREAL

FOR SALE.

FOR SALE — BRANCH STORE — PLUMBING, Hardware, Stove, Furnace and Tinning Business. Established five years. Sales doubled in last year. Only store of its kind within ten miles. Reasons for selling—Have all the business proprietors care to see to at their main store. $3,500 stock and fixtures. Rare chance for business man. Address, H. L. WHEELOCK, Rock Island, Quebec. t.f.

29 Years. Established 1870. 29 Years.

SEASONABLE GOODS AT RIGHT PRICES.

Barbed Wire Fencing; Agricultural Implements; Bradley Tin; Builders' and Cabinet Makers' Hardware. Special—A full line of Tinsmiths' Tools and Machinery—latest improvements.

SEYBOLD, SON & CO. - MONTREAL.

Fly Time Hardware

SCREEN DOORS
WINDOW SCREENS
SPRING HINGES

Full stock at lowest prices.

Canada Hardware Co.

Limited

Office and Salesroom:

10 DeBRESOLES ST.

Warehouse: **COMMISSIONER ST.**

MONTREAL.

Wheelbarrows

ALL KINDS.

Navvy, Garden,
Stone, Stable,
Steel Tray, Tubular.

Best and cheapest on the market. Write for prices.

Eastern Agent

ALEXANDER GIBB

22 St. John Street, - - MONTREAL.

Meaford Wheelbarrow Works

CLELAND BROS. & CO.

Meaford, Ont.

JOHN BOWMAN HARDWARE & COAL CO.

London, Ont.

For further supplies of **BINDER TWINE, write us.**

Shipment Prompt. Prices the Lowest.

ONTARIO MARKETS.

TORONTO, July 21, 1899.

HARDWARE.

THERE have not been the same marked changes in prices that characterized the hardware trade last week, but there have been some changes, nevertheless, while in wire and wire products the outlook is certainly for higher prices, on account of the advances in the United States this week. Poultry netting and woven wire fencing are higher, and Canadian-made scales have advanced 10 per cent. These are practically the only changes that have been made in quotations of hardware this week. The volume of business is, on the whole, better than it was a week ago. There is not much movement in barbed wire, but a fairly good business is being done in oiled and annealed, galvanized and hay-baling wire. Wire nails are still meeting with a fair demand, and orders are being booked for horse nails. Cut nails are quiet. Screws, rivets and burrs and bolts continue in good demand. Enameled ware is still selling well, but tinware is quiet. The demand for ice cream freezers is keeping up remarkably well. In sporting goods, such as ammunition, guns and rifles, a nice trade is being done. Trade in gas and oil stoves is pretty well over for the season.

BARBED WIRE—Prices advanced 20c. per 100 lb. in the United States this week, but no change has been made here yet. The volume of business locally is light. We quote $3.25 f.o.b. Toronto.

SMOOTH STEEL WIRE — A further improvement is to be noted in the demand for hay-baling wire, and quite an active business is now to be reported. The demand is fair for oiled and anealed wire. The base price is higher in the United States, but in Canada $2.70 f.o.b. factory is still the ruling figure.

GALVANIZED WIRE — Trade is rather quiet with prices firm. We quote: Nos. 6, 7, 8 gauge $3.40; No. 9, $2.90; No. 10, $3.50; No. 11, $3.55; No. 12, $3.05; No. 13, $3.15; No. 14, $3.90; No. 15, $4.50; No. 16, $4.65.

WIRE NAILS—A fairly active sorting-up trade is being done at firm and unchanged prices, namely $2.75 per keg f.o.b. Toronto. Prices have advanced 20c. per keg in the United States this week.

CUT NAILS — Trade is quiet and prices unchanged at last week's advance. We quote: $2.25 f.o.b. Toronto, Hamilton and London.

HORSE NAILS — A fair number of orders are being booked for future delivery, but immediate business is quiet. We quote: Standard, oval head, 50 per cent.; Acadia, countersunk head, 50 and 20 per cent.

HORSESHOES — Trade is quiet and featureless. We quote as follows: f.o.b. Toronto, Hamilton, London and Guelph: No. 2 and larger, light, medium and heavy iron shoes, $3.60; snow shoes, $3.85; light steel shoes, $4.00; featherweight shoes, all sizes, $5.25. No. 1 and smaller, light, medium and heavy iron shoes, $3.85 per keg; iron snow shoes, $4.20; light steel shoes, $4.15; featherweight steel shoes, all sizes, $5.25.

SCREWS — Business continues good. We quote as follows: Flat head bright, 82½ and 5 per cent. off the list; round head bright, 75 and 5 per cent.; flat head brass, 75 and 5 per cent.; round head brass, 67½ and 5 per cent.; flat head bronze, 67½ and 5 per cent.; round head bronze, 62½ and 5 per cent.

BOLTS — Business continues good and prices firm at the recent advance. We quote: Norway bolts, full square, 65 per cent.; common carriage bolts, 5-16 and under, 55 per cent.; ditto, ⅜ and larger, 50 per cent.; ditto, full square, 65 per cent.; machine bolts, all sizes, 55 per cent.; coach screws, 67½ per cent.; sleighshoe bolts, 72½ per cent.; blank bolts, 55 per cent.; bolt



Dodge

Standard Wood Split Pulleys

ARE USED BY EVERY MILL AND FACTORY IN CANADA.

Live hardware houses keep our catalogue and discount sheet at hand, and display our handsome hanger.

Ours is the largest and most complete Pulley Works in the Dominion.

DODGE MANUFACTURING CO.

of Toronto, Limited **TORONTO, ONT.**

WORKS: Toronto Junction. CITY OFFICES: 74 York St.

ends, 62½ per cent.; nuts, square, 3¾c.; nuts, hexagon, 4¼c.; tapping nuts, 60 per cent.; tire bolts, 60 and 10 per cent.; stove bolts, 60 and 10 per cent.

RIVETS AND BURRS—A fair trade is still to be noted at unchanged quotations. We quote as follows: Carriage section, wagon box rivets, etc. (steel), 60 per cent. off the list; ditto (Norway iron), 55 per cent.; black M rivets, (steel) 60 per cent.; ditto (Norway iron), 45 per cent.; iron burrs, 40 per cent.; copper rivets, 35 per cent.; bifurcated, with box, $1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

ROPE — A steady market is to be noted, both in regard to price and business. We quote: Sisal, 7-16 in. and larger, 10½c. per lb.; ⅜ in., 11c.; ¼ and 5-16 in., 11½c. Manila, 7-16 in. and larger, 12c. per lb.; ⅜ in., 12½c.; ¼ and 5-16 in., 13c.; New Zealand, 9½c. per lb.; Deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 8¾c. Clotheslines, 48 feet, 90c.; 60 feet, $1.20; 72 feet, $1.50; 100 feet, $2.

CHURNS — A fair business is still to be noted in this line. We quote as follows: Metal frame—No. 0, $3; No. 1, $3.20; No. 2, $3.40; No. 3, $3.75; No. 4, $4.50; No. 5, $5.90. The price of wooden frames is 15c. per churn less than the above. Terms, 3 per cent. off 30 days f.o.b. Toronto.

WRINGERS—Trade continues fair, with unchanged prices. We quote as follows: "Leader," $60 per doz.; "Royal Canadian," $58; "Royal American," $48. Prices are all f. o. b. Toronto, Hamilton, Brockville, and Montreal. Discount, 45 per cent. Terms, four months, or 3 per cent., 30 days.

ICE CREAM FREEZERS — Trade in this line keeps up remarkably well.

BUILDING PAPER—Trade keeps fair. We quote: Plain building, 28c. per roll; tarred lining, 35c., according to quality; tarred roofing felt, $1.40 per 100 lb.; carpet felt, $2.25 per 100 lb.

GREEN WIRE CLOTH—This is still scarce and firm at $1.75 per 100 square feet.

POULTRY NETTING AND WOVEN FENCING—A notice has been issued by the manufacturers stating that, owing to the high cost of raw material, they have been compelled to advance their prices. The best discount now obtainable on wire netting is 40 per cent., while woven fencing to the retail trade is 7½c. per rod. Notwithstanding this advance, prices cannot be guaranteed to apply to orders any other than of moderate size.

SCREEN WINDOWS AND DOORS—There is still a scarcity in this line and it seems likely to remain so until the close of the season.

SPADES AND SHOVELS — Business is moderate and discount unchanged at 40 and 5 per cent.

HARVEST TOOLS, ETC.—Prices are firm at the recent advance, and trade is fairly good with still a scarcity to be noted in several lines. Discount 60 and 5 to 60 and 10 per cent.

STOVES—A good many shipments are yet being made of ordinary stoves, but a greater number are expected to go forward next month. In gas and oil stoves, the season's trade is about over.

ENAMELED WARE — Trade has been particularly good the past week, with the demand chiefly for preserving kettles, although quite a few staple lines have been going out.

TINWARE—The demand continues to fall off, and only a moderate business is now being done.

SPORTING GOODS—A good trade is still to be noted in ammunition, guns and rifles. The demand is particularly brisk for ammunition.

CEMENT—A good business is being done with prices firm and unchanged. We quote in barrel lots as follows: Canadian Portland, $2.65 to $2.90; English do., $3; German do., $3.10; Belgian do., $2.70; Canadian hydraulic cements, $1 to $1.10; calcined plaster, $1.90; asbestos cement, $2.50 per bbl.

METALS.

The market is still advancing in nearly all kinds of metals outside, and on the local market quotations are being made to conform with the outside conditions, although there have not been nearly so many changes as last week. We have again advanced the price of black sheets, lead, solder, copper and hoop steel.

PIG IRON — Prices have advanced again in the United States during the week from 25 to 50c. on foundry iron.

BAR IRON—The demand continues good and prices are firm at the $2 base.

BLACK SHEETS—There has been a further advance in local quotations on black sheets, and 28 gauge is now quoted 10c. higher at $3.10

GALVANIZED IRON—A good many cases have been shipped during the past week, and quite a few inquiries for quantities have been received. Stocks on the local market are light. To show how quickly any spot stocks are picked up the following may be cited: This week a small lot had come on here in regard to which some mistake was made. Notice was sent out to the local jobbers offering this at a certain price. Several jobbers immediately intimated that they would take it, but the lot was so quickly taken up that a number were disappointed. 28 gauge is firm at 4.75 per 100 lb.

COPPER—There has been a further advance of 1c. per lb. in the price of ingot copper; 20 to 21c. represents the ruling quotation. The demand for ingot copper is fairly active, and a good business is being done in sheet copper.

BRASS—The demand for brass continues to fall off, but prices are firm and unchanged.

PIG TIN—There have been further advances in the outside markets in pig tin. Locally, Lamb and Flag and Straits are quoted uniform at 33 to 34c. per lb. The demand during the past week has improved, and a fairly active business is being done.

TINPLATES — The market is decidedly firm, and dealers are gradually advancing their prices. Business is more active than it was a week ago.

CANADA PLATES—A good many shipments of Canada plates that were booked early in the season are now being sent forward, and the only complaint is that not much money is being made by the shipper on these particular orders. Trade is, on the whole, fairly good. We quote: All-dull, $2.75; half-polished, $2.85; all-bright, $3.20.

SEALED TENDERS addressed to the undersigned and endorsed "Tender for Supplying Coal for the Dominion Buildings," will be received at this office until Friday, 4th August, next, for the supply of Coal for the Buildings throughout the Dominion.

Specifications can be seen and forms of tender obtained at this office, where all necessary information can be had on application.

Persons tendering are notified that tenders wil not be considered unless made on the printed form supplied, and signed with their actual signatures.

Each tender must be accompanied by an accepted bank cheque, made payable to the order of the Honorable the Minister of Public Works, equal to ten per cent. of amount of tender, which will be forfeited if the party decline to enter into a contract when called upon to do so, or if he fail to complete the work contracted for. If the tender be not accepted, the cheque will be returned.

The Department does not bind itself to accept the lowest or any tender.

By order,

E. F. E. ROY,
Secretary.

Department of Public Works,
Ottawa, July 8th, 1899.

Newspapers inserting this advertisement without authority from the Department will not be paid for it. (30)



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon

IRON PIPE — The demand continues active, and local jobbers have this week made a further advance in the price of black iron pipe. In our last issue, in the market report, ⅛ to ⅜ inch pipe was quoted at $3.10; it should have read $3.25. Quotations on black pipe are now as follows: ¼ to ⅜ inch, $3.35; ½ inch, $3.40; ¾ inch, $4; 1 inch, $5.50; 1¼ inch, $7.35; 1½ inch, $9.25; 2 inch, $12.50; 2½ to 6 inch, discount off the list 45 per cent. Black iron pipe, 2½ inch and larger, is almost unobtainable at the moment, and these sizes are being more firmly held than even the other sizes. Galvanized pipe is unchanged at the following quotations: ½ inch, $6.50; ¾ inch, $8; 1 inch, $11; 1¼ inch, $15.25; 1½ inch, $19; 2 inch, $27.

PIG LEAD — There has been a further advance of ¼c. per lb. in the price of pig lead, and we now quote 4½ to 4¾c. The demand is fairly good.

LEAD PIPE—There is a fair demand at unchanged prices. We quote: Ordinary pipe, 7c.; waste, 7½c. Discount, 20 per cent.

RANGE BOILERS—These continue in good demand at firm prices. We quote: Galvanized, 30 gals., $9; 35 gal., $10; 40 gal., $11. Copper, 30 gal., $22; 35 gal., $26; 40 gal., $30; discount off copper boilers, 10 per cent.

COIL CHAIN — The demand is moderate only and prices unchanged. We quote: ¼ in. $6.75; 5-16 in., $4.75; ⅜ in., $4.30; 7-16 in., $4.15; ½ in., $3.05; ⅝ in., $3.85; ¾ in., $3.75.

SHEET ZINC—A little more activity is noted in this line, but prices are unchanged at 8¼ to 8½c. for cask and smaller quantities respectively.

SPELTER—Trade is quiet in this line and prices unchanged at 7½ to 7¾c. per lb.

SOLDER—This is advancing and some of the dealers are now quoting as high as 20 to 21c. for half-and-half; 19 to 20c. for refined, and 17 to 18c. for wiping.

ANTIMONY — Trade is still quiet and featureless, with quotations nominally unchanged at 11 to 11½c. for Cookson's.

SOIL PIPE—Trade is fair at the recent advance. Discount 50 and 10 per cent.

PAINTS AND OILS.

The amount of business being done is unusually large for July. Turpentine is moving in larger quantities than it has at any other time this season. Linseed oil, white lead and sundries are in active demand from all sections of the country. The city demand is moderate. Turpentine shows a slightly easier feeling in the South, but prices are well maintained here. All kinds of materials are firm in tone, with an advance of 20c. in New Brunswick plaster.



76,800 Daily Production
5 Factories
5 Brands
For Sale all over the world.
16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of America.
NICHOLSON FILE CO., Providence, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited. Established 1773.

Manufacturers of **Polished, Silvered, Bevelled, Chequered, and Rough Plate Glass.** Also of a durable, highly-polished material called "**MARBLETTE,**" suitable for Advertising Tablets, Signs, Facias, Direction Plates, Clock Faces, Mural Tablets, Tombstones, etc. This is supplied plain, embossed, or with incised gilt letters. **Benders, Embossers, Brilliant Cutters, etc., etc.** Estimates and Designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow—12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glass, St. Helens." Telephone No. 68 St Helens.

WHITE LEAD—Ex Toronto, pure white lead, $6.12½; No. 1, $5.75; No. 2, $5.37½; No. 3, $5; No. 4, $4.62½; dry white lead in casks, $5.10.

RED LEAD—Genuine, in casks of 560 lb., $4.90 to $5; ditto, in kegs of 100 lb., $5.15 to $5.50; No. 1, in casks of 560 lb., $4.75; ditto, kegs of 100 lb., $5.

LITHARGE AND ORANGE MINERAL—We quote: Litharge, 6 to 6½c.; orange mineral, 7½ to 8½c.

WHITE ZINC—Genuine, French V.M., in casks, $7 to $7.25; Lehigh, in casks, $6.

PARIS WHITE—We quote 90c.

WHITING — 55c. per 100 lb.; Gilders' whiting, 85c.

GUM SHELLAC—In cases, 24c.

PLASTER PARIS — Ordinary, $1.75 per barrel; New Brunswick, $2 to $2.20 per barrel.

PUMICE STONE—Powdered, $2.50 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, $1 per gallon; No. 1 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9c. per lb. and 10c. for single tins.

LINSEED OIL — Quotations to outside western points are (freight allowed): Raw, 1 to 4 barrels, 57c.; boiled, 1 to 4 barrels, 60c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside western points, freight allowed, 1 to 4 barrels, 65c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

One Toronto jobbing house is taking into stock, this week a consignment of Belgian glass. This is the first arrival of the season, but it is difficult to say when the next consignment will arrive. There is certainly no word of it yet. Meanwhile, stock prices in Toronto are firm, but unaltered, at the following figures: Star, first break in 50-foot boxes, $2, and in 100-foot boxes, $3.75; double diamond under 25 united inches, $6, Toronto Hamilton and London; terms 4 months or 3 per cent. 30 days.

OLD MATERIAL.

Heavy copper scrap is 1c. cheaper. New light scrap copper and bottoms have declined ½c. per lb. Heavy red scrap brass is 1c. dearer. We quote as follows: Agricultural scrap, 55c. per cwt.; machinery cast, 60c. per cwt.; stove cast scrap, 45c.; No. 1 wrought scrap, 55c. per 100 lb.; new light scrap copper, 12½c. per lb.; bottoms, 11c.; heavy copper, 15c.; light scrap brass, 7½c.; heavy yellow scrap brass, 10c.; heavy red scrap brass, 11c.; scrap lead, 2½c.; zinc, 3c; scrap rubber, 4c.; good country mixed rags, 65 to 75c.; clean dry bones, 45 to 50c. per 100 lb.

COAL.

Prices are firm, but unchanged. An unusually heavy demand is noted. We quote as follows: Anthracite for July delivery at Buffalo and bridges: Egg, stove and nut, $4.50 per gross ton, or $4.01 per net ton; grate, $4.25 per gross ton or $3.79 per net ton.

PETROLEUM.

The demand is improving slightly. Prices are steady and unaltered. We quote, in barrels, Toronto, as follows: Canadian, 14c.; Sarnia prime white, 14c.; Sarnia water white, 15c.; photogene, 15½c.; American water white, 16½c.; Pratt's astral, 18c.

MARKET NOTES.

Scrap copper is ½ to 1c. per lb. cheaper.

New Brunswick plaster paris is 20c. dearer.

Ingot copper is 1c. per lb higher at 20 to 21c. per lb.

Lead is quoted fractionally higher at 4½ to 4¾c. per lb.

The base price of hoop steel has been advanced to $2.75.

The discount on poultry netting has been reduced to 40 per cent.

Scales of Canadian make have been advanced 10 per cent. in price.

Black sheets are 10 to 15c. higher, 28 gauge being quoted at $3.10.

PAINTMEN'S PICNIC.

THE employes of The Sherwin-Williams Co., with their wives and friends to the number of 250, attended their first picnic on July 13, at Isle Gros Bois. The steamer Hochelaga left her wharf at 8 o'clock, and was soon sailing down the river. The morning was beautiful, and the sweet strains of Rotto's orchestra beguiled the time till the Island was reached at 9.30 o'clock. The landing was soon effected, and then began one of the most delightful day's outing of the season.

As soon as everything had been taken ashore the programme of games was commenced. These games consisted of running races, jumping, a pipe race, and a needle and thread race. The two last named were very enjoyable, and caused no small amount of amusement to the spectators. All the games were closely contested, and in many of the events there were 30 competitors. A tug-of-war concluded the first part of the programme. At 12.30 o'clock luncheon was served on tables conveniently placed in shady nooks. After luncheon a base-ball game was played between teams representing office and works, which resulted in favor of the office by a score of 6 to 5.

For those who did not care for baseball ample provision was made for dancing, shooting, etc. The dancing seemed the greatest attraction, however, and this was kept up till 6.30 o'clock, when all once more embarked for the city.

On the return voyage the prizes were distributed, and short addresses delivered by Messrs. Ballantine, Seiplin, and Johnson. Letters were read from Messrs. Sherwin, Cottingham, E. A. Wood, and others, all regretting their inability to attend, but wishing one and all a pleasant day. The orchestra then played "He's a Jolly Good Fellow," and other popular airs, winding up with "God Save the Queen."

So great was the success of this, the first, outing, that the management has decided to make it an annual affair.

PATENT STATISTICS.

The Canadian patent office issued a total of 183 patents during May, 1899. Of this number, 131 were granted to citizens of the United States; Great Britain, 10; Germany, 6; France, Switzerland, Sweden and Australia 1 each, and 33 to citizens of Canada.

It may be worthy of mention that exactly one-half of all the patents granted to Canadian inventors were procured by one firm, Marion & Marion, of Montreal, the others being distributed among about 100 different firms scattered throughout the Dominion.

We Want Your Axe Order

FOR FALL SHIPMENT.

Kindly hold it till our representatives call on you.

James Warnock & Co., - Galt, Ont.



"GREENING'S COW TIES"

These Cow Ties have stood the test for years.

Undoubtedly the best and strongest on the market.

It will pay to handle only the best.

A complete line of all sizes ready for shipment.

For sale by all jobbers.

The B. GREENING WIRE CO.
LIMITED
MONTREAL AND HAMILTON.

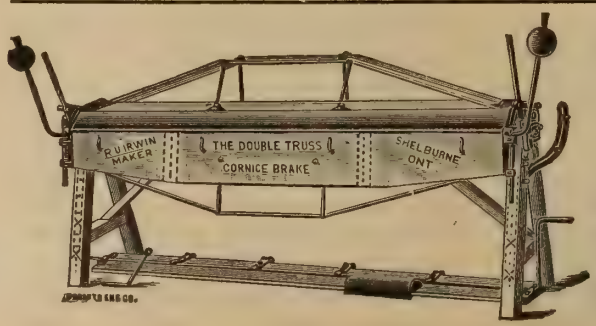


Geo. D. Wood & Co.
WINNIPEG, MAN.

Importers of and Dealers in
SHELF AND HEAVY
HARDWARE, PAINTS, OIL, GLASS, PUMPS, Etc.

Stock now **complete** in seasonable lines. **Prompt** shipment.

Letter orders receive **special** attention.



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

Price, $50

Very handy beader attachment, $10 extra, if required.

Send for circulars and testimonials to

The Double Truss Cornice Brake Co. SHELBURNE, ONT.

MANITOBA MARKETS.

WINNIPEG, July 17, 1899.

WHOLESALE houses report an active business all week, there being a much greater amount of buying than is usual at the exhibition time. The influx of country merchants was very large, and they all appeared in excellent spirits and fully prepared to do a big fall trade.

Prices in all lines are firm and there have been several advances during the week.

Mr. O'Connor of St. John's N.B., was a visitor in the city during the week. He was here in the interest of his binder twine business, and also to take in the fair. Binder twine, by the way is a little slow. Merchants at outside points report that orders are not coming in as freely as usual at this time of year. The crop is a heavy one, and there will be a great deal of twine needed, but there seems to be an idea abroad that prices will drop. At present the figures are ½c. per lb. advance on all spring contracts. Wire nails have again advanced 10c.

Harvest tools are quoted this week at 62½ per cent off. All other prices remain unchanged for the week :

Barbed wire, 100 lb	$3 75
Plain twist	3 75
Staples	4 25
Oiled annealed wire, 10	3 16
" 11	3 22
" 12	3 35
" 13	3 40
" 14	3 50
" 15	3 60
Wire nails, 30 to 60 dy, keg	3 35
" 16 and 20	3 40
" 10	3 50
" 8	3 65
" 6	3 70
" 4	3 90
" 3	3 85
Cut nails, 50 and 60 dy	2 65
" 20 to 40	2 70
" 10 to 16	2 75
" 8	2 80
" 6	2 85
" 4	3 15
" 3	3 40
" 3 fine	3 70
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No. 1	4 25
No. 2 and larger	4 00
Snow shoes, No. 0 to No. 1	4 70
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 70
No. 2 and larger	4 45
Extra light	4 65
Bar and band iron, $2.50 basis.	
Swedish iron, $5 basis.	
Tool steel, Black Diamond, 100 lb	8 75
Jessop	12 75
Sheet iron, black, 10 to 12 gauge, 100 lb	3 25
14 to 26 gauge	3 50
28 gauge	3 60
Galvanized American, 16 gauge	4 25
18 to 22 gauge	4 50
24 gauge	4 75
26 gauge	5 00
28 gauge	5 25
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 55
26 gauge	8 80
28 gauge	8 00
Tinplate, IC charcoal, 20 x 28, box	9 50
" IX "	11 50
" IXX "	13 50
Ingot tin	31
Canada plate, 18 x 21 and 18 x 24	3 25
Sheet zinc, cask lots, 100 lb	8 50
Broken lots	9 00
Pig lead, 100 lb	4 25

THE "HALITUS"

Ventilator and Chimney Cowl

"Is a ventilator that ventilates."

It is absolutely storm proof—has no downward draft—can't get out of order—and is scientifically constructed to exhaust more cubic feet of air per minute than any other.

Made from best galvanized steel—any size required.

Look them up in our catalogue—or write us.

THE METALLIC ROOFING CO., Limited

Wholesale Manufacturers,

1179 King St. West, TORONTO.

Wrought pipe, black up to 2 inch	50 p.c.
" Over 2 inch	50 and 10 p.c.
Rope, sisal, 7-16 and larger	11 50
" ⅜	12 00
" ¼ and 5-16	12 50
Manila, 7-16 and larger	13 00
" ⅜	13 50
" ¼ and 5-16	14 00
Solder	19
Cotton, all sizes, lb	15
Axes, per box	$5.50 to 8 00
Screws, flat head, iron	80, and 5 p.c.
Round " "	70 and 10 p.c.
Flat " brass	70 and 10 p.c.
Round " "	65 p.c.
Bolts, carriage 5-16 and smaller	50 p.c.
⅜ and larger	45 p.c.
Machine	45 p.c.
Tire	60 and 10 p.c.
Sleigh shoe	65 p.c.
Rivets, iron	37½ p.c.
Copper, No. 8, lb	33½ c.
Spades and shovels	
Harvest tools	62½ p.c.
Axe handles, turned, s. g. hickory, doz	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 65
No. 1	1 25
Linseed oil, raw, per gal	61
" boiled "	64
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	25 p.c.
" military	15 p.c.
American R.F.	35 p.c.
C.F. pistol	5 p.c.
C.F. military	Net.
Loaded shells, Robin Hood, M	$20 00
Eley's soft, 12 gauge	15 00
chilled, 12 guage	16 50
soft, 10 guage	20 00
chilled, 10 guage	21 00
American, M	16 25
Shot, Ordinary, per 100 lb	6 50
Chilled	7 00
Powder, F.F., keg	4 75
F.F.G.	5 00
Robin Hood	10 00
Tinware, pressed, retinned	70 and 12½ p.c.
" " plain	70 and 20 p.c.
Granite ware, according to quality	60 and 10 p.c.
Turpentine, by barrel	72c.
Less than barrel	77c.

NEW ACETYLENE COMPANY.

A new company has been formed among Montreal capitalists to manufacture and sell acetylene gas generators. Joseph W. Pyke is one of the promoters. They have not yet decided upon their premises, but will do so at once.

HAMILTON'S BIG STEEL COMPANY.

Letters of incorporation have been granted to Trew Wood, M.P., merchant; Albert Edgar Carpenter, manufacturer; Charles Seward Wilcox, manufacturer; John Milne, manufacturer; William Southam, publisher; Aaron Morley Wilcox, manufacturer, and Charles Edward Doolittle, manufacturer, all of Hamilton, Ont., under the style of The Hamilton Steel and Iron Co., Limited, with a capital of $2,000,000.

The company has been authorized to explore for, mine or buy iron, nickel and other ores or metals, and to crush, smelt, produce and manufacture them; in fact, to carry on generally a smelting and rolling mill business for the manufacture of iron and steel rails and all kinds of muck bar and refined roll bar iron, Bessemer and other kinds of steel. It has also been privileged to build or acquire vessels, wharfs, aqueducts, water-power, railroads, etc., such are necessary or convenient for the business of the company.

THE BEAUTIES OF ST. JOHN, N.B.

The New Brunswick Tourist Association never let up in their efforts to make the world recognize the varied attractions their Province offers to the pleasure or health seeker. The scenic and climatic advantages of New Brunswick are great. So are the sports offered to the fisherman or hunter. St. John is considered by the association as the natural centre of and outfitting point for tourists. The beauties of the city and of the country adjacent to it are attractively set forth in an elegantly gotten up booklet, containing forty half tone views, presenting the city and country in a most attractive manner.

HEATING AND PLUMBING

PLUMBING AND HEATING CONTRACTS.

J. W. HUGHES, Montreal, has contracts as follows: Berks & Co., extension to their store on Philips Square; a new house for Jonathan Hodgson on Pine avenue; Geo. Hydes, new house on Simpson street; five stores and dwellings for W. W. Ogilvie on Notre Dame street; the plumbing and heating of the Standard Shirt Co's extension on Delormier avenue; the contract for plumbing and heating the new Westmount school on Oliver avenue; also a lot of alterations in the Herald building, corner St. Francois Xavier and Notre Dame streets.

James Ballantyne, Montreal, has the contract for Tooke Bros'. new factory at St. Henry.

Garth & Co., Montreal, have the contract for S. Greenshields Son & Co's new store Victoria Square.

D. Ouimet, Montreal, has the contract for plumbing and heating of four tenements on Charlemagne street.

John A. Gordon, Montreal, has the contract for the plumbing and heating of A. F. Gault's new apartment house.

Gordon & Eagan, Montreal, have the contract for plumbing and heating McIntyre's new store on Victoria Square.

Mr. Walsh, Montreal, has the contract for plumbing and heating in C. S. Campbell's new summer house at St. Laurent.

J. Lamarche, Montreal, has the contract for the plumbing, heating and roofing of two houses for Mr. Mercier, Green avenue; also for the copper roofing of the post offices at Dalhousie, N.B., and Truro, N.S.

Carroll Bros., Montreal, have the following contracts on hand: Four houses for Thos. Collins, on Tupper street; house on St. Antoine street for Mr. Hicks; furnaces in ten new houses for J. P. Whalen; house and stable for Mr. D. Drummond; six houses on Cheminville street for Mr. Kearns.

W. J. McGuire, Toronto, has contracts for heating and plumbing in the factory for Brown Bros., on Wellington street west, and for a warehouse at the corner of Bay and Wellington streets. This firm also put in the lowest tender for plumbing in the St. Lawrence Market building, Toronto. Their figure was $10,383.

E. C. Mount, Montreal, has the following contracts: Plumbing for Foley's apartment house on Metcalf street; plumbing and heating of six houses for G. A. Bulmer at Westmount; heating two houses for Mrs. Taylor, Westmount; steam heating of The Edwardsburg Starch Co.'s new mill at St. Luce, Que.

J. W. Graham, Montreal, has the contract for plumbing and heating the new Catholic high school.

Blouin, Delfosse & Latourelle, Montreal, have the following plumbing and heating contracts: Grey Nunnery at Beauharnois; Grey Nunnery at St. Jerome; Grey Nunnery, St. Matthew street, Montreal; Grey Nunnery, Nazareth asylum, city; Good Shepherd, St. Martin; heating of new church at "The Cedars."

Lessard & Harris, Montreal, have the contracts for the plumbing of the La Presse building; the heating of Foley's new apratment house, on Metcalf street; the steam-heating of St. James the Apostle Church; the plumbing, heating and roofing of Mr. Stroud's new house, Westmount, and the plumbing and heating of St. Mary's Academy.

Purdy, Mansell & Co., Toronto, have contracts for plumbing and gas-fitting in four houses on Bedford road; for plumbing, gas-fitting and heating in a large residence on Walmer road, for C. A. Dinnock; for hot-water heating in Geo. H. Hees & Son's warehouse at 71 Bay street, and for plumbing, heating and gas-fitting in a residence for T. P. Stewart, on Delaware avenue, Toronto.

ASSOCIATIONS TO BE ORGANIZED.

When some of the Toronto master plumbers were entertained last Saturday by some of the St. Catharines, Ont., masters they were informed that there is every likelihood of an association being formed in St. Catharines, in the near future.

Another association likely to be organized before long will be known as the Guelph district association. Some weeks ago W. Smith, past-president of The National Association, visited Guelph to encourage the masters there to organize.

Mr. Mahoney, of Mahoney Bros., was in Toronto the other day, and while in that city informed some of the National executive officers that the Guelph masters were ready for organization, and were endeavoring to persuade the Galt and Berlin masters to unite with them in forming a district association. Their efforts have been so far successful that the completion of the organization is expected to be shortly effected.

TORONTO PLUMBERS' PICNIC.

The picnic of the Toronto Journeymen Plumbers' Union to St. Catharines on Saturday last was a decided success. In the neighborhood of 500 of the plumbers and their friends took in the trip. Included in the number were the following members of the Master Plumbers' Association: Messrs. Joseph Wright, J. H. Wilson, A. S. Purdy, W. Mansell, Dennis McMullen, R. T. Robinson, A. H. Richardson, J. E. Fullerton, David Menzies, Albert Mashinter and W. H. Meredith. The master plumbers were entertained in St. Catharines by Messrs. Chatfield, Gourlay, Bauld and Parnell, representing the St. Catharines master plumbers.

The programme of sports prepared by the committee was a good one, including, besides 20 events such as running, jumping, bicycle races, etc., a baseball match and a tug-of-war, in each of which the plumbers were pitted against the steamfitters. The plumbers won the baseball match, but the outcome of the tug-of-war was such that both teams are said to have won it.

PLUMBING AND HEATING NOTES.

Architect Dumaresque's plans for the new Infant's Home at Halifax, N.S., have been accepted.

The new machinery hall at the Exhibition grounds, Toronto, will cost $13,080, without the machinery.

The faculty of McGill College is talking of renovating and adding another storey to the medical building.

The members of St. Andrew's Church, London, Ont., have decided to spend $25,000 in improving their church.

There is talk in Montreal of another large department house down town. It is probable that it will be one of the largest in the city.

J. B. Hanley is starting to build a foundry at Midland, Ont. E. V. Donohue is asking for tenders for a business block, 60 x 30 feet, in the same place.

Arthur S. Bates, of Bates and Robinson, Toronto, who went to Muskoka for his health a couple of weeks ago, has returned, but is not yet recovered sufficiently to start work.

The Ontario Government has made a new agreement with The Niagara Power Co., whereby the latter surrenders its monopoly privileges.

SEND for specimen copy of Phillips' Monthly Machinery Register, containing over 5,000 entries of new and second-hand machinery of every description. The oldest established and most successful medium in the world. Established 25 years for the purpose of introducing those who have machinery for sale, to those who wish to buy, has a circulation of about 50,000 copies per annum, all over the world, and is used for continual reference by a large number of firms. It is consequently a most valuable advertising medium for all engineers and manufacturers Subscription, 6s. per annum, price per copy, 6d. Sole Proprietor, CHAS. D. PHILLIPS, M.I.M.E., Newport, Mon., England. Telegraphic address: "Machinery, Newport, Mon."

The Syracuse Smelting Works

ARE MANUFACTURERS OF

Plumbers' and Tinsmiths' Solder

of highest quality. Highest market prices paid for old Brass and Copper.

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We are the Oldest and Largest Manufacturers of

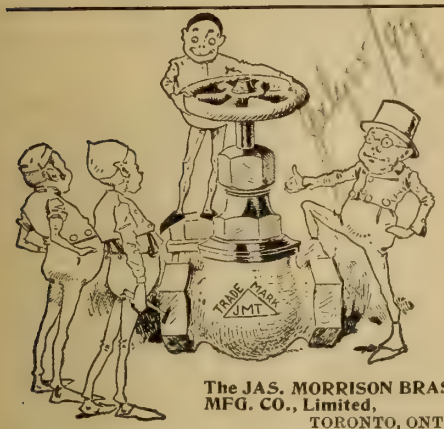
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in the Dominion. You know what that means, that if you want proper goods at proper prices you should write us, which please do if interested.

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John Morrow Machine Screw Co.

Ingersoll - Ontario.



The JAS. MORRISON BRASS MFG. CO., Limited,
TORONTO, ONT.

HARRINGTON & RICHARDSON ARMS CO.

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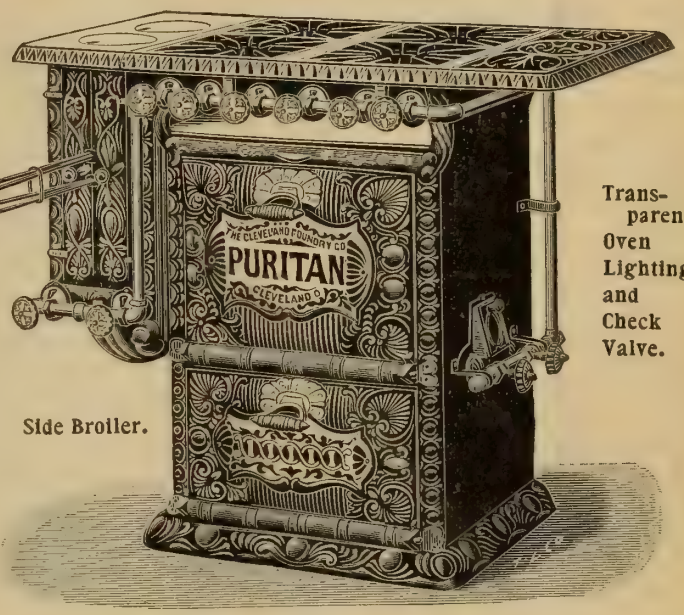
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Puritan Gas Range



Side Broiler.

Transparent Oven Lighting and Check Valve.

This range is beautifully designed and fitted with the latest needle-pointed stop valves. With and without water heaters and side broilers. Manufactured in 20 different styles, and suitable for any kind of gas.

Secure the agency for this line of goods and bring business to your store.

R. BIGLEY, Canadian Agent, Toronto, Ont.

Toronto Foundry Co.

Manufacturers of SOIL PIPE, FITTINGS, SINKS, BOILER STANDS.

Nos. 146-148-150 Niagara Street, TORONTO

The only Exclusive Manufacturers of Soil Pipe and Soil Pipe Fittings in Canada. . . . . .

All goods stamped T. F. Co. are warranted.

Ride Good Tires



Samson
New York
C. R. Co. } Tires are Good Tires.

Write for Catalogue and Prices.

NEW YORK TIRE CO. - - Toronto, Ont.

THE SOLDERING OF ALUMINUM.

SCARCELY a week passes, says The Metal Worker, that we are not in receipt of one or more inquiries from correspondents in all parts of the country in regard to methods of soldering aluminum. For the benefit of such of our readers as are interested in this question, we print the following circular on the subject of aluminum solders, issued by The Pittsburgh Reduction Company :

"The soldering of aluminum has always been a difficult problem, and the problem has not been, up to the present time, completely solved.

"The difficulties in soldering aluminum arise from :

"1. The high heat conductivity of aluminum ; and

"2. The fact that none of the ordinary soldering salts, or any easily obtainable soldering salt, will clean the surface of aluminum.

"On account of the high heat conductivity of aluminum the heat from a soldering iron is conveyed away from the iron and from the solder so rapidly that the solder does not become sufficiently liquid to flow readily. This can be overcome to a large extent by taking steps to counterbalance the spreading of the heat. If the aluminum pieces to be soldered are small and thin, then, naturally, the difficulty is not so great as when the aluminum pieces are heavy and absorb a large amount of heat. In this latter case the soldering iron should be kept at a higher heat than is usual, and the aluminum pieces should, if possible, have been warmed beforehand.

"Whereas aluminum is properly spoken of as a non-oxidizable metal, nevertheless, the surface is covered with a very thin film of oxide, which prevents the solder from amalgamating with the aluminum. The most natural and simple way to remove this coating is to scrape it off with emery cloth or a file. If this is not possible, then it can be done by dipping the edge to be joined in a solution composed of about :

1 part hydrofluoric acid,
10 parts nitric acid,
50 parts water,

or in a solution, first of caustic soda, and then strong sulphuric acid.

"Many manufacturers, after some attempts with indifferent results, are now soldering aluminum with considerable success. Experience seems to be a very important factor in the successful accomplishment of the soldering of aluminum. A workman who, perhaps, is experienced in the soldering of other metals will meet with considerable difficulty in the soldering of aluminum, but these difficulties become less, and, in time, practically vanish as the experience of the workman increases.

"The Pittsburgh Reduction Company do not, however, recommend soldering, if any other means of making a joint can be employed. Soldered joints in aluminum, even when well made, are not as strong as soldered joints in other metals, and, on account of the galvanic action between the solder and the aluminum, the joint will gradually disintegrate, especially if by exposure to water or by other means the conditions are particularly favorably for galvanic action. In dry places, however, a soldered joint will apparently last an indefinite time. Samples of soldered joints submitted to The Pittsburgh Reduction Company a number of years ago, and which have been kept in the office, are quite as good now as when first sent.

"In view of the high heat conductivity of aluminum, it follows that a solder which will melt at as low a temperature as possible should be used. There are a number of solders on the market having this characteristic, or one can easily be made to suit the occasion. Nearly all aluminum solders contain a small portion of phosphor tin."

PLUMBING WORK IN MONTREAL.

There is an unusual amount of work being done in Montreal this season, but, as usual, everybody is complaining about the low prices of tenders. It seems a pity that when all other trades are taking advantage of higher prices, this trade should be sticking to the old ways.

TORONTO BUILDING PERMITS.

Building permits have been granted in Toronto to M. Clemes, for a two-storey and attic brick residence at King street and Jamieson avenue, to cost $4,500 ; to W. Goodman, for a summer cottage at Centre Island, to cost $1,200 ; to G. McWilliams, for four two-storey and attic brick dwellings on Seaton street, near Wilton avenue, to cost $8,500 ; to W. J. Equi, for a summer cottage at Centre Island, to cost $1,000 ; to Wm. Christie, for a two-storey addition to his residence at Queen's Park and St. Alban's street, to cost $1,200 ; to M. A. McMillan, for a pair of semi-detached brick dwellings on Howland avenue, to cost $5,200 ; to The Bell Telephone Co., for a one-storey brick storage building on the east side Cowan avenue, near Queen street, to cost $5,300.

Building permits have been issued in Ottawa to Capt. J. Wood, for a brick residence on O'Connor street, to cost $7,000 ; to W. A. Clarke, for a two-storey brick veneer residence, to cost $6,000.

CONTRACTS MADE, PENDING AND ASKED FOR.

A new fire hall is to be erected in Woodstock, Ont.

Tenders are being asked for a house for A. Peet in Chatham, Ont.

Tenders will be asked shortly for the new Merchants Bank premises, Montreal.

The Shawville, Que., council are preparing to put in a waterworks system.

Tenders are being asked for a new Roman Catholic church at Kinkora, P.E.I.

Tenders are being asked for for a new house, 64 McTavish street, Montreal.

Tenders are being called for for plumbing and heating the new cotton factory at St. Henry.

Geo. Craddock, architect, is asking for tenders for work in the new synagogue, London, Ont.

Inspector Noxon has recommended that a new $50,000 boys' reformatory be built at Penetanguishene, Ont.

Tenders are asked for for the plumbing and heating of Hon. L. J. Forget's new summer residence at St. Anns.

Architect Long & Son, St. Thomas, Ont., are preparing plans for a residence for J. W. Wanless, of Courtright, Ont.

S. S. Bain, the florist, Montreal, is asking for tenders for plumbing and heating his new house on Lower Lachine road.

Tenders will soon be asked for plumbing and heating Morgans' new extension to their store, St. Catherine street, Montreal.

Architect Patterson, Hamilton, is preparing plans for a $25,000 building, to be erected for the Kloepfner Refining Co., of that city.

Architects Wilson & Son, Chatham, Ont., are preparing plans for a new brick veneer, two-storey block, 20x45 feet, for John Kerr, of Thamesville, Ont.

Tenders for plumbing and heating are being asked for for a new house on Wood avenue, Montreal, by Mr. St. Louis, the well-known architect.

William Ralph, hardware dealer, Cordova street, Vancouver, has bought a lot 25x100 on Hastings street west. On this he intends erecting a store including three storeys and a basement. The basement and first storey will be the full length of the lot ; the second and third storeys 90 feet deep. Parr & Fe[illegible] are the architects.

EXECUTIVE MEETING.

The local executive of The National Plumbers' Association held a meeting in Montreal on Thursday, July 20, at 4 p.m. at which matters of importance were discussed.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, **Montreal.**

Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates, Galvanized Sheets, Imitation Russia Sheets Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.



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Headquarters for . .

Oil and Artesian Well Pumps, Casing, Tubing Fittings, Drilling Tools, Tables, etc.

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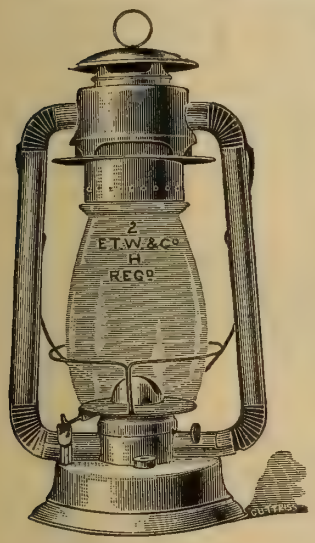
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"Get the Best."

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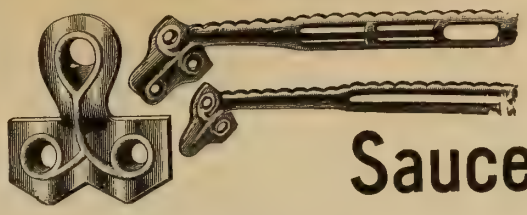
TRADE MARK J REGISTERED

"JARDINE" TIRE UPSETTERS WILL UPSET TIRES

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.
HESPELER, ONT.



Pail Ears AND Saucepan Handles.

Neatest designs, greatest strength and finest finish of any made. Large stock of all sizes constantly on hand and all orders filled promptly. By the gross, package or in bulk, as desired. SEND FOR CATALOGUE.

BERGER BROS. CO., Philadelphia, U.S.A.

Not in the Combination

Write for prices on

MRS. POTTS SAD IRON HANDLES.

M. SCHRAYER'S SONS & CO.,

49 Blue Island Ave., Chicago, Ills.

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Hardware, Metals, Paints, Oils, etc.?

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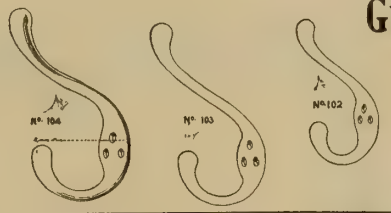
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Gunn's Patent "Brassic" Goods

Made by an entirely new process.
Cheaper and better than old style.
Your stock not complete without them.

THE GUNN CASTOR CO., Limited
KNOX HENRY,
Canadian Agent, 220½ Board of Trade, MONTREAL.

EVERY ORIGINAL TIN HAS THIS IMPRESSION ON A WHITE CAPSULE
NOBLES & HOARE LONDON ENGLAND

Nobles & Hoare,

CORNWALL ROAD STAMFORD STREET.

LONDON, ENG.

Manufacturers of

HIGH-CLASS VARNISHES ONLY

Which can be obtained direct from the works or from the principal Color Dealers in Canada.

HUTCHISON, SHURLY & DERRETT

DOVERCOURT TWINE MILLS.

1078 BLOOR STREET WEST, TORONTO.

Having equipped our Factory with entirely new machinery, we are prepared to furnish the best made goods in the market at closest prices and make prompt shipments.

Hand Laid Cotton Rope and Clothes Lines,
Cotton and Russian Hemp Plough Lines, plain and colored.
Cotton and Linen Fish Lines, laid and braided.
Netted Hammocks, white and colored, Tennis and Fly Nets.
Skipping Ropes, Jute, Hemp and Flax Twines.

PALMER-DUNLOP TIRE LITIGATION.

MR. JUSTICE WILLS recently gave his judgment in the action brought by The Palmer Tire Manufacturing Company, Limited, against The Dunlop Pneumatic Tire Company and others for alleged infringement of patents. His Lordship, in giving judgment, took each patent separately. In regard to the Thomas, he said that it was very badly drawn and had apparently been subjected to two amendments, one in July, 1893, and the other in May, 1898. It was only before him in its amended shape, and there was nothing to show what it originally was. There were in the specification many ambiguous passages. The description of the patent was that of a sheet tire intended to be inflated, and it was described as a sheet of flexible material only, which was to be impervious to fluids, air and gases, and was to be inflated. In was also to be of a cylindrical form. When he came to examine the drawings and to compare them with the specifications, he found considerable divergence. Having dealt with the methods of attachment of the tire to the rim, he said that Thomas appeared to have great faith in cement and bird lime and other glutinous material. It was clear that his claim was limited to methods of construction in which the tire or the tire cover was held in grooves or the equivalents of grooves. In what the defendants had done as to attaching the rims, etc., they had done what anyone else might have done, and there was no infringement of Thomas' patent. The points raised as to the utility and sufficiency of the specification also failed. As to the Trigwell patent, he said the principle and method of attaching the rim were practically the same as in the Thomas patent, and in this case he also found there had been no infringement. On the points of disconformity and anticipation, he must follow what had been done by Justices Kekewich and Romer, and give judgment for the defendants. The Palmer patent was a question of the fabric used in the manufacture of the tires, and it was contended that Palmer had patented the fabric in question. The fabric was a composition of threads and rubber, and was vulcanized. The defendants used what they called flexifort, which served the same general purpose as the Palmer fabric and contained its material elements, but evidence had been called that a similar fabric was made before the date of the Palmer patent. On the ground of anticipation, therefore, he found for the defendants. There would be judgment on all the issues for the defendants, with costs.—Ironmonger, London, July 1.

FOR SALE.

A NEW MARLIN RIFLE

Never been used. Just the Rifle for practice. Price $30. Will take $20.

19 Board of Trade, Montreal.



STEEL LETTERS and FIGURES.

If your Jobber does not keep our steel letters and figures send to us direct, we make everything in steel stamps.

HAMILTON STAMP & STENCIL WORKS
Hamilton, Ont.

D. F. Jones Manufacturing Co. Limited, of Gananoque, Ont.

Established 1852.

Shovels Spades Draining Tools

TRADE MARK. J D.F.J.MF'G.CO.

Grain and Coal Scoops and Miners' Shovels

The only Canadian manufacturers of Plain Back Shovels and Spades THAT ARE SOLID, without weld, and graduated from socket to point, and from centre to sides, of blades.

All our goods have trade mark on the handle.



IRON AND BRASS

Pumps

Force, Lift and Cistern Hand and Power.

For all duties. We can supply your wants with —quality the best and prices right. Catalogues and full information for a request.

THE R. McDOUGALL CO., Limited

Manufacturers, Galt, Canada.

FULL STOCK

DIAMOND BRAND



WIND GUARDS, CHIMNEY TOPS, FLUE LININGS, CULVERT PIPES, SEWER PIPES, INVERT BLOCKS.

Manufactured by the

HAMILTON AND TORONTO SEWER PIPE CO.

Hamilton, Ontario. Limited

Years of Study.

The Patent Bridled Brush that we make is the result of years of careful study—"practice makes perfect." We do not believe it is possible to improve upon its strongest points—painters will see them at a glance, even from the photographs we can send you or the brush itself.

A flexible, liquid-proof bridle, instead of cord or wire that ties bristles up into a hard knot in the centre. A Bridle that comes off and is put on in a second—a Bridle that keeps all flat brushes always flat.

Boeckhs' Bridled Brush for Painters.

BOECKH BROTHERS & COMPANY, Mfrs.
TORONTO, ONT.

This is a fac-simile of our New

Smokeless Powder Calendar

. . JUST PUBLISHED . .

It has been pronounced the most artistic calendar yet . . . published.



Size 16x19 inches. It will be good till June 1901.

We will send this postpaid to anyone sending us, through their local dealer, an order for not less than three hundred shells loaded with Smokeless Powder.

We can supply any make of shells.

LEWIS BROS. & CO.

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30 St. Sulpice Street, **MONTREAL.**

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MANCHESTER, ENGLAND.

EMERY { Cloth / Corn / Flour

We carry all numbers of Corn and Flour Emery in 10-pound packages, from 8 to 140, in stock. Emery Cloth, Nos. OO., O., F., FF., 1 to 3.

JAMES HUTTON & CO., Wholesale Agents for Canada, **Montreal.**

CURRENT MARKET QUOTATIONS

July 21, 1899.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—		
56 and 28 lb. ingots, per lb.	0 33	0 34
Straits	0 33	0 34

Tinplates.

Charcoal Plates—Bright.

	Per box
M.L.S., equal to Bradley.	
I.C., usual sizes	$6 00
I.X., "	7 25
I.X.X., "	8 50
R. & Co.—	
I.C	5 75
I.X	7 00
I.X.X	8 25
Famous—	
I.C.	5 75
I.X.	7 00
I.X.X	8 25
Raven & Vulture Grades—	
I.C., usual sizes	4 75
I.X., "	5 50
I.X.X. "	6 25
I.XXX., "	7 00
D.C., 12½x17	4 25
D.X	5 00
D.X.X	7 00

NOTE.—Other brands might be shaded by 25c per box.

Coke Plates—Bright.

Bessemer Steel—	
I.C., usual sizes	4 35
I.C., special sizes, base	4 50
20x28	8 50

Charcoal Plates—Terne.

Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 00
I.X., Terne Tin	9 25

Charcoal Tin Boiler Plates.

	Per lb.	
Cookley Grade—		
X X., 14x56, 50 sheet bxs	0 06½	0 07
" 14x60 "		
" 14x65, "		

Tinned Sheets.

72x30 up to 24 gauge	0 06¼	0 06¾
" 26 "	0 06¾	0 07
" 28 "	0 07½	0 07¾

Iron and Steel.

	Base	Price
Common Bar, per 100 lbs		2 00
Refined " "		2 30
Horse Shoe	2 15	2 25
Hoop steel, 1½ to 3 in. base, extras for smaller sizes		2 75
Swedish " "	4 00	4 25
Sleigh Shoe Steel " base		2 60
Tire Steel		2 50
Machinery		2 65
Cast Steel, per lb	0 10	0 14
Toe Calk Steel		2 95
Toe Weight Steel		6 10
Thos. Firth & Sons' Cast Steel	0 12	0 14
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker.	2 00	2 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½-inch	0 11
2 "	0 12
2½ "	0 14
"	

Steel Boiler Plate.

¼ inch	3 25
3-16 inch	3 40
⅜ inch and thicker	3 25

Black Sheets.

18 gauge	2 75
20 "	2 75
22 to 24 "	2 85
26 "	2 95
28 "	3 10

Canada Plates.

All dull, 52 sheets	2 75
Half polished	2 85
All bright	3 20

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ⅜ inch, $3 35 ; ½ inch, $1.40 ; ¾ inch, $4.00; 1 inch, $5.50; 1¼ inch, $7.35 ; 1½ inch, $9.25; 2 inch, $12.50. 2½ to 6 inch, discount 45 p.c.

Galvanized, ⅜ inch, $6.00: ½ inch, $6.30 ; ¾ inch, $8.00 1 inch, $11.00 ; 1¼ inch, $15.25 ; 1½ inch, $19.00 ; 2 inch, $27.00.

Galvanized Iron.

	G C. Comet.	Amer.	Queen's Head
16 gauge			4 00
18 to 24 gauge	4 25		4 25
26 "	4 50		4 50
28 "	4 75		4 75

Less than case lots, 25c. per 100 lb. additional.

Chain.

Proof Coil, 3-16 in., per 100 lbs	
" ¼ " "	6 75
" 5-16 " "	4 75
" ⅜ " "	4 30
" 7-16 " "	4 15
" ½ " "	3 05
" ⅝ " "	3 85
" ¾ " "	3 75
Trace, per doz. pairs	3 60 5 90
Jack chain, iron, single, per doz. yards	0 13 0 50
Jack chain, double, per doz. yards	0 15
Jack chain, brass, single, per doz. yards	20 10

Copper.

Ingot.

English B. S., ton lots	0 20 0 21
Lake Superior	

Bolt or Bar.

Cut lengths, round, ½ to ⅞ in.	0 23½ 0 25
" round and square 1 to 2 inches	0 23½ 0 25

Sheet.

Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 23 0 23½
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 23 0 23½

NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.

Tinned copper sheets	0 26
Planished	0 32

Braziers. (In sheets.)

4x6 ft. 25 to 30 lbs. ea., per lb.	0 25½
" 35 to 45 " "	0 24½
" 50-lb. and above, "	0 23½

Boiler and T. K. Pitts.

Plain Tinned, per lb	0 28
Spun, per lb	0 32

Brass.

Roll and Sheet, 14 to 30 gauge, 5 per cent.	
Sheets, hard-rolled, 2x4	0 24 0 25
Tubing, base, per lb	0 24 0 25

Zinc Spelter

Foreign, pe lb	0 07½ 0 07¼
Domestic "	

Zinc Sheet.

5 cwt. casks	0 08¼
Part casks	0 08½

Lead.

Imported Pig, per lb	0 04½ 0 04¾
Domestic, per lb	
Bar, 1 lb	05½
Sheets, 2½ lbs. sq. ft., by roll.	0 05 05¼
Sheets, 3 to 6 lbs., per sq. ft., by roll	0 04¾ 0 05

NOTE.—Cut sheets ½ cent per lb. extra Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 20 per cent. discount

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths, lists at 7½ cents.

Shot.

Net list ; no discount.

Soil Pipe.

Discount, 50 and 10 per cent.

Solder.

	Per lb.	Per lb.
Bar half-and-half	0 20	0 21
Refined	0 19	0 20
Wiping	0 17	0 18

NOTE.—Prices of this graded according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 11 0 11½

White Lead.

	Per cwt.
Pure, Assoc. guarantee, ground in oil, 25 lb. irons	6 12½
No. 1 do	5 74½
No. 2 do	5 37½
No. 3 do	5 00
No. 4 do	4 62½
Robertson's Chemically Pure	6 12½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B. B. Genuine	8 12½
" No. 1	7 25
James' genuine	7 20
" " No. 1	6 75

White Zinc Paint.

Elephant Snow White	0 08
Pure Whiie Zinc	0 08
No. 1	0 06
No. 2	0 05

Dry White Lead.

Pure, casks	0 05½
Pure, kegs	0 05⅝
No. 1, casks	0 04⅞
No. 1, kegs	0 05⅛

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)

Pure, per gallon	1 00
Second qualities, per gallon	0 90
Barn (in bbls.)	0 70 0 90
The Sherwin-Williams Paints	1 20
Canada Paint Co's Pure	1 10 1 20
Robertson's Pure	1 00 1 10
Sanderson Pearcy's Pure	1 00 1 10

Colors in Oil.

(25 lb. tins, Standard Quality.)

Venetian Red, per lb	0 05
Chrome Yellow	0 11
Golden Ochre	0 06
French "	0 05
Marine Black	0 09
" Green	0 09
Chrome "	0 08
French Imperial Green	0 19

Colors, Dry.

Yellow Ochre (J. C.) bbls. per cwt	1 35 1 40
Yellow Ochre (J.F.L.S.), bbls. per cwt	2 75
Yellow Ochre (Royal), per cwt	1 10 1 15
Brussels Ochre	2 00
Venetian Red (best). per cwt.	1 80 1 90
English Oxides, per cwt	3 00 3 25
American Oxides, per cwt	1 75 1 90
Canadian Oxides, per cwt	1 75 1 90
Burnt Sienna, pure, per lb	0 10
" Umber, " "	0 10
do aw	0 09
Drop Black, pure	0 09
Chrome Yellows, pure	0 18
Chrome Greens, pure. per lb.	0 12
Golden Ochre	0 03¾
Ultra marine Blue in 28-lb boxes, per lb	0 08 0 24
Fire Proof Mineral, per 100 lb.	1 00
Genuine Eng. Litharge, per lb	0 07
Mortar Color, per 100 lb.	1 25
James' Gen. Red Lead, 100 lb	0 04⅞
Pure Indian Red, No. 45, lb.	0 08
Whiting, per 100 lb.	0 55

Paris Green.

250 lb. casks	0 13½
50 lb. drums	0 14
1 lb. packages	0 15
½ lb. "	0 16½
1-lb. tins	0 15½

Sulphate of Copper.

Casks, for spraying, per lb.	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bladders in bbls	1 80
Bladders in 100 or 200 lb. kegs or bxs	1 95
Bulk in bbls., per 100	1 65
Bulk in less quantities	1 80
25-lb. tins, 4 in case	2 05
12½-lb. tins, 8 in case	2 30

Quotations f.o.b. Toronto—10c. per 100 lbs. extra Hamilton, London, Guelph. For quantities less than 100-lbs., 2½c. per lb.

Varnishes.

(In 5-gal. lots.).	Per gal.
Carriage, No. 1	1 30 1 40
Extra do.	1 50 1 60
Body Varnish	3 40 3 50
Furniture Varnish	0 50 0 60
Extra do.	1 00 1 10
Demar Varnish	1 50
Hard Oil Finish	1 30 1 35
Orange Shellac Varnish	2 00 2 10
White Shellac	2 20 2 25
Rubbing Varnish	2 00
Brown Japan	0 75
Elastic Oak	1 20 1 30

Linseed Oil.

Raw, per gal. net	0 57
Boiled, per gal. net	0 60

Outside points 1c. more than above figures

Turpentine.

1 to 4 barrels, net	0 64

Outside points 1c. more

Castor Oil.

In cases, per lb	0 09
Small lots	0 10

Cod Oil, Etc.

Cod Oil, per gal.	0 50 0 55
Pure Olive	1 20
" Neatsfoot	90

Glue.

(In bbls.)

Common	0 08½ 0 09
French Medal	0 12 0 12½
Cabinet, sheet	0 11 0 12
White, extra	0 16 0 18
Gelatine	0 22 0 30
Strip	0 16 0 18
Coopers	0 19 0 20
A1 clear	0 09

HARDWARE.

Ammunition.

Cartridges.

B. B. Caps. Dom., 50 and 5 per cent.
Rim Fire Pistol, dis. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18 p.c. Amer.

IT PAYS TO BUY THE BEST.



This Trade Mark is on every Tag.

Plymouth Twine

is in every particular the best and most satisfactory Binder Twine made.

"PLYMOUTH" is cheapest because it is best, and goes farthest.

DISTRIBUTERS, PLYMOUTH BINDER TWINE AGENCY, 54 Bay Street, TORONTO.

Central Fire Cartridges, pistol sizes, Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.
Brass Shot Shells, 55 and 10 per cent.
Primers, Dom., 80 per cent.

Wads.

	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 33⅓ per cent.

Anvils.

Per lb	0 10	0 12½
Anvil and Vice combined each	....	4 50
Wilkinson & Co.'s Anvils..lb.	0 09	0 09½
Wilkinson & Co.'s Vices..lb.	0 09¾	0 10

Augers.

Gilmour's, discount 50 and 10 p.c. off revised list.

Hollow, Stearn's, per dozen..	13 00	20 00
Adjustable, Stearn's, each..	4 50	6 50
Post-hole, Vaughan's, each..	60	90

AXES.

Splitting Axes	5 25	5 50
Chopping Axes—		
Single List, per doz	8 00	12 00
Double List, "	11 00	18 00

Bench Axes, 40 and 15 p.c.
Broad Axes, 33⅓ per cent.

Hunters' Axes	5 25	5 50
Boy's Axes	5 75	6 75

Bath Tubs.

Zinc	3 90	4 00

Copper, discount 40 and 10 p.c. off revised list
Steel clad, 20 per cent. discount off revised list. Boxing extra.

Anti-Friction Metal.

"Tandem" A	per lb.	0 23
" B	"	0 19
" C	"	0 11½

Magnolia Anti-Friction Metal, per lb. 0 25
F. O. B. New York or Chicago.

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent.

Door.

Gongs, Sargant's	5 50	8 00

" Peterboro', discount 50 per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00

Blacksmiths', discount 60 per cent.

Belting.

Extra, 50 per cent.
Standard, 50 and 10 to 50, 10 and 5 per cent.
Agricultural, 60 and 10 p.c.

Bits.

Auger.

Gilmour's, discount 50 and 10 per cent
Rockford, Common, 70 to 70 and 10 per cent.
" Perfection, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent.

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind Rollers.

Annex, per doz	1 25	1 75
Mascott, "	1 35	1 85
Erminie, "	1 00	0 00

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Norway Bolts, full square	65
Common Carriage Bolts, 5-16 & under	55
" " " ⅜ and larger	50
" " " full square	65
Machine Bolts, all sizes	55
Coach Screws	67½
Sleigh Shoe Bolts	72½
Blank Bolts	55
Bolt Ends	62½
Nuts, square	3¾c
Nuts, hexagon	4¼c.
Tapping Nuts	60
Tire Bolts	60 and 10
Stove Bolts	60 and 10

Boot Calks.

Small and medium, per M	4 50	
Small heel, per M	4 25	

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent.

Henis, No. 8, "		6 00
Henis, No. 9, "		7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Plain building, per roll	0 28
Tarred lining, per roll	0 35
Tarred roofing, per 100 lb	1 40
Coal Tar, per barrel	3 75
Pitch, per 100-lb	0 60
Carpet felt, per 100 lb	2 25

Bull Rings.

Copper, $1.50 for 2½ in. and $2 for 2 in.

Butts.

Brass.

Wrought Brass, dis., 10 p.c. revised list.

Cast Iron.

Loose Pin, dis., 60 to 60 and 10 per cent.

Wrought Steel.

Fast Joint, dis. 70 and 10 per cent.
Loose Pin, dis. 70 and 10 per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.
Gen. Bronzed, per pair 0 40 0 65

Cards.

Horse, per doz	0 60	1 00

Carpet Sweepers.

Bissell, per doz		22 50
World, "		21 75
Daisy, "		24 00
Star, "		18 00
Crown Jewel, per doz		29 00
Grand Rapids, "	24 00	33 00

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	2 65	2 90
English "		3 00
Belgian "		2 70
Canadian hydraulic	1 00	1 10

Figures are for barrel lots.

Chalk.

Carpenters, Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket. Framing and Firmer.

Broad's, dis. 70 and 5 per cent.
Warnock's, dis. 40 and 10 per cent.

Churns.

Revolving Churns, metal frames—No. 0, $3—No. 1, $3.25—No. 2, $3.40—No. 3, $3.75—No. 4, $4.50—No. 5, $5.90 each. Ditto, wood frames—15c. each less than above. Terms 4 months or 3 p.c. off 30 days, f.o.b.

Clips.

Axle dis. 65 per cent.

Closets.

Washout, plain	3 75	
" embossed	4 00	
Connections	1 10	

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 20 per cent. from factory.

Dies.

Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. per cent.

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Broad's, dis. 75 per cent.
Warnock's, dis. 50 and 10 per cent.

Drills.

Hand and Breast.

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.

Stovepipe.

Per doz	0 85	1 70

FACTORY MILK CANS.

Discount off revised list, 45 per cent.

FILES.

Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Jowitt's, English list, 25 to 27½ per cent
Mechanics' Star & File Mfg. Co. Discount 60 and 10 to 70 per cent.

FORKS.

Hay, manure, etc, dis., 60 and 10 to 60 and 5 p. c. revised list.

FREEZERS

Ice Cream.

White Mountain, 1 to 25 qt	1 35	13 50
Arctic, dis. 50 p.c.		

FRY PANS.

Acme, dis. 65 to 67½ per cent.

FRUIT PRESSES.

Henis', per doz	3 25	3 50

Shepard's Queen City, dis. 15 per cent.

GAUGES.

Marking, Mortise, Etc.

Stanley's, dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

GLASS.

Window.

Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	Double Diamond Per 50 ft.	Double Diamond Per 100 ft.
Under 26	2 00	3 75	3 20	6 00
26 to 40	2 15	4 05	3 40	6 65
41 to 50	...	4 50	....	7 00
51 to 60	....	4 75	....	8 25
61 to 70	....	5 10	....	9 00
71 to 80	....	5 50	....	10 00
81 to 85	....	6 10	....	11 50
86 to 90	....	7 25	....	13 50
91 to 95	....	....	....	15 00
96 to 100	....	....	....	18 00
101 to 105	....	....	....	20 50
106 to 110	....	....	....	23 50

HALTERS.

Rope, ⅜ per gross	8 25	8 55
" ½ "	9 25	6 50
" ⅝ "	11 00	11 20
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis 5 to 10 per cent. Can. dis. 25 to 27½ per cent.

Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz., net	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pair	0 40	2 50

Fork.

C. & B., dis. 45 per cent. rev. list.

Hoe.

C. & B., dis. 45 per cent. rev. list.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 45 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾	0 20

HANGERS.

Door, 4 and 5 inch, per pair	0 40	0 50

Lane's, 62½ per cent.

HARVEST TOOLS.

Discount, 60, 10, and 5 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent.

HINGES.

Blind, Parker's, dis. 60 and 10 to 65 per cent
" Shepard's Noiseless, dis. 60 per cent.
" " Buffalo, dis. 60 to 70 p. c.

Heavy T and strap, 4-in., per lb		0 05
" " 5-in., "		0 04¾
" " 6-in., "		0 04½
" " 8-in., "		0 04¼
" " 10-in., "		0 04
Screw hook and hinge—		
3 to 12 in., per 100 lbs		3 75
14 in. up, per 100 lbs		3 00
		Per gro. pair
Spring		8 50

HOES.

Garden, Mortar, etc., dis 60, 10 and 5 p.c.		
Planter, per doz	4 00	4 50

HOOKS.

Cast Iron.

Bird Cage, per doz	0 50	1 10
Clothes Line, per doz	0 27	0 63
Harness, per doz	0 72	0 88
Hat and Coat, per gross	1 00	3 00
Chandelier, per doz	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.

Hat and Coat, discount 60 per cent.
Belt, per 1,000 ..... 0 60 0 70
Screw, bright, dis. 65 and 10 per cent.

HORSE NAILS.

"C" brand 50 p.c. dis. } Oval head.
"M" brand 50 p.c. }

Acadian, 50 and 20 p.c., countersunk head.

HORSESHOES.

Iron Shoes.	F.O.B. Toronto. No. 2 and larger.	No. 1. and smaller.
Light, medium, and heavy	3 60	3 85
Snow shoes	3 85	4 10
Steel Shoes.		
Light	4 00	4 25
Featherweight (all sizes)	5 25	5 25

JAPANNED WARE.

Discount, 50 per cent. off list, June, 1899.

ICE PICKS.

Star, per doz	3 00	3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb 0 30 0 35
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 50 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz		0 90
Bronze, Berlin, per doz	2 75	3 25
Bronze Genuine, per doz	6 00	9 00
Shutter, porcelain, F. & L. screw, per gross	1 30	4 00

KNIVES.

Clauss, bread, cake, and paring knives, $7 00 doz. sets net, to 10 per cent.
Christie, bread, cake, and paring knives, $7 00 doz. sets, with 10 p.c. off.
Hay knives, spear point, L. or T handle, 60 10 and 5 per cent.

Lightning, per doz	6 50	8 40
Health's, $7.75 net.		

LANTERNS.

Cold Blast, per doz	7 00
No. 3 "Wright's"	8 00

LEMON SQUEEZERS.

	per doz.	
Porcelain lined	2 20	5 60
Galvanized	1 87	3 85
King, wood	2 75	2 90
King, glass	4 00	4 50
All glass	1 20	1 30

LINES.

Fish, per gross	1 05	2 50
Chalk "	1 90	7 40

LOCKS.

Canadian, dis. 50 p.c.
Russell & Erwin, per doz 2 00 2 20

Cabinet.

Eagle, dis. 30 p.c.

Padlock.

English and Am., per doz	50	6 00
Scandinavian "	1 00	2 40

Eagle, dis. 15 to 17½ p.c.

MACHINE SCREWS.

Iron and Brass.

Flat head, discount 25 p.c.
Round Head, discount 20 p.c.

MALLETS.

Tinsmiths', per doz	1 25	1 50
Carpenters', hickory, per doz	1 25	3 75
Lignum Vitae, per doz	3 85	5 00
Caulking, each	60	2 00

MATTOCKS.

Canadian, per doz	8 50	10 00
American, 60 and 10 p.c. off list.		

MEAT CUTTERS.

American, dis. 30 to 32½ p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2d. and 3d	$3 25	$3 75
3d	2 90	3 40
4 and 5d	2 85	3 15
6 and 7d	2 65	3 05
8 and 9d	2 40	2 90
10 and 12d	2 35	2 85
16 and 20d	2 30	2 80
30, 40, 50 and 60d. (base)	2 25	2 75

Steel Cut Nails 10c. extra.

NAIL PULLERS.

German and American	1 85	3 50

NAIL SETS.

Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.

Poultry, 40 per cent. for McMullen's.

OIL.

Canada refined (Toronto)		0 13½
Sarnia Water White		0 15
" Prime Water		0 14
American w. w.		0 16½
Pratt's Astral		0 18

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz	0 00	10 00
Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz	1 25	3 50
Brass, "	1 50	3 50
Malleable, dis. 25 per cent.		

PAILS.

	per doz.
Galvanized, straight pattern No. 12	2 00
Galvanized, straight pattern No. 14	2 25
Galvanized, straight pattern No. 16	2 55
Flaring pattern, No. 11	2 25
" " No. 12	2 50
" " No. 13	2 85
" " No. 14	3 30

PIECED WARE.

Discount, 45 per cent. off list, June, 1899.

PICKS.

Per doz	6 00	9 00

PICTURE NAILS.

Porcelain head, per gross	1 40	3 00
Brass head, "	0 40	1 00

PLANES.

Wood, bench, Canadian dis. 55 per cent. American dis. 55.
Wood, fancy Canadian or American, 37½ to 40 per cent.
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.
Miscellaneous, dis. 25 to 27½ per cent.
Bailey's Victor, 25 per cent.

PLANE IRONS.

English, per doz	2 00	5 00

PLIERS AND NIPPERS.

Button's Genuine, per doz pairs, dis. 37½ 40 p.c.		
Button's Imitation, per doz	5 00	9 00
German, per doz	0 60	2 60

PULLEYS.

Hothouse, per doz	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS

Canadian cistern	1 40	2 25
Canadian pitcher spout	1 15	2 00

PUNCHES.

Saddlers', per doz	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set	0 00	0 72
" hollow, per inch	0 00	1 00

RAKES.

Cast steel and malleable Canadian, list dis. 60, 10 and 5 p.c. revised list.
Wood, 25 per cent.

RASPS AND HORSE RASPS.

New Nicholson horse rasp, discount 60 p.c.
Globe File Co.'s rasps, 60 and 10 to 70 p.c.
Heller's Horse rasps, 50 to 50 and 5 p.c.

RAZORS.

	per doz.
Geo. Butler & Co.'s	8 00 18 00
Boker's	7 50 11 00
Wade & Butcher's	3 60 10 00
Theile & Quack's	7 00 12 00

REAPING HOOKS.

No. 2	$2 00
No. 3	2 05
No. 4	2 15
No. 5	2 20

RIVETS AND BURRS.

Carriage, Section, Wagon Box Rivets, etc. (Steel), 60 p.c.
Carriage, Section, Wagon Box Rivets, et (Norway Iron), 55 p.c.
Black M. Rivets (Steel), 45 p.c.
Black and Tinned Rivets, 60 p.c.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets & Burrs, 35 p.c. dis., and cartons, 1c. per lb. extra, net.
Extras on Tinned or Coppered Rivets in ½-lb. cartons, 1c. per lb.
Burrs, iron or steel, 40 per cent.
Terms, 4 mos. or 3 per cent. cash 30 days.

RIVET SETS.

Canadian, dis. 35 to 37½ per cent.

ROPE, ETC.

	Sisal.	Manila.
7-16 in. and larger, per lb.	10½	12
⅜ in	11	12½
¼ and 5-16 in.	11½	13
Cotton		13
Russia Deep Sea		14½
Jute		6¾ 7½
Lath Yarn		8¾
New Zealand Rope		9½

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

Mrs. Potts, per set		0 67½
" N. P., per set		0 80

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 2½ per cent.
Emery, 40 per cent.

SASH CORD.

Per lb	0 20	0 50

SASH WEIGHTS.

Sectional, per 100 lbs	1 40	1 75
Solid, "		1 25

SAWS.

Hand, Disston's, dis. 12½ to 15 p.c.
S. & D., 40 per cent.
Crosscut, Disston's, per ft | 0 35 | 0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.

Hack, complete, each	0 75	2 75
" frame only		0 75

SAW SETS.

"Lincoln," per doz	5 50	6 00

SCALES

Gurney Scales, 45 p.c.
B. S. & M. Scales, 45 p.c.
Champion, 55 per cent.
Fairbanks Standard, 45 p.c.
" Dominion, 60 p.c.
" Richelieu, 60 p.c.
Chatillon Spring Balances, 25 p.c.

SCREENS.

Door, patent, per doz	6 00	12 00
Window, per doz	2 00	3 00

SCREW DRIVERS.

Sargent's, per doz	0 65	1 00

SCREWS

Wood, F. H., iron, and steel, 82½ and 5 p.c.
Wood R. H., " dis. 75 and 5 p.c.
" F. H., brass, dis. 75 and 5 p.c.
Wood, R. H., " dis. 67½ and 5 p.c.
" F.H., bronze, dis. 67½ and 5 p.c.
" R.H. 62½ and 5 p.c.
Drive Screws, 82½ and 5 per cent.

Bench, wood, per doz	3 25	4 00
" iron, "	4 25	5 75

SCYTHES.

Discount, per doz. net	4 50	6 00

SCYTHE SNATHS.

Canadian, dis. 50 p.c.

SHEARS

Seymour's, dis. 50 and 10 p.c.
Heinisch, dis. 50 and 10 p.c.
Clauss, full nickel, 50 and 10 p.c.
" japanned handles, 67½ p.c. off.
Seymour or Heinisch tailor shears, 15 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SNAPS.

Harness, German, dis. 35 to 37½ p.c.		
Acme	3 00	5 00
Lock, Andrews'	4 50	11 50

SOLDERING IRONS.

1, 1½ lb., per lb	0 37
2 lb. or over, per lb	0 34

WROUGHT SPIKES.

Discount, 35 to 40 per cent.

SQUARES.

Iron, per doz	1 65	2 90
Steel, dis. 70 per cent., revised list.		
Try and bevel, dis. 50 to 52½ p.c.		

STAMPED WARE.

Plain, dis., 75 and 12½ p.c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized	3 25
Bright	3 00

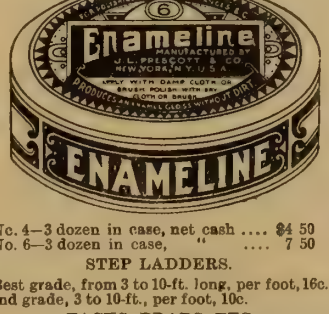
STOCKS AND DIES.

American dis. 25 p.c.

STONE.

	Per lb,	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador		0 13
" Axe		0 15
Turkey		0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, per ton	15 00	18 00

Stove Polish.



No. 4—3 dozen in case, net cash	$4 50
No. 6—3 dozen in case, "	7 50

STEP LADDERS.

Best grade, from 3 to 10-ft. long, per foot, 16c.
2nd grade, 3 to 10-ft., per foot, 10c.

TACKS BRADS, ETC.

	Per cent.
Strawberry box tacks, bulk	75 and 10
Cheese-box tacks, blued	85
Trunk tacks, black and tinned	85
Carpet tacks, blued and tinned	80
" " (in kegs)	40
Cut tacks, blued, in dozens only	75 and 5
" ¼ weights	60
Swedes, cut tacks, blued and tinned—	
In bulk	80 and 12½
In dozens	75
Swedes, upholsterers', bulk	85
" brush, blued and tinned, bulk	50
" gimp, blued, tinned & japanned	75
Zinc tacks	30
Leather carpet tacks	60
Copper tacks	50
Copper nails	52½
Trunk nails, black and tinned	70
Clout nails, blued and tinned	70
Chair nails	40
Cigar box nails	40
Patent brads	45
Fine finishing	45
Picture frame points	20
Lining tacks, in papers	10
" " in bulk	15
" " solid heads, in bulk, 75 and 12½	
Saddle nails in papers	10
" " in bulk	15
Tufting buttons, 22 line, in dozens only	60
Tin capped trunk nails	15
Zinc glazier's points	5
Double pointed tacks, dozens	85 and
" " " bulk	40

TAPE LINES.

English, ass skin, per doz	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TINWARE.

Stamped, dis., Asso. list, 80 per cent.
Japanned, prices on application.
Pieced, prices on application.

TRANSOM LIFTERS.

Payson's per doz	2 60

TRAPS. (Steel.)

Game, Newhouse, dis. 40 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's, discount 10 per cent.

German, per doz	4 75	6 00
Brade's "	5 00	10 50

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb		0 21
Wrapping, mottled, per pack.	0 50	0 60
Wrapping, cotton, per lb	0 17	0 18
Mattress, per lb	0 33	0 45
Staging, "	0 27	0 35
Broom, "	0 30	0 55

VISES.

Hand, per doz	4 00	6 00
Bench, parallel, each	2 00	4 50
Coach, each	6 00	7 00
Peter Wright's, per lb	0 12	0 13
Pipe, each	5 50	9 00
Saw, per doz	6 50	13 00

WIRE.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Smooth Steel Wire, base, $2.70 f.o.b. factory points List of extras: Nos. 2 to 5, advance 7c. per 100 lb.—Nos. 6 to 9, base—No. 10, advance 7c.—No. 11, 14c.—No. 12, 20c—No. 13, 35c.—No. 14 47c.—No. 15, 60c.—No. 16, 75c. Extras net per 100 lb.: Coppered wire, 60c.—tinned wire, $2—oiling, 10c.—special hay-bailing wire, 30c.—spring wire, $1—best steel wire, 75c.—bright soft drawn, 15c.—in 50 and 100-lb. bundles net, 10c.—in 25-lb. bundles net, 15c.—packed in casks or cases, 15c.—bagging or papering, 10c.
Fine Steel Wire, discount 2 per cent. factory. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, $7.65—No. 24, $8—No. 25, $9—No. 26, $9.50—No. 27, $10—No. 28 $11—No 29, $12—No. 30, $13—No. 31, $14—No 32, $15 No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31, $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.40—No. 9, $2.90—No. 10, $3.50—No. 11, $3.55—No. 12, $3.05—No. 13, $3.15—No. 14, $3.90—No. 15, $4.50—No. 16, $4.65.

Broom Wire, per lb	0 05	0 05½
Clothes Line Wire, 19 gauge, per 1,000 feet	2 75	3 00

WIRE FENCING.

	F.O.B Toronto
Galvanized, 4 barb, 2¼ and 5 inches apart	3 25
Galvanized, 2 barb, 4 and 6 inches apart	3 25
Galvanized, plain twist	3 25

Terms, 2 per cent. in 10 days.

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net	1 75

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 70 to 70 and 10 p.c.
Standard, dis. 60, 60 and 10 per cent.
Coe's Genuine, dis. 30 to 32½ p.c.
Diamond, dis. 33⅓ to 35 per cent.

Towers' Engineer, each	2 00	7 00
" S., per doz	5 80	6 00
G. & K.'s Pipe, per doz		3 40
Burrell's Pipe, each		3 00
Pocket, per doz	0 25	2 90

WRINGERS.

Leader, per doz.	$60 00
Royal Canadian "	58 00
Royal American "	48 00

Discount, 45 per cent.; terms 4 months, or 3 p.c. 30 days. Prices are f.o.b. London, Hamilton, Toronto, Brockville or Montreal.

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As long as there are failures, subjects that furnish information how to prevent them will always be timely. We have published, in pamphlet form, three admirable papers on the above topic, in which Over-Stocking, Expense, Capital, Credit, Discounts, Buying, etc., etc., are ably discussed. We will mail the whole three essays to any address on receipt of **10 cents**

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—and—

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Manufacturers of

1, 2, 3 Bushel

Grain

AND

Root

BASKETS

THE OAKVILLE BASKET CO.

HAM & NOTT MFG. CO.

Limited

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BRANTFORD.



Manufacturers of Refrigerators, Screen Doors, Screen Windows, etc. Household Refrigerators in four lines, Grocers' Refrigerators two lines, Screen Doors six lines, Screen Windows three lines. All in various sizes. Our aim is to make first-class goods at the right prices, and to deal fairly with all having dealings with us. Send for 1899 catalogue.

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ESSEX HANDLE and WOOD TURNING WORKS.

Late of Essex, now LEAMINGTON, ONT.

Makers of Axe, Fork, Rake, Hoe, Sledge, Broom, Hammer, and all kinds of Handles. Neck Yokes, Singletrees, and Doubletrees, Bench Saws, Exercise Clubs, Baseball Bats, etc., etc. Do you sell any Shaved Pattern and Octagon Axe Handles? The largest and best trade in Canada does, because they give best satisfaction. **All stock air-dried,** not kiln-dried. If you are going to be in it, place your order with

GARDNER BROS. & CO.

CHAS. F. CLARK, President. JARED CHITTENDEN, Treasurer.

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THOS. C. IRVING, Superintendent.

PERFECTION AUTOMATIC REVOLVER.



NEW Automatic shell extracting, double action, small frame. Weighs 12 oz. Rebounding lock. 32 caliber. 5 shot.

Made with shorter barrel for bicycle use.

The most perfect small pistol made.

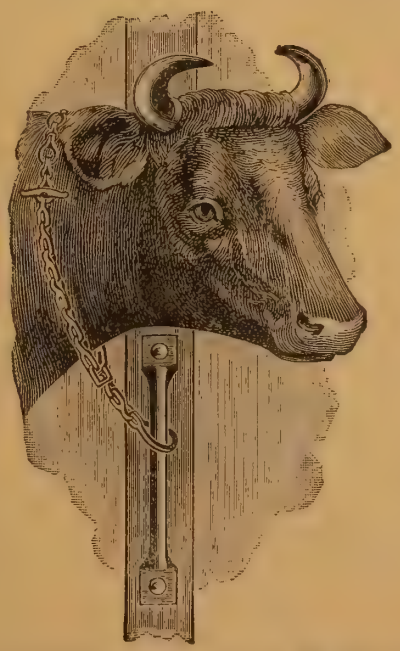
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Forehand Arms Co.

Manufacturers of the

Forehand Guns

Worcester, Mass.



Dominion Pattern

Cow Tie AND Stall Fixture

The special features of the tie and stall fixture are well shown in the illustration. As will be noticed the chain is very short which prevents all danger of entanglement with the animal's foot. At the same time the form of the fixture is such that great freedom is allowed to the head. Because of the short chain this tie is much cheaper than the ordinary patterns.

The stall fixture is made from a tough quality of steel and is very strong. Also, owing to its circular cross-section, it is exceedingly rigid. Its simplicity, convenience, cheapness, and ease of attaching make it very popular with cow tie users.

This form of tie and stall fixture are sometimes called Niagara pattern.

American or Flat Link Chain,

for years the standard cow tie chain in "the States," is now rapidly coming in favor in Canada. Its short link, handsome appearance and smooth surface—which cannot injure the animal's neck—make it superior to all other styles of chain for cow ties.

For sale by all Jobbers; manufactured by

ONEIDA COMMUNITY, Limited, NIAGARA FALLS, ONT.



Est. 1863 Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve 

Medals

Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895



HAVE YOU TRIED IT?



"PYRAMID" BRAND



BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM
HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

Sole Manufacturers:

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

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EDDY'S WRAPPING PAPERS

possess a peculiar toughness adapting them for the HARDWARE TRADE.

The long fibre we make them of is responsible for this.

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Langwell's Babbitt
--Montreal.

CANADIAN
HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XI. MONTREAL AND TORONTO, JULY 29, 1899. NO. 30

Magnolia Metal

Best Anti-Friction Metal for all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up in bars, of which this is a

FAC-SIMILE.



The name and trade mark appear on each box and bar, and besides this, the words "Manufactured in United States" and "Patented June 3, 1890" are stamped on the under side of each bar.

MAGNOLIA METAL COMPANY

LONDON OFFICE—49 Queen Victoria St.
CHICAGO OFFICE—Fisher Building, 281 Dearborn Street.
CANADIAN OFFICE—524 Board of Trade Building, Montreal.

Owners and Sole Manufacturers,
266 and 267 West St., New York

Black Sheets

Not the cheap trash so largely imported, but first-class Iron and Steel Sheets, dead flat or ordinary finish, and all fit for the most particular work.

Makers of "QUEEN'S HEAD" Galvanized Iron.

JOHN LYSAGHT, Limited
BRISTOL, ENG. MONTREAL.

Contractors Make Money

when they install the Safford Patent Radiators for hot water and steam heating. And they make *good* money, too. The Dollars and Cents profit is only part of it—the customer's satisfaction and good-will is the other half.

A leaky radiator will injure the business and the reputation of the best contractor in the world—the Safford Radiator is literally "always as tight as a drum." It has screwed nipple connections.

Toronto's City Hall and Court House are fitted throughout with Radiators made by the largest manufacturers of Radiators under the British Flag—

The Safford Radiators.

AGENCIES AT
Montreal, Quebec, St. John, N.B. Winnipeg, Vancouver, London, Glasgow, Edinburgh, Belfast, Antwerp, Berlin, Christiana, Auckland, N.Z., Johannesburg, S.A.R.

The Dominion Radiator Company, Limited
Toronto, Ontario.

RICE LEWIS & SON
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ARTHUR B. LEE, President. *A. BURDETT LEE, V. P. and Treas.*

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.303 CAL.



Hammerless
Smokeless
Six-Shooter

New 1899 Model

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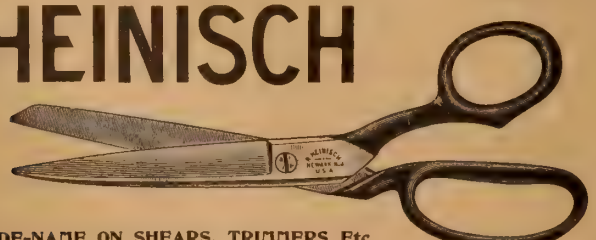
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Established 1825 Important Decision relating to the Established 1825

HEINISCH



TRADE-NAME ON SHEARS, TRIMMERS, Etc.

The U.S. Circuit Court, Southern District of New York, Judge Townsend, has rendered a decision in the suit of "R. Heinisch's Sons Co. vs. Hermann Boker & Co."

"The Complainant is entitled to an accounting, and to an injunction restraining them from using the names 'Heinisch' or 'H. C. Heinisch' on its Shears, Labels, etc., and otherwise in any way which will interfere with Complainant's enjoyment of the benefits of its Trade-name."

Referring to the above decision, we would respectfully state our determination to protect our rights in the premises and warn all persons against any imitation of our Trade-name.

R. HEINISCH'S SONS CO.,

N.Y. OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

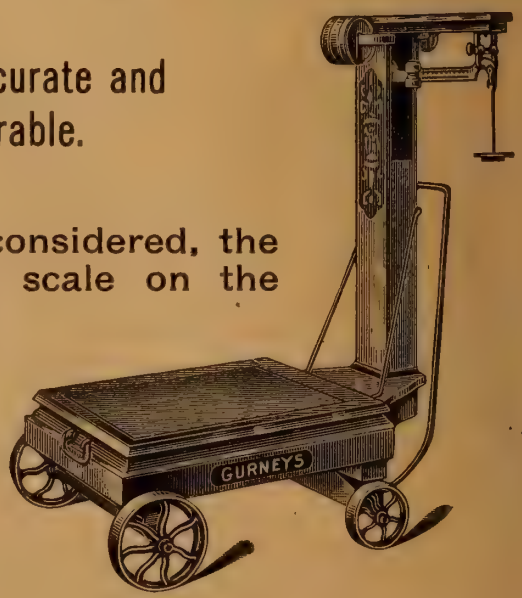
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GURNEY

Accurate and Durable.

Quality considered, the cheapest scale on the market.



THE GURNEY SCALE CO.

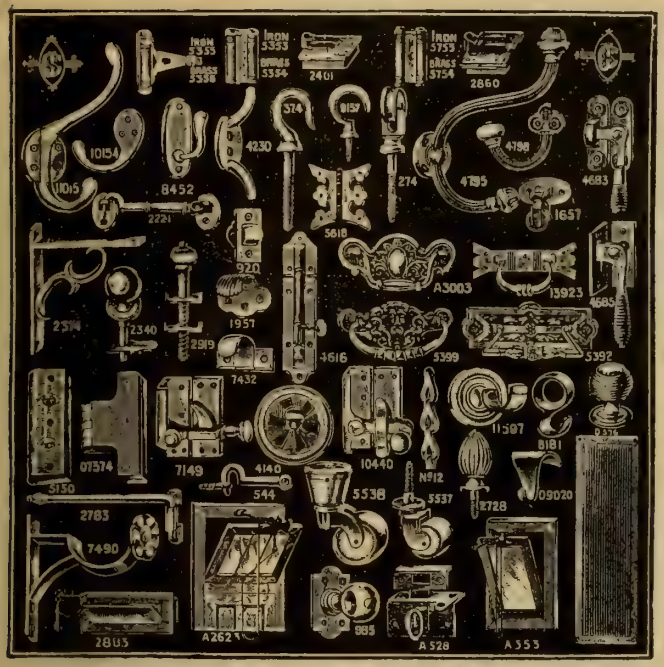
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James Cartland & Son

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BIRMINGHAM, ENGLAND.



London Showrooms: 57 Holborn Viaduct, E.C.

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with these brands are a guarantee in themselves of excellence . . .

Manufactured by

The Canadian Rubber Co.

Of Montreal

Factories and Head Office,

Capital, $1,500,000.00 **MONTREAL**



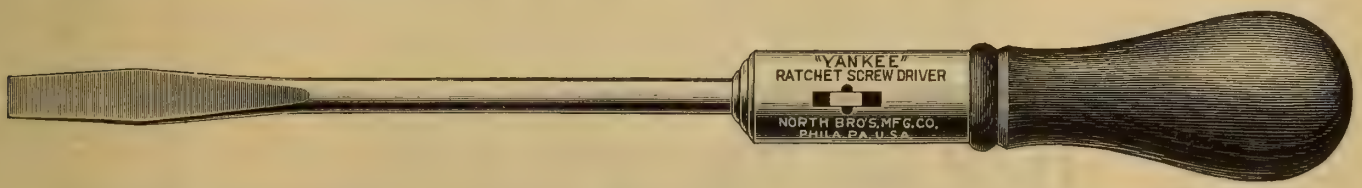
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Samples, Lists, and Discounts.

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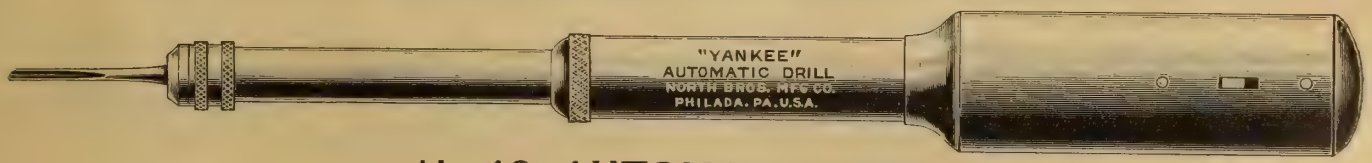
are sold by Leading Jobbers throughout the Dominion.



No. 10 RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch



No. 30 SPIRAL-RATCHET SCREW DRIVER.



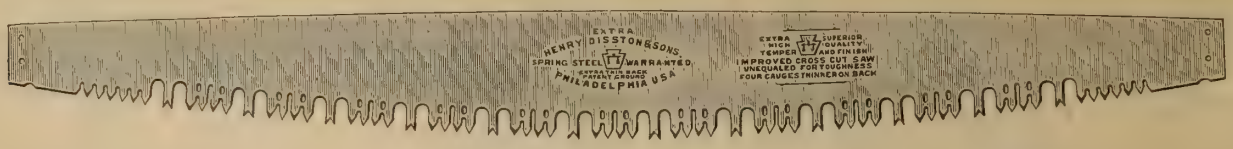
No.40 AUTOMATIC DRILL.

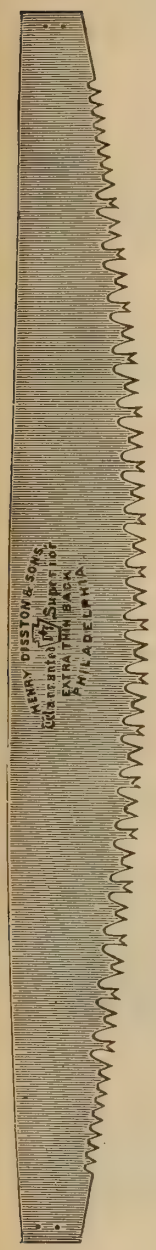
FREE A handsome lithographed and embossed Sign in colors, on tin, to dealers handling these tools. Separate sign for each tool. Write at once which sign is wanted and it will be mailed post paid.

SEND FOR "YANKEE" TOOL BOOK.

North Bros. Mfg. Co.

Philadelphia, Pa., U.S.A.







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Cross=Cut Saws

have the largest
sale of any

SAWS

in the world.

How did they get it ?

Buy one and see.



Lewis Bros. & Co.

30 St. Sulpice street — **Montreal**

HURD'S Celebrated Axes

We are Sole Canadian Agents for

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We want an agent in every town.



If the line of Axes you are handling are not giving you satisfaction, write to us at once, and if we are not represented in your town we shall be glad to enter into arrangements with you to represent us.

THESE ARE THE BEST AXES MADE.

A Trial Order will convince you.

Lewis Bros. & Co.,

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KNOX HENRY.

Heavy Hardware and Metal Broker

Room 220½ Board of Trade, MONTREAL.

SPECIALTIES—C Brand Horse Nails—Canada Horse Nail Co.

BOLTS—Tire and Stove Rivets of all kinds—Chalcraft Screw Co.

BRASS GOODS—Gunn Castor Co., Limited, Birmingham, Eng.

Hardwood CHARCOAL in Bulk or Sacks.

WOOD ALCOHOL equalling Methylated Spirits as a solvent.

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THE STANDARD CHEMICAL CO., Limited

Factories { Fenelon Falls. Deseronto.

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Deseronto Iron Co.

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Manufacturers of

Charcoal Pig Iron

BRAND "DESERONTO."

Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.



STEVENS FINE TOOLS

We make a perfect line of

CALIPERS and DIVIDERS

Also such tools as Surface Gauges, Tool Makers' Clamps, Center Punches, etc.

Write for our New Catalogue containing a description of our Tools. It is also a valuable hand-book of information for mechanics and people interested in such lines.

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Carried by our representatives at Toronto and Montreal.

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ST. MARYS, ONT., CANADA



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"MAXWELL FAVORITE CHURN"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive.

LAWN MOWERS.

High and Low Wheels, from 12-in to 20-in. widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate.

WHEELBARROWS.

In Four different sizes.

If your Wholesale House does not offer you these articles

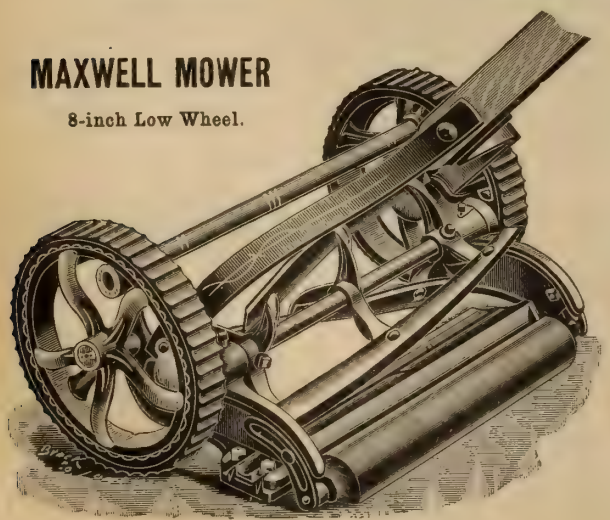
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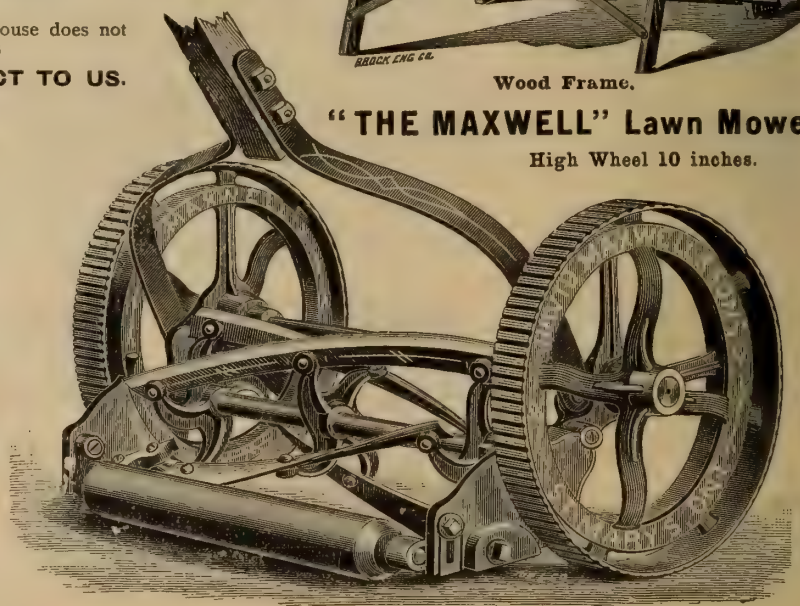
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8-inch Low Wheel.



"THE MAXWELL" Lawn Mower

High Wheel 10 inches.





Returned Aug. 10th 1899.

Coal Hods

Cut shows our 1899 pattern.

No. 170, 17-inch hod. An entirely new design.

BOTTOMS on all our hods are double-seamed on.

Prices on application.

The Thos. Davidson Mfg. Co.

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Stove Boards, Fire Shovels, Stove Pipe, Elbows, etc.



The Leader Lawn Swing

Children's Delight, Satisfying to all, Perfectly Safe, Very Strong, Most Restful and Invigorating.

ORDER NOW.

The Dowswell Manufacturing Co.

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BINDER TWINE.

There is none "just as good."

Pure Manila 650-ft. to the lb.

Blue Ribbon

Special Manila

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Standard

These Twines will not bunch at the knotter, and a Binder will run all day with them without stoppage, thus saving time, annoyance and an endless lot of trouble.

We pack our twine in bags of the size of ordinary grain bags and are not ashamed to put our name upon them. Don't take any other.

Consumers Cordage Company, LIMITED, Montreal.

For "RUSH ORDERS" and the accommodation of our customers we carry a stock at our Toronto Branch; WM. B. STEWART, Agent, 27 Front St. West.

Enameline

The Modern STOVE POLISH



PASTE.



LIQUID.



CAKE.

We present herewith cuts showing the three different forms of package in which Enameline is put on the market. The enormous amount of advertising being done to familiarize housekeepers with the name enables merchants to make quick sales. Don't load up with unknown brands—that's dead stock.

J. L. PRESCOTT & CO., New York.



EMERY

Cloth and Paper.
Glass and Flint Paper.
"Atlas" Brand

"FLORA" Knife Polish, in 3d., 6d. and 1/ tins

Ground, Washed and Flour.

WHEELS of highest quality for general and special purposes.

EMERY GRINDING MACHINERY



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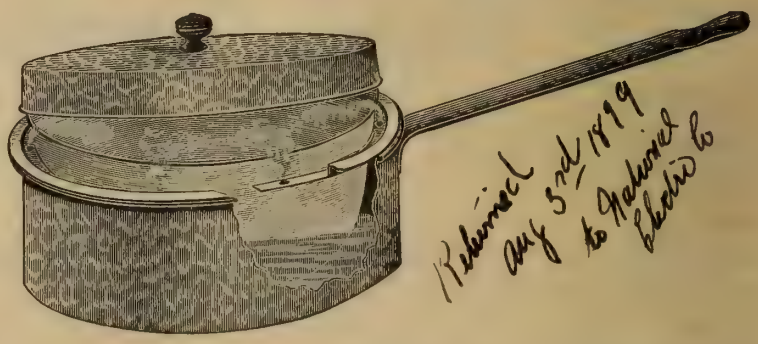
THE LONDON EMERY WORKS CO., 10-12 Vine Street Clerkenwell, LONDON, E.C.

Agent in Canada—MR. T. L. PATON, 30 St. Francois Xavier Street, Montreal, P. O. Box 903.

Kemp's New Patent Steam Cereal Cooker.

A simple, inexpensive kitchen convenience.

Useful in one hundred ways. . . . . .



Returned Aug 3rd 1899 to Peterboro Electric Co

In cereals cooked by this method the kernels are expanded by the steam circulating over them, making them tender, delicate, delicious, and readily digestible.

Made in Diamond and Granite Enameled Steel Ware and Retinned Ware.

Kemp Manufacturing Co., ...TORONTO, CANADA.

HARDWARE AND METAL

Vol. XI. MONTREAL AND TORONTO, JULY 29, 1899. No. 30

President, JOHN BAYNE MacLEAN, Montreal.
Treasurer, HUGH C. MacLEAN Toronto.

THE MacLEAN PUBLISHING CO.
Limited.

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

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Subscription Canada, $2.00 Great Britain, $3.00
Published every Saturday.

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WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

ACTIVITY IN CANADIAN PIG IRON.

IN view of the extraordinary activity which prevails in the pig iron industry of the United States, we are prone to overlook the activity which obtains in the home market.

The furnace at Hamilton, for instance, is very busy, and, what is more, it is likely to be so for some time to come, the entire output of the furnace for this year having been sold.

Last week, The Hamilton Furnace Co. withdrew its quotations, and, this week, it is quoting $21 per ton at the furnace. Orders for delivery the first half of next year have been taken at $20 at the furnace.

It is evident that consumers who have not yet contracted for supplies of Hamilton iron will experience difficulty in getting delivery.

Much the same position obtains in Great Britain and in the United States.

Importers in Canada find it almost impossible to get firm offers from Scotland on Summerlee or any other of the leading brands of British iron.

Cables received in Canada on Tuesday last advised that Scotch warrants had risen to 74s. 6d., and on the following day there was an advance of another shilling, bringing the quotation up to 75s. 6d.

This means that Scotch warrants have advanced 6s. per ton since July 1. The principal brands of Scotch pig iron are selling at 80s. f.o.b. Glasgow.

In the United States the pig iron market continues to advance, while supplies are still scarce.

TURN ON THE LIGHT.

He who thinks that because he has something to sell which people will want there is no need to advertise is not wise.

People will traverse in search of gold regions where never the foot of white man trod, but no man was ever known to make a tour of factories, warehouses and stores in search of something he never heard of before.

It is only after he has seen a thing advertised that he wants it, and if he wants it, he gets it, provided he has the means, and the price is right.

If you have a good thing in your factory, warehouse, or store, do not put it under a bushel; turn the light of advertising upon it.

THE RISE IN TIN.

THERE has been a most phenomenal rise in pig tin since the first of the present month.

When the month opened spot tin was quoted at £123 10s. at London, and £124 at Singapore.

To-day, £140 10s. is asked for it at Singapore, and £142 2s. 6d. at London. In New York it has risen in the same interval from $27.60 to $31.50. It is not surprising, therefore, considering this great advance, that spot prices in Canada have been marked up. As a matter of fact those in Montreal were slow, rather than prompt, in responding to the outside conditions.

Tin to-day is almost £70 above where it stood in London at the same time last year, and $11.80 higher in New York than the low point since January 1, 1899.

The statistical position of the metal continues to favor strength, the total visible supply on June 30, 1899, being 18,293 tons, as against 19,760 tons on May 31, 1899, and 23,515 tons on June 30, 1898.

Stocks on June 30 were 11,814 tons ashore, as against 14,562 tons in May, and 6,479 tons afloat, as against 5,189 in May.

The higher prices, of course, are leading to increased shipments, which explains the latter item. The Straits shipments, however, during the first half of July were 2,025 tons to all points, as against 2,325 tons in the same period in 1898, a decrease of 300 tons, and, since January 1, of 275 tons, as compared with 1898.

Some difficulty is being experienced in making the glue combination in the United States stick. There are probably too many "watery" members.

BUSINESS MEN AND POLITICAL CORRUPTION.

BOAST as men may of their political independence, there is scarcely one who does not lean towards one or other of the two great parties which have in turn ruled this country.

This is natural. To find a man who can say with truth that there is nothing in the tenets of the Liberal or of the Conservative party that does not arrange his sympathy on the side of the one or the other, we do not believe is possible. The sympathy may not be very pronounced, but it exists to some extent, nevertheless, and to an extent at times sufficient to influence him.

Proof of this is frequently seen in the actions of men who embrace some fad which requires legislation to give it effect. They one and all vow they will not support the candidate of any party which does not promise to fall in with their views; yet, when the test comes, the "independents" dissolve as a party and each marches to the poll under the banner of his respective political party.

What is wanted is not that men shall have no political affinity, but that their affinity for right shall be greater than their affinity for party.

As long as men refuse to do this we may expect to see repeated such disgracefully corrupt acts as those which characterized South Ontario during the general and bye-elections and West Elgin during the bye-election.

What is wanted is not necessarily that men shall forsake party, but the determination that unless the party sets its face decidedly against corrupt acts it cannot have their support, and, in pursuance of this, outsiders must be kept out of the constituencies who are known to be there for no good purpose. Furthermore, party leaders in constituencies, who are honest themselves, must not purposely shut their eyes to what the unscrupulous are doing for political ends.

Not long since the head of a certain local political organization, in a constituency where a great deal of bribery has been practised, told THE CANADIAN GROCER that when a certain worker with a questionable reputation politically came into his constituency to aid his party he had requested him not to acquaint him with what he was doing. "You know," he explained, "I knew that he had not come into our constituency for any good purpose, so I did not want to be mixed up with him. He did this. Consequently, if they put me into the witness box they cannot get anything out of me, for I know nothing."

If, instead of following this course, the local party leader had told this political crook to get out of the constituency, what corruption might not he have prevented.

There is no class that should be more interested in honest elections than the business men of the country. Corrupt elections do not tend to the creation of efficient representatives. Where there is not the latter efficient laws cannot in turn be expected. And what class suffer more as a result of inefficient laws than the business class? None.

Self interest should alone, therefore, be sufficient to stir them up to a sense of their duty.

THE CANADIAN IRON BOUNTIES.

Hon. Mr. Fielding's bill, providing for the gradual abolition of the bounties on iron and steel, came up for its second reading in the Senate on Tuesday last.

A feature of the discussion which took place was the efforts of several of the Senators to have Newfoundland ores considered under the bill the same as domestic ores.

It was pointed out that this could only be done when Newfoundland became a part of the Dominion. The bill was eventually read a second time.

The bill provides for a gradual reduction in the bounties until 1907, when they are to cease altogether.

CANADA'S COAL PRODUCTION.

The production of coal in Canada last year, according to recently published figures, was 3,714,217 tons. This is an increase of nearly 200,000 tons, compared with 1897.

Of the Provinces, Nova Scotia, of course, leads with 2,247,088 tons. The quantity produced in British Columbia, taking into account the output from the Crow's Nest Pass mines, was 1,127,869 tons. The output of the latter mines was 9,954 tons. The output in Manitoba and the Northwest Territories was 332,260 tons, while New Brunswick is estimated to have turned out 7,000 tons.

The production of coal in the Dominion this year is certain to be much larger than in 1898. In British Columbia, the opening of the Crow's Nest Pass railway has not only enabled the coal from the mines of the Pass to be brought to the smelters, but to the Coast as well. Then, of course, in Nova Scotia there are the new iron and steel works in Cape Breton, while the mines in the Province will also profit by the new gas works near Boston.

PRICE OF WOVEN WIRE FENCING.

Some errors crept into the short article in last week's issue in regard to woven wire fencing.

Instead of the price being 7½c. per rod to the retailer it should have read that the advance would be about equal to that amount. The new price list for full rolls of 20 rods is as follows:

List 12—5½ x 10½ inches, No 13 Wire.

				*	*	*
Width in inches	25½	31	36½	42	47½	53
Cents per rod	62	65	67	70	73	76

Best sellers, 42, 47½ and 53 inches.

List 13—4 x 8 inches, No 13 Wire.

					*	*			
Width in inches	22	26	30	34	38	42	46	50	54
Cents per rod	67	70	72	74	77	80	83	87	90

Best sellers, 42 and 46 inches.

List 14—3 x 6 inches, No. 14 and 15 Wire.

						*	*				
Width in inches	20	23	26	29	32	35	41	47	59	71	77
Cents per rod	67	70	73	75	78	81	85	90	1.02	1.15	1.20

Best sellers, 35 and 41 inches. Widths 71 and 77 are ten rods to full roll. *Stock widths.

Half rolls of even ten rods 3c. per rod advance. All odd lengths, 6c. per rod advance.

F.O.B. Hamilton and Montreal. F.O.B. Picton 1c. per rod less.

CAST HARDWARE HIGHER.

Large manufacturers of cast hardware in the United States, such as Sargeant & Co., Peckstowe & Wilcox, Reading Hardware Co., Yale & Town Manufacturing Co., and The Russell & Erwin Hardware Co., have advanced their prices another 10 per cent.

Owing to the scarcity of raw material, still further advances are expected.

GALVANIZED IRON 25c. DEARER.

The strong position of the market for galvanized iron has led to a further advance of 25c. in the quotations of Toronto jobbers.

"Queen's Head" and similar brands are now quoted as follows: 16 gauge, $4.25; 18 to 24 gauge, $4.50; 26 gauge, $4.75; 28 gauge, $5.

The fact that local stocks are light lends strength to the situation.

TRADE IN OTHER COUNTRIES THAN OUR OWN.

CONTRACTS for No. 2 Southern foundry pig iron, delivery next year, were reported to have been made at $19 at furnace.

A ton of pig tin could have been bought in New York a year ago at about $350. Yesterday, the cost per ton was $700, or more.—New York Journal of Commerce, July 27.

THE MIDLAND IRON MARKET.

The iron trade of the Midlands is in the midst of a "boom" such as has not been experienced during the present decade. Employment is plentiful, prices are high and fairly remunerative, capital and labor are working harmoniously, and the prospects are very encouraging. The improvement first began to manifest itself towards the beginning of the year, when, at the April meeting, pig iron was quoted from 6d. to 1s. dearer on the quarter. Having thus begun to move, pig iron has advanced steadily, until at the present time almost famine prices are charged. Blast furnaces are being worked at full pressure, but the supply is much below the demand, and finished iron-producers are considerably handicapped in consequence. Yet, although only a small proportion of the furnaces built are in blast, no one appears to care to undertake the enormous cost of converting the old fashioned furnaces into modern plant, The demand for pig is excellent. Not only are inquiries being received from local consumers, but American firms, being unable to satisfy their own requirements, are appealing to Midland houses to assist them, and Germans and Belgians are making inquiries. None of these foreign orders, however, are entertained.—Ironmonger, London.

PIG IRON IN THE UNITED STATES.

Rogers, Brown & Co. report as follows on pig iron: "In the markets of the Eastern seaboard there is little now to record. A noticeable thing is the wide variation between prices. This amounts in some cases to $3 per ton on substantially the same grade of iron. A New England buyer who asked figures on leading brands last week, found delivered quotations ranging from $22.50 down to $19.50 No. 2 foundry; these differences representing the more or less oversold condition of furnaces and remoteness from point of delivery. In a letting for 900 tons ballast iron for Government transports on Tuesday, a Pennsylvanian furnace made a price of $16.40 delivered to ship in New York harbor, but it was stated that this was iron unfit for either foundry or forge uses. Other tenders on the same business ran to $22. Export markets are watched with particular interest. Middlesboro is now on a par with Scotch, which has not happened for many years. The report from Glasgow is that the Middlesboro warrants are again all in one hand, and that a corner may be engineered any day. The bear interest which has been so aggressive on the Glasgow Exchange for years past, has been thoroughly routed. English producers of pig iron are well sold, but at the new range of prices (about 71s. at the furnace) buyers are slow to place fresh orders. Continental buying is again slow, due to the rapid rise in prices that has taken place. In Europe, as well as in America, the great bulk of shipments is still going on old orders at low prices. Those who reckon the profits of the furnaces by calculation of the difference between to-day's market price and what the iron ought to cost, are wide of the mark. It is probably within the range of fact to state that there is not an important furnace interest in the United States that is not filling considerable orders at or below cost of production. This accounts for the surprise and disappointment of stockholders in such companies at the slow way in which the monthly profits improve. In one instance, in Pennsylvania, the net price realized on June shipments was lower than that of April, while the cost of iron had sharply increased during the interval. Warrants are in active demand on the Consolidated Exchange. No. 2 foundry Alabama has sold at $15.50 and $15.25. and more wanted."

NEW YORK METAL MARKETS.

COPPER — Deliveries continue free and take up so much of current output that comparatively little copper comes upon the market for immediate sale. In other words, the unsold spot stock remains light in the face of heavy production. Buyers naturally refrain as much as possible from making any new move that might give sellers any advantage, but considerable negotiation is going on quietly for metal for future delivery, and there is reason to believe that more substantial undertone of strength exists than surface appearances would indicate. Doubtless the surface would appear different but for paucity of speculators. Prices here remain at 18½c. for Lake Superior ingot; 17½ to 17¾c. for electrolytic bars, etc., and 17¼ to 17½c. for casting stock.

PIG TIN—London started the speculative ball a rolling at teriffic speed, with price up from Tuesday's latest to the extent of £1 17s. 6d., or as high as £144 for prompt delivery and £144 15s., for three months' futures. This naturally set a rapid pace in the New York market very early, and there was opportunity to realize 32c. per lb. before the business day was two hours old. The leading bulls were apparently the buyers thereat. Later cables quoted only very slight reaction in price, and the early advance here was maintained, comparatively little tin having been offered. There was, however, very little demand from the out-of-town trade or from consumers, and little if any disposition among dealers to invest. Towards the close 32⅛c. was bid and 32¼ to 32½c. generally quoted.

PIG LEAD—This metal moved along in the even tenor of the way laid out for it by the smelting company, there having been no effort elsewhere that cast as much as a shadow of serious opposition. Orders from consumers were filled at 4.55c. for round lots and 4.57½c. for carloads, while offers that had a speculative cast received virtually nothing more than passing attention.

SPELTER—Orders are coming in rather slowly at the moment, and for unimportant quantities as a rule. Offerings, on the other hand, prove to be somewhat larger than they have been of late, and prices lean slightly in buyers' favor. Car lots were quoted at 6c. on spot and 5.75c. for forward shipment, delivered here.

ANTIMONY—Regulus is steady at 10 to 11c. as to brand, and jobbing fairly.

TINPLATE—There is nothing unusual in the way of business or demand, and sellers have made no change in their position. In short, it is a steady market with only ordinary business.

IRON AND STEEL—The pig iron market remains in strong position. The output of furnaces is moved into distributive and consumptive channels rapidly, and still consumers seem to have no more iron than they require, and very little is on sale for early delivery. Export as well as home trade buying is good, and would probably be larger could more iron be obtained for desirable delivery. Of late, an average of 3,000 tons per week has been taken for European market. Home consumers are placing some orders for next year's delivery, paying, in some instances, the basis of $18.50 to $19 at Northern furnace for No. 2 foundry.

All old material is in good demand, and prices for everything on the list still show an advancing tendency.

Manufactured products are not keeping pace with crude material in the upward movement, but mills continue very busy, and higher prices for the future are anticipated.—N.Y. Journal of Commerce, July 27.

AS TO DELINQUENT ACCOUNTS.

By William A. Joyce.

THE poor we always have with us ; it makes little difference whether we refer to the poor people or to our poor accounts, for, with the latter, so long as we do, and must necessarily do, a credit business, so long we are positively sure to have a certain number of delinquent accounts. They necessarily become a part, as it were, of our stock in trade, yet how little value we usually attach to them when looking over the books of some concern that has become insolvent, for, as a rule, they are sold with the other assets for little or nothing. What an ideal life for a business man if his business could be done on a strictly C.O.D. plan or a sort of a United States postal plan—that is to say, "pay before you taste the stamp," but, if this wonderful change in business would come about, what would become of us poor credit men. I see no other vocation left for us but to become the iceman—"wouldn't you like to be the iceman?" So, for our own selves, we had better encourage the existence of delinquent accounts, and then, with a wise look and a very little action, collect some small account that no one else could possibly have collected. Then our concern sees the great necessity of advancing our salary ere some other concern discovers our wonderful value and makes it an object to change for our health, and, perhaps, like the preacher, we receive a "call" where we can do more good at a little better pay. So, having settled the fact that out of necessity we must have the delinquent accounts, let us consider for a few moments how to care for some and how to keep our percentage of losses under one-half of 1 per cent. of our business sales, which, in the shoe trade, is, in my judgment, a fair estimate of what the maximum losses should be.

It has been the custom of the concern I represent to make our statements daily, keep the same arranged alphabetically, and, on the first of the following month, send them to all purchasers during the month, marking the statement, "not a dun, but sent to you for comparison, and for the purpose of correcting any errors that may have been made." In addition to this, we send at that time statements of all past due accounts and those becoming due soon, making a list of these, and then, say, after 10 days, we send another statement to all those who have failed to settle, attaching to same a colored slip calling attention to their past due matter. If this does not have the desired effect, we follow by a notice of draft. If draft is returned unpaid, we write them a pleasant letter asking for an explanation, and, at the same time, notifying them in many cases that we shall discontinue the account, and mainly for the reason that, considering the prices upon which we sell goods, we cannot afford to change our terms beyond those named upon invoice. We find that this frequently has much better effect than by sharper treatment.

We have found by years of experience that, as a rule, it does not pay to place accounts for collection in the hands of country attorneys, either through yourself or through your own attorney. Invariably, when it reaches the attorney who is to do the collecting, we find the very party against whom we have the claim is either a relative, friend, or, in some way, closely connected, and very often is the regular attorney for the party against whom we hold the claim. Our claim is then either pigeon-holed or dallied with until we have lost all patience in the matter. Our custom has been to go directly to the party in a pleasant manner, and secure by best means possible, giving ample time.

During nearly 25 years of experience our concern has never sued what is termed a live account. After a delinquent has become insolvent we have placed claims of this nature in judgments, especially where we have anticipated that in the future there might be a chance to recover some part of the amount. We have made it a rule to be lenient and at the same time firm. We have found that by kindness and forbearance we have saved many delinquent accounts. The good credit man should look up and read Alice Carey's little poem "Don't Crowd," which, for your benefit, I will read :

Don't crowd ! this world is large enough
For you as well as me ;
The doors of art are open wide—
The realm of thought is free.
Of all earth's places, you are right
To choose the best you can,
Provided that you do not try
To crowd some other man.

What matter, though you scarce can count
Your piles of golden ore,
While he can hardly strive to keep
Gaunt famine from the door?
Of willing hands and honest hearts
Alone should men be proud !
Then give him all the room he needs,
And never try to crowd.

Don't crowd the good from out your heart
By fostering all that's bad ;
But give to every virtue room—
The best that may be had ;
Be each day's record such a one
That you may well be proud ;
Give each his rights, give each his room,
And never try to crowd.

We have another scheme which has taught many a delinquent to become a prompt and valuable customer. It may not always work, but our plan has been something after this fashion : We fund the present indebtedness and secure the same by a plan of guarantee or real estate security. We then insist upon the delinquent discounting all purchases whether of us or of other concerns ; in addition to this, we insist on a very small weekly payment, which payment must be made on a regular date. We allow discount on all his purchases, and insist upon his paying interest upon the funded indebtedness, which interest we collect either monthly, quarterly or semi-annually. We know of a number of cases where, by careful financing for good honest and industrious men, it has enabled them to become prosperous dealers.

The question often arises, "When does a man become a delinquent?" In my judgment he becomes a delinquent the minute he commences to lose his discounts, and from that time he is in no condition to compete with his neighbor who is in the habit of looking after every cent in that direction. It is well to watch all accounts that are known as "running accounts," that is, accounts that buy indiscriminately and pay what they can afford to pay on account from time to time, and making no settlement from the first of the year to the last. The days of these accounts are past, and no good business man can afford to have them or can afford to carry them, for sooner or later the blow will come, and, unless you are securely buttoned up, you will surely have an item for the debit side of your profit and loss account.

It is somewhat of a question in my mind whether these few simple facts are of much interest to you, but if they are, you are most welcome to them, and I sincerely trust the time will arrive when delinquent accounts will continue to grow less in number, which I really think they will, for it seems to me as if we were getting closer and closer to a cash basis, necessarily so on account of the close margins upon which goods are sold.

ANSWERS TO INQUIRIES.

WHO MAKES BAMBOO FURNITURE?

A Nova Scotian house inquires : "Do you know if there is a bamboo furniture manufacturer in Canada. If not in Canada, do you know of any in America ?"

[Perhaps some of our readers will favor us with the addresses of manufacturers of this particular kind of furniture.—The EDITOR.]

WIRE NAILS
TACKS
WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

IS IT TRUE?

THE beggar who said, "Madam, I have been without food three days—yesterday, to-day and to-morrow," expressed a far-reaching human failing. There are many men in business and social life who mix up the past, present and future in just that same way. Through fretting and worry, yesterday, to-day and to-morrow become so closely connected in thought with them, that the separation in time is practically obliterated.

To live many days in one is a sure way to escape success. Life is so arranged that each day in itself is a full circle, and if we crowd other days in upon it, we simply distort its symmetry. We never enlarge a day or increase its value by bringing yesterday and to-morrow into it. On the contrary, we greatly dwarf its possibilities for achievement.

Wrongfully used, through vain regrets and worry, the past and future are like two great forces bearing heavily towards each other. As they come closer together the space between them must necessarily lessen, until the present is crushed out entirely.

The present is the only supreme time in our lives, and it is jealous of that supremacy. It will not serve us well unless we give all our thought and action, all our work to it. Fretting and worry sap the energies, waste time and prevent progress. Living each day by itself is the only true working spirit.

Calm planning, "sitting down to count the cost," systematizing and arranging to meet the demads and needs of the future are all a part of the work of the present. They mold causes so as to produce right and successful effects. But worry is not forethought. Forethought fertilizes the present. Worry blights it.

Sorrow for past error and the desire to correct past mistakes are also part of the present's work. But fretting and repining are not sorrow. They do not produce action. They are purely passive, yet they are powerful in creating despair. A wholesome regard for the past sees in it only those things that enrich the present. Everything else should be kept in the background of life.

In the present we create our future and mend the past. But we can't do this successfully unless we occupy the present to its full capacity. Making the best use of to-day is the surest way to give yesterday and to-morrow their right relations to life.

Then don't repine; don't look back with a long face upon your yesterdays; don't dwell upon the might-have-beens.

Don't worry over the outcome of your work; don't crowd time and try to live to-morrow before the due course of hours has elapsed; don't sour to-day's milk with the fear of to-morrow's thunder; don't borrow trouble and care; don't be anxious.

Don't fret at circumstances and conditions; don't "fuss and stew"; don't be blue.

Emerson said, "He is only rich who owns the day." And to be thus rich is every man's privilege. Are you making the most of it? Do you own the day so that the hours of work and rest all adjust themselves to the best scheme of life; so that at the end of every twenty-four hours you can write a positive "Finis," and start out fair and fresh on the next with no vain regrets and no anxious forebodings?

Live one day at a time and live it well! —The Chameleon.

BEST PAINT SELLS BEST.

At the beginning of our business career the question of how to make the paint that sells best resolved itself into how to make the best paint. We recognized that a good article—the best that can be made—sold at a fair price, is the surest to succeed.

We have clung to this principle persistently. We will sacrifice nothing to quality. We seek to do only those things that can make our paints the best.

We watch every detail of our paint making with the most scrupulous care to see that nothing but the best enters into it. The ***best*** material, the ***best*** workmanship, the ***best*** machinery, the ***best*** methods are the only things that can pass our strict censorship. We reject everything that falls below our high standard.

Do you want the paint that sells best—to-day and every day? We make it.

THE SHERWIN-WILLIAMS CO.

PAINT AND VARNISH MAKERS.

CLEVELAND.
CHICAGO.
NEW YORK.
MONTREAL.
BOSTON.
TORONTO.

Canadian Division: 21 St. Antoine St., Montreal.

ONE DAY AT A TIME.

How to reduce the cost of doing business is the great mercantile problem of the day. Some of the retailers are trying to get around it by forming combinations to reduce the purchase price of goods, but the limit to that sort of thing is soon reached. Some dealers don't know what "cost" really means. If they met it in the street they wouldn't recognize it. Verily, they are in a parlous state. — New York Merchants' Review.

GERMANY'S IRON RESOURCES.

Some interesting details have lately been published as to the character and extent of the resources for the production of iron and steel in Germany, according to Iron and Steel Trades Review. It appears that at a recent date there were 672 iron mines in the Empire, of which 486 were exclusively devoted to iron mining, while 32 others mined iron ores as an accessory product. At the same date there were 154 mines not in operation, of which 96 were in process of being opened out. Of the 101 works which produce pig iron, 58 produce that metal alone, while 51 others produce also finished iron or steel. There were in operation 1,208 foundries, of which 356 produce only castings, 107 are part of general metallurgical works, and 745 are connected with engineering or other establishments. There were 186 forges in operation—that is, works which did not produce cast metals—of which 56 were exclusively engaged in producing iron or steel by forging, 122 were connected with establishments that manufactured other forms of metal, and eight were attached to works that were not otherwise metallurgical. Of steel works, the total number in existence throughout the Empire was 163, of which 39 manufacture only steel, 111 manufacture other metallurgical products, and 14 form part of non-metallurgical works.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

A. J. TUPCOTTE, of Messrs. Bouchard & Turcotte, general merchants, etc., Magog, Que., has assigned to Lamarche & Benoit.

Samuel Black, general merchant, Nelson, B.C., is away.

H. A. Voyer, general merchant, Bic, Que., has assigned.

H. W. Benson, hardware dealer, Bridgetown, N.S., has assigned.

T. G. Clute, general merchant, Stirling, Ont., is offering 50c. on the dollar.

Mathewson & Glover, general merchants, Lyndhurst, Ont., have assigned to A. G. Austin.

Ross & Somerville, bicycle dealers, etc., Sarnia, Ont., have assigned to M. A. Saunders.

PARTNERSHIPS FORMED AND DISSOLVED.

Corbeil & Gagnon, coal and wood dealers, Montreal, have dissolved.

Eugene Riopel and Louis Vaillancourt have registered partnership as carriagemakers in Montreal.

Haley Bros. & Co., planing millers, etc., St. John, N.B., have dissolved, Robert G. Haley continuing.

Samson & Filion, hardware dealers, Quebec, have dissolved, and Joseph O. Samson has registered as sole proprietor under the old style.

Atherton Bros., harness dealers, Woodstock, N.B , have dissolved, Elbridge A. Atherton retiring and Walter C. Atherton admitted under the old style.

SALES MADE AND PENDING.

The stock, etc., of John A. Bishop, general merchant, Baldoon, Ont., has been sold.

The assets of Wm. Faust, general merchant, Montcalm, Que., are to be sold by auction.

Frank Lavin's sawmill at Salmo, B.C., has been sold by sheriff's sale to G. O. Buchanan.

T. E. Scott, harness dealer, McGregor, Man., has sold out to the Great West Saddle Co., Limited.

The assets of Bouchard & Turcotte, general merchants, Magog, Que., are to be sold on August 1.

The assets of G. W. Smith, electrical contractor, Point Gatineau, Que., are to be sold by tender on August 15.

CHANGES.

Geo. A. Howey is retiring from business as general merchant in Vanessa, Ont.

B. Schaffer, general merchant, St. George (Beauce), Que., has removed to Magog.

The Midway Trading Co., general merchants, Midway, B.C., has been incorporated.

Ernest Newkirk & Co., general merchants, Port Rowan, Ont., have been succeeded by J. L. Buck & Bro.

McMullin & Jordan are starting as hardware dealers in St. John, N.B.

Houle & Lortie have registered partnership as dealers in washing machines in Quebec.

The Hugman Window Shade Co., Granby, Que., are to be succeeded by The Granby Window Shade Co.

E. J. Brooks & Co., general merchants, Sintaluta, Man., have sold their hardware stock to McGee & Thompson.

FIRES.

R. D. Campbell, general merchant, Sydney, N.S., has been burned out.

Mrs. F. Morency, general merchant, St. Marc, Que., has suffered damage by fire; insured.

Joseph Wasdale, tinsmith, Winnipeg, has suffered damage by fire; loss reported at $100; insured.

ALWAYS MAKE A MEMORANDUM.

See to the little things and the little things will take care of themselves. The only way it is really possible to attend to little things properly, that is, if one desires to attend to them, is, not to trust to the memory in doing the work, no matter how good it may be.

A pad should be carried in the pocket; on this mark down whatever you may think of as soon as it occurs to you. One by one attend to the things recorded, and whenever something on the list has been attended to run a pencil through the memorandum.

The little pad and prompt and proper attention to the memoranda on them, will not only aid you in making things better, but will also rid you of many a troublesome hour.

Make use of the pad and this suggestion. You will find them to work well.—Alfred Meyer, in The Shoe Retailer.

IRON MINING AT MADOC, ONT.

Ore shipments continue from the Hematite Iron Mine, Madoc, Ont., operated by Sherk & Wallbridge, at the rate of about 50 tons per day. A new and powerful steam hoist was added to the plant of this mine last week, which will greatly facilitate work now that the shaft is steadily going down. Mr. Gan. Wallbridge is having the old Hematite shaft, on the west side of the road, pumped out and expects to find a permanent yield of ore underneath. There is an immense body of water in the shaft, and although pumping has been going on for three weeks less than half the water is yet out.

E. H. Sherk and Cam. Wallbridge are opening another iron property on lot 1, concession 11, of Marmora, and made their first shipment last week. The ore is a specular iron, and gives promise of being a paying mine. It will be hauled to Madoc for shipment.

Rhodes, Curry & Co., Dartmouth, N.S., have two buildings well under way at Waverley for the new company which has been formed for the manufacture of electrical apparatus, fuse, etc. There will be five buildings in all, and the industry will probably employ a large number of men. The prospects for Waverley's future are bright.

IVER JOHNSON

Firearms and Bicycles

Hardware dealers will find our goods ready sellers and profitable. Write for prices, terms, etc.

HONEST GOODS
AT
HONEST PRICES.

Iver Johnson's Arms & Cycle Works

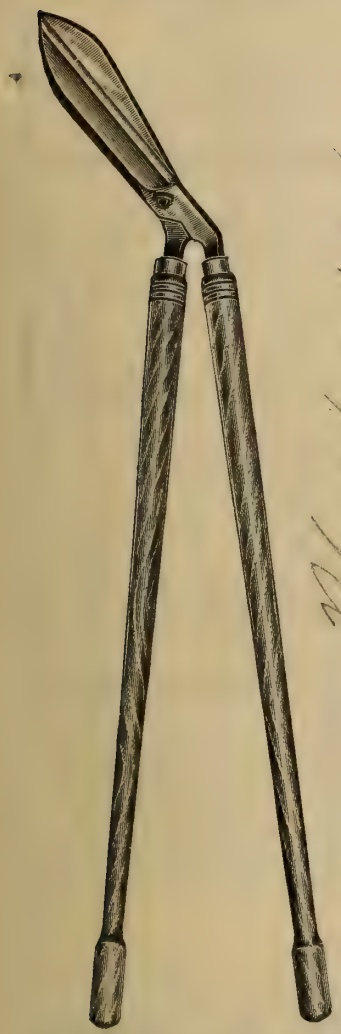
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BRANCHES—
NEW YORK—99 Chambers St.
BOSTON—408 Washington St.
WORCESTER—304 Main St.

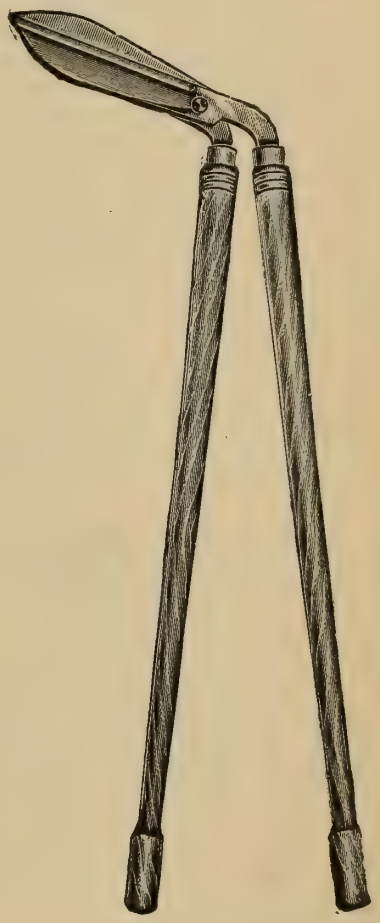
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37-39 Front St. West, ...Toronto

Only Wholesale

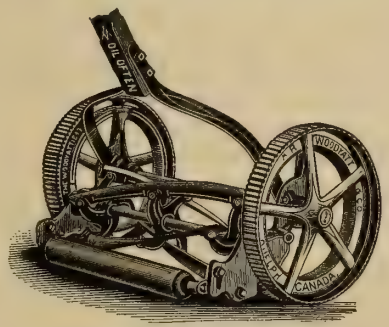


BORDER SHEARS



LAWN SHEARS

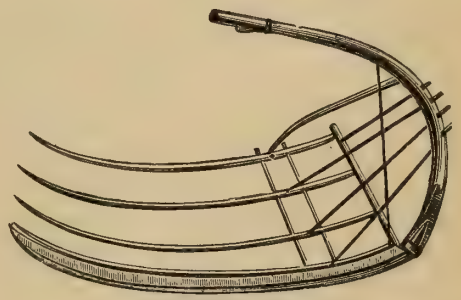
LAWN MOWERS



WOODYATT, HIGH WHEEL—sizes, 14, 16, 18 and 20-inch.

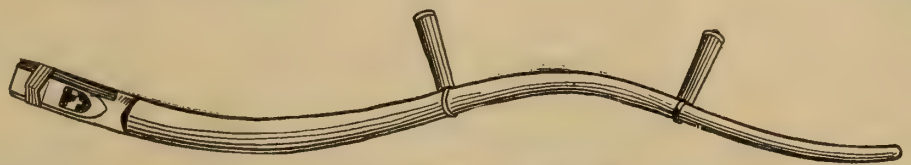


HAY RAKES—Straight and Bent



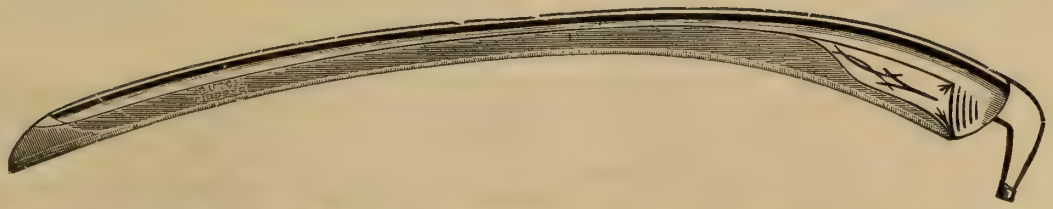
CRADLES

SNATHS



SNATHS

SCYTHES



SCYTHES

H. S. HOWLAND, SONS & CO., TORONTO.

Only Wholesale. Graham Wire and Cut Nails are the Best. **We Ship Promptly**

THE CANADA PAINT COMPANY'S, PICNIC.

THE seventh annual picnic of the employes of The Canada Paint Company, Limited, Montreal, was held at Otterburn Park, St. Hilaire, Quebec, last Saturday. About 500 merry people boarded the special Grand Trunk train at Bonaventure station at 8.30 a.m., accompanied by a first-class orchestra. The scene was an unusually animated one, and a large crowd was attracted to the station by the departure of the big excursion in a first-class vestibuled train with buffet car attached and all appointments up-to-date.

As in previous years, The Canada Paint Company, Limited, left the selection of the place of the excursion entirely to their attaches, who decided in favor of Otterburn Park, which is beautifully situated on the Richelieu River at the foot of the Belœil Mountain.

All the arrangements were carried out by an energetic committee, and the excursionists were accompanied by a number of invited guests as well as the chief officials and Montreal shareholders of the company.

Among the invited guests present were noticed several of Montreal's prominent business men, including Mr. Gustaf Gylling, the Norwegian Consul; Mr. George Drummond, of Drummond, McCall & Co.; Mr. Allan, of Messrs. Jack & Robertson, and Dr. Kyle, the company's physician. The services of the last-named were happily not required, as there were no accidents to mar the day's enjoyment.

At romantic St. Hilaire, special arrangements were made to contribute to the pleasure of the outing. To those desirous of ascending Belœil Mountain wagonettes were provided. Disciples of Izaak Walton found fishing tackle at hand. There were sports innumerable and, best of all, eatables and drinkables galore. One would imagine the paint trade anything but an unhealthy one had he seen the substantial dinner disappear. Cigars, sweetmeats, and bon bons were afterwards distributed in profusion, and the rugged profile of old Belœil never looked down upon a happier crowd. The recitation contest created endless amusement owing to the blunders made by the aspirants for stage honors.

After "Casey at the Bat" had been given, instead of

This life is but a fleeting show!

one bright youth got "mixed" somewhat and started:

This life is but a floating shoe!

Again, everyone knows the couplet,

He who fights and runs away,
Will live to fight some other day!

This was rendered more practically by young Roderick McGillicuddy, better known as Rory Mac, as follows:

He who paints and paints away,
May sell his house 'most any day!

At the dinner Neil MacInnes, the Scotch Bard from Lochaber, sang, "We are a' Cronies," to the great delight of the assembly, and hearty congratulations were tendered to Mr. Kyle and the executive committee for their untiring efforts to make the affair a success. The committee was as follows: Fred Thibeault, chairman; R. Mallette, M. Doyle, W. E. Corbet, Henry Hawkins, Jas. Marshall, J. Desmarteau, Paul Lamarche; John Kyle, Sec.-Treas.; Frank Bell, Ass. Sec.-Treas.

Starter.—Charles Little.

Judges.—Charles E. Felch, J. Campbell, F. Kearns, G. Gylling, W. Thibeault.

Floor Manager.—Frederick A Thibeault.

Yeoman of the Guard.—John Thompson.

Interpreter.—Napoleon Maximilian Dansereau.

Umpire of Baseball Match.— "Elephant" vs. "Prism," Mr. William H. Evans.

The programme of athletic sports consisted of 18 events, but want of space precludes our publishing it.

In the evening the return journey was made without mishap, the trip being enlivened by the singing of the William Street Tonic Sol Fa Philharmonic Society, and, as the special train rolled into the Grand Trunk pessenger depot at Montreal, 500 voices sang lustily "Auld Lang Syne," and after the band played "Vive La Canadienne!" the merrymakers scattered to all parts of the city.

PRODUCTION OF PIG IRON IN THE UNITED STATES.

The bulletin of the American Iron and Steel Association has received from the manufacturers complete statistics of the production of all kinds of pig iron in the United States in the first half of 1899. The total production of pig iron in that period was 6,289,167 gross tons, against 5,869,703 tons in the first half of 1898, and 5,904,231 tons in the second half. The production of Bessemer pig iron was 3,788,907 gross tons, against 3,703,584 tons in the first half of 1898 and 3,633,800 tons in the second half.

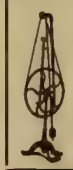
The production of basic pig iron, all made with coke or mixed anthracite coal and coke as fuel, was 465,957 gross tons, against 337,485 tons in the first half of 1898 and 447,959 tons in the second half. The production of spiegeleisen and ferromanganese was 104,496 gross tons, against 109,641 tons in the first half of 1898 and 104,128 tons in the second half. The production of charcoal pig iron was 128,485 gross tons, against 147,003 tons in the first half of 1898 and 149,747 tons in the second half.

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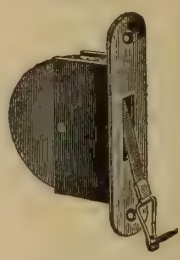


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CAST IRON HOLLOWWARE IN CANADA.

THE following, which explains itself, appeared in a recent issue of Ironmonger, London, Eng.:

SIR,—I desire to add a word to my remarks about the cast iron hollowware trade in Canada, and to reply to the letter by Mr. C. F. Clark on the subject, on page 20 of your last issue of April 1 last. I quote the following remarks of Mr. Clark :

Your special commissioner who had visited Canada, in drawing his comparison between the weight of the American-made tinned round pots and those made by Law & Co., appears to have overlooked the fact that the American measure of capacity is our old wine measure, whilst the British-made articles are imperial measure—that is to say, a five-gallon imperial measure is equal to the American six-gallon.

It is true that the American measure of capacity is 20 per cent. less than the British, but the capacity of American hollowware exceeds the American standard so much that most of it holds more than the British of nominally the same size. Armed with a 40 fl. oz. (the imperial quart) graduated measure, such as is in use in any drug store, I invaded the premises of a Montreal hardware dealer, had a quantity of American hollowware conveyed to the nearest watertap, and put the capacity to the test. I have also had the same size (nominally) of Law's make measured by a druggist friend, and here is a comparison. American hollowware is denoted by capacity only, not by number, but I give the corresponding numbers used by the British trade.

Nos.	4	5	6	7	8	9	10
Nominal capacity in pints.	3	4	6	8	10	12	24
Actual sizes of American hollowware in fl. oz	71	85	128	160	205	234	417
Actual sizes of Law's hollowware in fl. oz.....	60	80	120	160	200	240	480

It will be seen, from No. 8 down, American hollowware is of greater capacity than British, and that from No. 9 up the reverse prevails. This seems strange in the face of American capacity standards, and I state it as a fact without any attempt at arriving at the reasons of the anomaly.

Mr Clark proceeds :

The British manufacturers have no means of recouping themselves for any loss on exports by getting much better prices from their home trade as the United States manufacturers do with their high protective tariff.

In the case of hollowware the much talked of "dumping" policy on the part of American manufacturers does not exist, because the market for tinned cast iron hollowware in the United States is dead. In no American city, from New York to Chicago, could I find that the ordinary vendor of hollowware carried stock of cast iron saucepans or round pots. Very few American makers produce these goods, and those who do make them almost exclusively for Canada. When I made my calculations in discounts, and stated that our manufacturers would require to allow 60 per cent. and 7½ per cent., the American discount stood at 70 per cent. and 10 per cent. off list at works in Pennsylvania, with a special rebate of 5 per cent. for carload lots and 2 per cent. additional for cash. Latest advices showed that the 70 per cent. has been replaced by 65 per cent., with other details unaltered. The price is the same for United States or Canadian buyers. The recapture of the hollowware trade in Canada is, by reason of the American increase, not so difficult as it was six months ago, and various Canadian buyers have been hopeful that some concession in price would be forthcoming from Britain, as they are desirous of having our goods in preference to the Yankee article. The latest advance, however, seems to have killed these hopes at their birth. The only way in which Canada can be captured by our hollowware manufacturers is by excluding Canada from the field of operations of the rules regarding price governing the members of the Hollowware Association. I have been informed that at the formation of the association it was the desire of at least one prominent maker to do so, but that the majority, who had no stake in the Canadian trade, would have none of it. I suggest to the Hollowware Association that the present time is a fitting one for the reconsideration of this detail, as the Canadian trade, which is considerable, could be won back now at smaller sacrifice than would have been demanded a few months ago. No one in the Dominion at present manufactures tinned hollowware, and the enterprising individual who chooses to embark in the undertaking would have many advantages, including freight and a 30 per cent. duty in his favor, over the present sources of supply. The quality of the finished article is much inferior to ours, and could, therefore, be produced cheaper. Two pieces brought over the Atlantic lie at 42 Cannon street for the inspection of anyone interested in the subject.

In maslin kettles, which have a fair sale —and which are only sold enameled—we are so far out that I did not enter into figures. I saw, a few days ago, some made by a well-known English house, in a Montreal store, where they have lain for some years. I was informed by the proprietor that the people in Canada die too soon to use them. He explained the enigma by stating that when a woman in middle life put one on the fire she was grey-haired before it boiled. He had offered these at 25 per cent. under American price to clear, yet no one would have them.

Yours truly,

"YOUR CANADIAN COMMISSIONER."

London, July 13.

A ROUGH RIDER.

Charles G. Kilpatrick, the clever one-legged trick and fancy cyclist, is now at the Point of Pines, where his riding act is proving a sensational hit. "Kil" claims to be the roughest rider of them all, and his "Rough Rider" costume, in addition to his daring exhibition of riding the steps, proves a big attraction to the thousands of pleasure seekers at this delightful resort. Kilpatrick's exhibition will be one of the features of the coming L.A.W. meet in Boston, where it will be held at the Point of Pines in Boston.

CATALOGUES, BOOKLETS, ETC.

AN EFFECTIVE FOLDER.

The McClary Manufacturing Co., London, Ont., have issued a folder describing their "Queen of the Kitchen" kettle, which should be an effective agent in increasing the sale of the kettle. The folder shows in a dozen photographs the great convenience and utility of this kettle. Every hardware dealer who handles these kettles, and, it is presumed they all do, should secure a supply of these folders for counter use.

PERSONAL MENTION.

Mr. A. Manson, manager for Henderson & Potts, Montreal, has been confined to his home at Lachine for two weeks through illness.

Mr. Albert D. Kennelly, manager of the Toronto branch of The McClary Manufacturing Co., Limited, is taking a well-earned holiday.

Cinnamon & Everson, hardware merchants, who purchased Wm. Bingham's stock and, later on, a fine stock in Peterboro', Ont., have decided to become permanent residents in Lindsay, Ont., and will combine the two stocks there. The store is to be entirely remodeled, and will be made up-to-date in every particular for the handling of a large hardware and stove business.

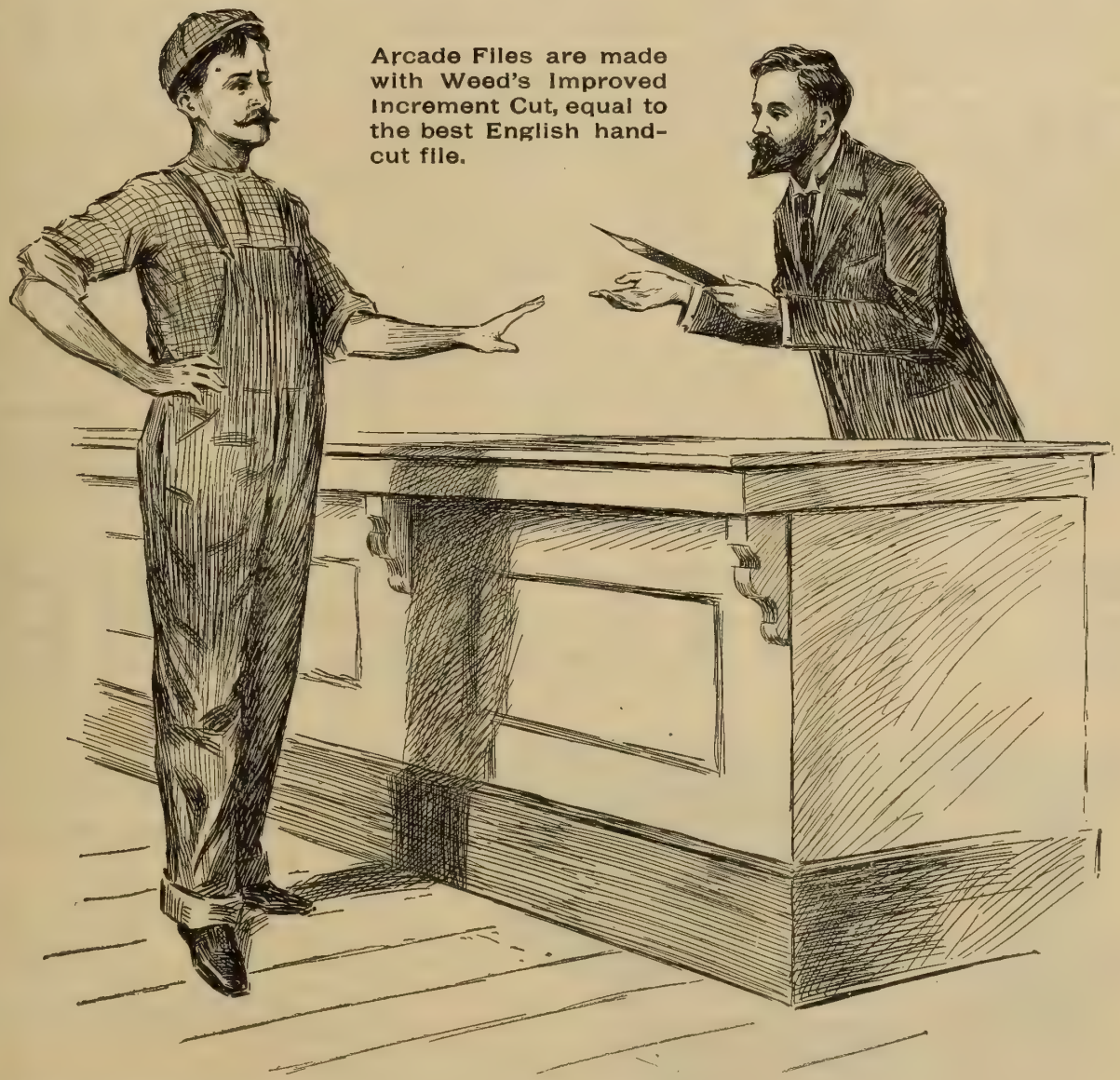


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MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL July 28, 1899.

HARDWARE.

THERE have been few changes in shelf hardware as compared with the previous week, but, with the cost of all raw material steadily appreciating in value, as noted elsewhere in the following reports, the tone is, naturally, very buoyant. Smooth steel wire is about the only line to show actual change, being marked up 15c. this week. Hay-baling wire is asked for, but other sorts are quiet. Wire and cut nails display considerable activity, and are very firm in regard to values. Buyers are anxious to order forward on horse nails, while horseshoes are quiet. Screws, bolts, nuts, and rivets continue to show a good movement. Cordage is firm, but quiet, and in building paper and cement business is of a moderate character, but satisfactory. Green wire cloth is quiet, simply because dealers cannot get supplies forward, and are almost bare of stock.

BARBED WIRE—While there has been an advance in the United States, no change is to report here, business ruling dull and prices steady at $3 f.o.b. Montreal.

SMOOTH STEEL WIRE—There is a good inquiry for hay-baling wire. Oiled and annealed also meet some inquiry, and prices are held 15c. firmer here in a jobbing way at $2.85.

FINE STEEL WIRE—In fair demand and steady at 20 per cent. discount.

GALVANIZED WIRE — Trade is quiet, but prices are firmly held at $3 base.

BRASS AND COPPER WIRE — In fair demand and steady. Discounts are: 50 and 2½ per cent. on brass, and 45 and 10 per cent. on copper.

FENCE STAPLES — Good quantities of these are moving. We quote: $3.05 for bright and $3.65 for galvanized per keg of 100 lb.

FINE STAPLES—Steady and unchanged. Discounts are: Cooper, 55; poultry netting, 45, and electrician, broom, bed, etc., 40 per cent. off.

WIRE NAILS—A good sorting-up inquiry is noticed for these, and the mills also report repeat orders. Prices are firmly held at $2.70 base.

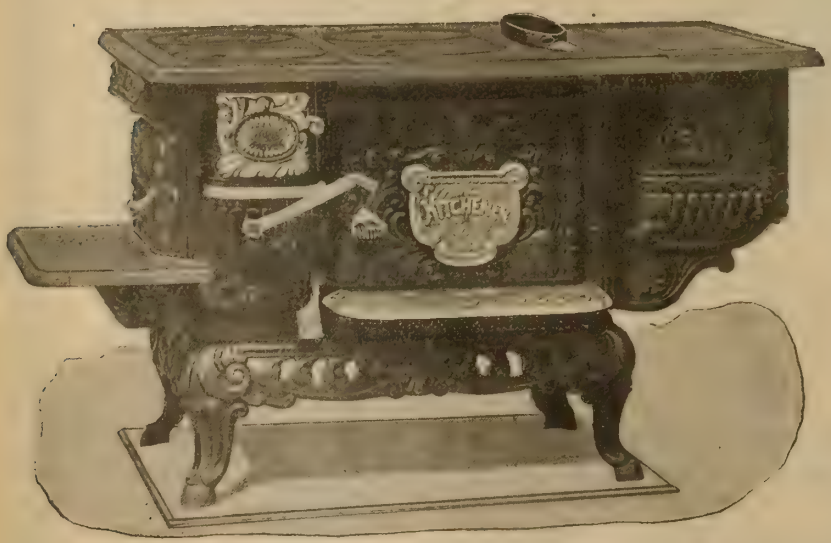
CUT NAILS — The local movement of these continues good, but there are less of them going to outside points. Prices are firm at $2.25 f.o.b. here.

HORSE NAILS—Traders generally appear to be anxions about future supplies of these, and a good demand is noted. Discounts are 50 per cent. on standard and 50 and 20 on Acadia.

HORSESHOES—There is a quiet trade noted in these. We quote as follows: Iron shoes, light and medium pattern, No. 2 and larger $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4; X L steel shoes, new light pattern, No. 2 and larger, $3.90; No. 1 and smaller, $4.15; featherweight, all sizes, Nos. 0 to 4, $5.15; and toe weight steel shoes, all forward, all sizes $6.25 f.o.b. Montreal, St. John, N.B., and Halifax, N.S. Delivered f.o.b. in Toronto, Hamilton, London and Guelph 10c. per 100 lb. extra.

SCREWS — The movement in these is

A NEW RANGE... "KITCHENER"



Sixty (60) sizes and styles of Ranges.

Eight (8) sizes and styles of cooks.

The most modern cheap range made in Canada.

Has ventilated oven, clinkerless duplex grates, heavy cast iron sectional linings that will not crack or crumble, and other modern ideas.

New Stove Catalogue now ready for Agents.

We supply everything for the Stove, Tin and Furnace trades.

If you want your orders filled quickly, order from McClary's.

The McClary Manufacturing Company

LONDON TORONTO MONTREAL WINNIPEG VANCOUVER

If a sheet, or part of a sheet, of galvanized iron has any defect, send it back at jobber's or our expense—the same as when business is slow.

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BRAND "C.I.F." THREE RIVERS

PLANTS AT

Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.

Geo. E. Drummond,
Managing-Director and Treasurer

maintained in fair volume. Discounts are as follows: Flat head, bright, 82½ and 5 per cent; round head do., 75 and 5; flat head, brass, 75 and 5; round head do., 67½ and 5.

BOLTS—There is a good inquiry for these. Discounts are: Carriage bolts, 5-16 and smaller, 55 per cent.; ⅜ and up, 50 per cent.; full square bolts, 65 per cent.; machine bolts, 55 per cent.; coach screw bolts, 67½ per cent., and sleighshoe bolts, 72½ per cent.

NUTS AND WASHERS — Demand fair for these. We quote: Square, 3¾c. and hexagon 4¼c. per lb.; discount off list. Washers in 50-lb. boxes are 50 per cent. discount.

RIVETS—There is a good business still moving in these. Discounts now are: Black and tinned, 45 per cent.; ditto burrs, 40 per cent.; copper rivets and burrs, 35 per cent.

CORDAGE — There is no change to report, but makers state that demand with them is unusually active for the season, and that values firmly maintain their position. We quote: Manila, 7-16 and up, 12c.; ⅜, 12½c., and ¼ and 5-16, 13c. Sisal, 10¾c. for 7-16 and up; 11¼c. for ⅜, and 11¾c. for ¼ and 5-16. Binder twine: Pure manila, 10½c.; 550 feet, 10c.; sisal, 500 feet, 9½c.

WRINGERS—There is fair trade in these and prices are unchanged at $48 to $60, according to brand, with 45 per cent. discount.

BUILDING PAPER—The movement in this material has been, if anything, brisker on city account, but country orders are decreased. Prices are unchanged.

GREEN WIRE CLOTH—Jobbers here are, in several instances, almost out of stock, and complain that it is impossible to hurry supplies from makers. Prices are firm at $1.75.

SPADES AND SHOVELS—There is a moderate trade noted in these. Discounts are unchanged.

HARVEST TOOLS—Inquiry fair since the advance, a good seasonable trade being noted.

SPORTING GOODS—Inquiry for these has been less brisk this week, but guns, ammunition, etc., are still moving out well.

CEMENT— The volume of business in cement is small for the season, only a few car lots to fill actual wants changing hands. Prices, however, are steady. We quote: Belgian, $1.90 to $2.10; English $2.30 to $2.40, and German, $2.45 to $2.65, per cask ex wharf.

FIREBRICKS—There is a steady demand for firebricks at firm prices. Round lots ex wharf are selling at $17 to $23 per 1,000, as to brand. The imports for the past week were 20,000, as against 83,900 for the pre-

Canada Plates

"DOMINION CROWN"
The finest All-Polished Plate on the market.
"ALLAWAYS" and "LYDBROOK"
The best Genuine Half-Bright.
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Ordinary finish, good working quality

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All-Steel Sash Pulleys

THEY require no Screws—this means a saving of a gross of screws on every six dozen Pulleys.
THEY can be applied quicker than any other Pulley.
THEY are cheap, strong and durable.

NO NAILS NO SCREWS
JUST BORE FOUR HOLES

AIKENHEAD HARDWARE CO.
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ADAM HOPE & CO.
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PIG TIN
PIG COPPER INGOTS
PIG LEAD
ANTIMONY
TIN, and CANADA PLATES

NOVA SCOTIA STEEL CO.
Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
Open Hearth Steel

vious week, making a total to date of 1,027,200.

METALS.

The advancing tendency is still prominent in nearly all kinds of metals, and the bulk of the changes we have to report this week are in an upward direction.

PIG IRON—This article is strong and excited, in sympathy with outside markets, where there appears to be no top to values. Quotations have been withdrawn on Hamilton pig, and it is impossible to get a firm offer on Scotch of any leading brand. Prices, therefore, are purely nominal.

BAR IRON—While some round lots are still obtainable on this market at $1.90, no new supplies can be laid down from the mills for less than $2, and we quote the basis firm at this figure.

BLACK SHEETS — Inquiry for these is active for forward delivery, and prices have been advanced all round. We quote: 8 and 16, $2.45; 18 and 20, $2.15; 22 and 24, $2.35; 26, $2.40, and 28, $2.45.

HOOP IRON—Is firmly held at $2.45.

STEEL—Firm. We quote: Sleighshoe and tire, $2.50; spring, $2.70; machinery, $3, and toe calk, $3.

GALVANIZED IRON —Inquiry for this line is brisk, but dealers are very conservative about orders for forward account owing to the uncertainty about supplies. We quote: Queen's Head, $4.55 to $4.80; Comet brand, $4.30 to $4.55, according to the size of the order.

INGOT COPPER — This has continued to advance outside, but though firm values on spot show no change from 19½ to 20c.

INGOT TIN — There appears to be no top at all to the price of this metal, and spot prices as a consequence of the sharp rise outside are 3c. up on the week, at 35c.

PIG LEAD — This also has exhibited a firmer disposition outside, but there is no change here from $4.25.

LEAD PIPE — Quiet and steady. We quote: Ordinary, 7c., and composition waste, 7½., with 20 per cent. discount.

IRON PIPE — Jobbers here still maintain values on this material at old figures though it would cost more to lay down fresh supplies. For instance, inch black pipe sold at $5.14 the other day, and no fresh supplies can be had under $5. We quote: Black pipe, ⅛ and ¼-inch, $3.12; ½-inch, $3.09; ¾-inch, $3.72; 1-inch, $5.14; 1¼-inch, $6.82; 1½-inch, $8.66, and 2-inch, $11.02. Galvanized pipe, ⅛ and ¼-inch, $5.64; ½-inch, $6.64; ¾-inch, $7.41; 1-inch, $10.12; 1¼-inch, $14.03; 1½-inch, $17.16, and 2-inch, $23.

TINPLATES—The expected advance in these has materialized as a result of the conditions specially noted last week, and prices are 25c. up. We quote as follows: Coke, I. C., $4.00; charcoal, I. C., Allaway or Comet brands, $4.25; do. I. X., $4.50; Lincoln, $4; P. D. Crown, $4.75; do. I. X., $5.50; Bradley's, $6.25.

CANADA PLATES — The same remarks apply to these, which are 5c. higher than they were. We quote: 52's, $2.30; 60's, $2.40; 75's, $2.50; full polished, $3.15; galvanized Canada plates, $4.25 for 52's.

TERNE PLATE—Continue firm and unchanged at $6.75 to $7.

COIL CHAIN — Fairly active and steady. We quote as follows: No. 6, 10¾c.; No. 5, 9¼c.; No. 4, 8¼c., and No. 3, 7¼c. per lb.; ¼-inch, $6; 5-16, $4.75; ⅜, $4.25; 7-16, $4.10; ½, $4; 9-16, $3.95; ⅝, $3.85; ¾, $3.65, and ⅞, $3.55 per 100 lb.

SHEET ZINC—This is somewhat easier at 7½ to 7¾c.

ANTIMONY—Steady at 10 to 11c.

SPELTER—Shows advance abroad, but is unchanged here at $7.

GLASS.

There is only a quiet business noted in glass, because, with deliveries backward, importers are not urging sales. We quote: First break, $1.90; second, $2 for 50 feet; first break, 100 feet, $3.60; second, $3.80; third, $4.25; fourth, $4.50; fifth, $5; sixth, $5.50, and seventh, $6.

PAINTS AND OILS.

This department of business has shown, if anything, more activity in a local sense during the week, as the weather has been more settled and favorable for outside operations. There are no changes in any line to report. We quote:

WHITE LEAD—Best brands, Government standard, $6.00; No. 1, $5.62½; No. 2, $5.25; No. 3, $4.87½.

DRY WHITE LEAD—$4.75 in casks; kegs, $5.

RED LEAD—Firm; casks, $4.75; in kegs, $4.50.

WHITE ZINC PAINT—Pure, 8c.; No. 1, 6½c.; in oil, pure, 9c.; No. 1, 7½c.

PUTTY —We quote: Bulk, $1.65; bladders, in bbls., $1.80; bladders, in cases, $1.95; in tins, $2.05 to $2.30.

LINSEED OIL — Raw, 57c.; boiled, 58c., five to nine-barrels, 1c. less, ten and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to four barrels, 63 to 64c., two to four-barrel lots, 1c. less, five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Firm; $1 to $1.20 per gallon.

CASTOR OIL—Firm; 7½ to 8c.

SEAL OIL—35½ to 37½c.

COD OIL—35 to 37½c.

NAVAL STORES—Fair demand for all lines, and prices show no change: Resins,

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.

'WELLINGTON' KNIFE POLISH

JOHN OAKEY & SONS, LIMITED

MANUFACTURERS OF

Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.

Wellington Mills, London, England.

Agent:

JOHN FORMAN, 644 Craig Street

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FOR SALE.

FOR SALE — BRANCH STORE — PLUMBING, Hardware, Stove, Furnace and Tinning Business. Established five years. Sales doubled in last year. Only store of its kind within ten miles. Reasons for selling—Have all the business proprietors care to see to at their main store. $3,500 stock and fixtures. Rare chance for business man. Address, H. L. WHEELOCK, Rock Island, Quebec. t.f.

29 Years. Established 1870. 29 Years.

SEASONABLE GOODS AT RIGHT PRICES.

Barbed Wire Fencing; Agricultural Implements; Bradley Tin; Builders' and Cabinet Makers' Hardware **Special**—A full line of Tinsmiths' Tools and Machinery—latest improvements.

SEYBOLD, SON & CO. - MONTREAL.

Builders' Hardware

We have the
LARGEST ASSORTMENT
and
LATEST DESIGNS
at
LOWEST PRICES.
Call and see our samples.

Canada Hardware Co.
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Manufacturers of

DOMINION BRAND TARRED FELT,
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2 and 3 PLY READY ROOFING

— DEALERS IN —

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Factory, 144 Ann Street.
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JOHN BOWMAN HARDWARE & COAL CO.

London, Ont.

For further supplies of **BINDER TWINE, write us.**

Shipment Prompt. Prices the Lowest.

$2.75 to $4.50, as to brand; coal tar, $3 to $3.50; cotton waste, 4½ to 5½c. for colored, and 6 to 7½c. for white; oakum, 5½ to 6½c., and cotton oakum, 9 to 11c.

PARIS GREEN—250-lb. casks, 13½c.; 50-lb. drums, 14c.; 1-lb. packages, 15c.; ½-lb. packages, 16½c.; 1-lb. tins, 15½c.

PETROLEUM.

Continues the same. We quote: Crown, Acme, the new Sarnia oil, 15½c.; Perfection and Silver Star Canadian refined, 14½c.; American prime white, 17c.; water white, 18c., and Pratt's astral, 19½c., in small quantities.

HIDES.

Steady and unchanged; beef, 9, 8 and 7c.; calfskins, 11 and 9c.; lambskins, 30c. each, and sheepskins, 85c.

COAL.

Dull and unchanged. We quote: Stove, $5.75; chestnut, $5.75; egg, $5.50; Scotch grate, $6; Scotch steam, $4 to $4.50; Tower ports steam, $3.50 to $3.75.

MONTREAL NOTES.

Ingot tin has made a big jump of 3c. to 35c.

Smooth steel wire is held 15c. dearer here than last week.

Tinplates are 25c. per box higher and point still upwards.

Black sheets of all kinds have been marked up 10c. on the week.

Canada plates, as expected, have advanced 5c. all around on last week.

ONTARIO MARKETS.

TORONTO, July 28, 1899.

HARDWARE.

THE wholesale hardware trade is gradually becoming quieter, although the volume of business is still better than is usual at this time of the year. For July, a larger business has been done than the trade anticipated. The week has not been a striking one, measured by some of the preceding ones. Still, there have been a few changes. The most important is, perhaps, in smooth steel wire, which has advanced 15c. per 100 lb. Brown's pipe tongs are 20 per cent. dearer. Split pulleys are from 10 to 15 per cent. higher. Curry combs of Canadian make have been advanced 10 per cent.

BARBED WIRE—There is not much doing, and prices are firm and unchanged. We quote $3.25 f.o.b. Toronto.

SMOOTH STEEL WIRE—The important feature about this line is the advance of 15c. per 100 lb. in the base price, the quotation now being $2.85 f.o.b. factory. A fair business is being done in both oiled and annealed and hay-baling wire.

GALVANIZED WIRE — There is not much doing. Prices are firm, and, while unchanged, it is the opinion that there will be an advance before a great while. We quote: Nos. 6, 7, 8 gauge $3.40; No. 9, $2.90; No. 10, $3.50; No. 11, $3.55; No. 12, $3.05; No. 13, $3.15; No. 14, $3.90; No. 15, $4.50; No. 16, $4.65.

WIRE NAILS—A fairly good sorting-up trade is being done. There has not yet been any change in prices, but negotiations are pending with that end in view. We quote $2.75 base f.o.b. Toronto.

CUT NAILS — There is quite a demand for small lots, but the volume of business does not amount to a great deal. We quote: $2.25 f.o.b. Toronto, Hamilton and London.

HORSE NAILS — A fair business is being done for future delivery. We quote: Standard, oval head, 50 per cent.; Acadia, countersunk head, 50 and 20 per cent.

HORSESHOES — Still but little doing. We quote as follows: f.o.b. Toronto, Hamilton, London and Guelph: No. 2 and larger, light, medium and heavy iron shoes, $3.60; snow shoes, $3.85; light steel shoes, $4.00; featherweight shoes, all sizes, $5.25. No. 1 and smaller, light, medium and heavy iron shoes, $3.85 per keg; iron snow shoes, $4.20; light steel shoes, $4.15; featherweight steel shoes, all sizes, $5.25.

SCREWS—Trade continues active and prices



Dodge

Standard Wood Split Pulleys

ARE USED BY EVERY MILL AND FACTORY IN CANADA.

Live hardware houses keep our catalogue and discount sheet at hand, and display our handsome hanger.

Ours is the largest and most complete Pulley Works in the Dominion.

DODGE MANUFACTURING CO.

of Toronto, Limited **TORONTO, ONT.**

WORKS: Toronto Junction. CITY OFFICES: 74 York St.

unchanged. We quote: Flat head bright, 82½ and 5 per cent. off the list; round head bright, 75 and 5 per cent.; flat head brass, 75 and 5 per cent.; round head brass, 67½ and 5 per cent.; flat head bronze, 67½ and 5 per cent.; round head bronze, 62½ and 5 per cent.

BOLTS—A good seasonable trade at unchanged prices is still to be noted. We quote: Norway bolts, full square, 65 per cent.; common carriage bolts, 5-16 and under, 55 per cent.; ditto, ⅜ and larger, 50 per cent.; ditto, full square, 65 per cent.; machine bolts, all sizes, 55 per cent.; coach screws, 67½ per cent.; sleighshoe bolts, 72½ per cent.; blank bolts, 55 per cent.; bolt ends, 62½ per cent.; nuts, square, 3¾c.; nuts, hexagon, 4¼c.; tapping nuts, 60 per cent.; tire bolts, 60 and 10 per cent.; stove bolts, 60 and 10 per cent.

RIVETS AND BURRS — Business keeps steady. We quote as follows: Carriage section, wagon box rivets, etc. (steel), 60 per cent. off the list; ditto (Norway iron), 55 per cent.; black M rivets, (steel) 60 per cent.; ditto (Norway iron), 45 per cent.; iron burrs, 40 per cent.; copper rivets, 35 per cent.; bifurcated, with box, $1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

ROPE—The market is steady, in sympathy with the firmness of the primary hemp market. We quote as follows: Sisal, 7-16 in. and larger, 10½c. per lb.; ⅜ in., 11c.; ¼ and 5-16 in., 11½c. Manila, 7-16 in. and larger, 12c. per lb.; ⅜ in., 12½c.; ¼ and 5-16 in., 13c.; New Zealand, 9½c. per lb.; Deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 8¾c. Clotheslines, 48 feet, 90c.; 60 feet, $1.20; 72 feet, $1.50; 100 feet, $2.

CHURNS — Business keeps fair. We quote: Metal frame—No. 0, $3; No. 1, $3.20; No. 2, $3.40; No. 3, $3.75; No. 4, $4.50; No. 5, $5.90. The price of wooden frames is 15c. per churn less than the above. Terms, 3 per cent. off 30 days f.o.b. Toronto.

WRINGERS—A seasonable trade is being done. We quote as follows: "Leader," $60 per doz.; "Royal Canadian," $58; "Royal American," $48. Prices are all f. o. b. Toronto, Hamilton, Brockville, and Montreal. Discount, 45 per cent. Terms, four months, or 3 per cent., 30 days.

BUILDING PAPER—A fair trade is still to be noted. We quote: Plain building, 28c. per roll; tarred lining, 35c., according to quality; tarred roofing felt, $1.40 per 100 lb.; carpet felt, $2.25 per 100 lb.

POULTRY NETTING AND WOVEN FENCING—The market keeps strong. In last week's issue it was stated that the price of woven fencing was 7½c. per rod to the retail trade. It should have read that the price had advanced 7½c. per rod. The discount on poultry netting is 40 per cent.

SPADES AND SHOVELS — Trade is quiet and the discount unchanged at 40 and 5 per cent.

HARVEST TOOLS, ETC.—The season is about over, but there is still a fair demand. Discount 60 and 5 to 60 and 10 per cent.

SPORTING GOODS—A fairly good trade for this time of the year is being done.

CEMENT—The consumption of Canadian Portland continues brisk. Imported cements are not offering in as large quantities as in past seasons. Prices are unaltered. We quote in barrel lots as follows: Canadian Portland, $2.65 to $2.90; English do., $3; German do., $3.10; Belgian do., $2.70; Canadian hydraulic cements, $1 to $1.10; calcined plaster, $1.90; asbestos cement, $2.50 per bbl.

METALS.

The metal market is still exceedingly strong, with the general tendency of prices upwards. Tin has advanced several cents per lb. during the past week. Pig iron and galvanized sheets are also marked higher.

PIG IRON — The market for Hamilton iron is reported by Adam Hope & Co. to be strong, with an active demand at $21 f.o.b. the furnace. "Altogether," they say, "the position is a very strong one, and it looks as if there will be a general scarcity of iron and higher prices before the end of the year."

BAR IRON—A good business is still being done and the base price is firm at $2.

BLACK SHEETS—The demand is fair, with prices firm and unchanged at the recent advance, 28 gauge still being quoted at $3.10.

GALVANIZED IRON—Quotations are 25c. higher, 28 gauge now being $5 per 100 lb. The demand is good, with stocks light.

COPPER—Ingot copper has been rather quiet the past week, but in sheets a good business is being done. Prices are firm and unchanged, ingot being quoted at 20 to 21c. per lb. and sheets at 23 to 23½c. per lb.

PIG TIN—There have been some extraordinary advances in the outside markets during the past week. In New York, on Wednesday, pig tin touched 32c., and our local quotations are up to 36c. per lb., although there are some houses which have not yet followed the latest turn in the outside markets.

TINPLATES — No further changes have been made in prices on the local market, but there have been further advances in Great Britain. Business locally is quiet.

CANADA PLATES—The demand is only moderate, but prices are firm and unchanged. We quote: All-dull, $2.75; half-polished, $2.85; all-bright, $3.20.

IRON PIPE—The demand continues active, and prices firm and unchanged. Quotations on black pipe are as follows: ¼ to ⅜ inch, $3.35; ½ inch, $3.40; ¾ inch, $4; 1 inch, $5.50; 1¼ inch, $7.35; 1½ inch, $9.25; 2 inch, $12.50; 2½ to 6 inch, discount off the list 45 per cent.

PERSONS addressing advertisers will kindly mention having seen their advertisement in Canadian Hardware and Metal Merchant.

CAUSES OF FAILURE

In the Hardware Trade and How Avoided.

As long as there are failures, subjects that furnish information how to prevent them will always be timely. We have published, in pamphlet form, three admirable papers on the above topic, in which Over-Stocking, Expense, Capital, Credit, Discounts, Buying, etc., etc., are ably discussed. We will mail the whole three essays to any address on receipt of **10 cents**

HARDWARE AND METAL, Toronto

Cornwall Canal.

NOTICE TO CONTRACTORS.

SEALED TENDERS, addressed to the undersigned and endorsed Tender for "Guide Ways at Guard Gates," will be received at this office until sixteen o'clock on the 4th August, 1899, for the construction of Guide Cribs and Ways at the Guard Lock.

Plans and specifications of the work can be seen on and after the 28th July, 1899, at the office of the Superintending Engineer, Cornwall, where forms of tender can be obtained.

In the case of firms, there must be attached the actual signatures of the full name, the nature of the occupation and place of residence of each member of the same, and further, an accepted bank cheque, for the sum of $250.00 must accompany the tender. This accepted cheque must be endorsed over to the Minister of Railways and Canals; and will be forfeited if the party tendering declines entering into contract for the work, at the rates and on the terms stated in offer submitted. The accepted cheque thus sent in will be returned to the respective parties whose tenders are not accepted.

This Department does not, however, bind itself to accept the lowest or any tender.

By order,

L. K. JONES,

Dept. Railways and Canals, Secretary.
Ottawa, 24th July, 1899.

Newspapers inserting this advertisement without authority from the Department, will not be paid for it.

Galvanized pipe is quoted as follows : ½ inch, $6.50 ; ¾ inch, $8 ; 1 inch, $11; 1¼ inch, $15.25; 1½ inch, $19 ; 2 inch, $27.

PIG LEAD — The demand is fair and prices unchanged at last week's advance. We quote : 4½ to 4¾c. per lb.

LEAD PIPE—Business is good. We quote: Ordinary pipe, 7c. ; waste, 7½c. Discount, 20 per cent.

RANGE BOILERS — The demand keeps good with prices firm and unchanged. We quote: Galvanized, 30 gals., $9; 35 gal., $10; 40 gal., $11. Copper, 30 gal., $22 ; 35 gal., $26 ; 40 gal., $30; discount off copper boilers, 10 per cent.

SHEET ZINC—Trade is fair at 8¼ to 8½c. for cask and smaller quantities respectively.

SPELTER—There is not much doing. We quote 7½ to 7¾c. per lb.

SOLDER—Trade is good. We quote : 20 to 21c. for half-and-half ; 19 to 20c. for refined, and 17 to 18c. for wiping.

ANTIMONY — Trade is quiet and featureless at 11 to 11½c. for Cookson's.

SOIL PIPE—Trade is fair. Discount, 50 and 10 per cent.

GLASS.

There is a moderate demand from stock. No import arrivals are reported. Prices are firm, both locally and in the primary market. We quote : Star, first break in 50-foot boxes, $2, and in 100-foot boxes, $3.75 ; double diamond under 25 united inches, $6, Toronto Hamilton and London ; terms 4 months or 3 per cent. 30 days.

PAINTS AND OILS.

Business is dull. The market is steady, prices showing practically no difference from last week. We quote :

WHITE LEAD—Ex Toronto, pure white lead, $6.12½; No. 1, $5.75; No 2, $5.37½; No. 3, $5 ; No. 4, $4.62½ ; dry white lead in casks, $5.10.

RED LEAD—Genuine, in casks of 560 lb., $4.90 to $5 ; ditto, in kegs of 100 lb., $5.15 to $5.50; No. 1, in casks of 560 lb., $4.75 ; ditto, kegs of 100 lb., $5.

LITHARGE AND ORANGE MINERAL—Litharge, 6 to 6½c. ; orange mineral, 7½ to 8½c.

WHITE ZINC—Genuine, French V.M., in casks, $7 to $7.25 ; Lehigh, in casks, $6.

PARIS WHITE—90c.

WHITING — 55c. per 100 lb.; Gilders' whiting, 85c.

GUM SHELLAC—In cases, 24c.

PLASTER PARIS — Ordinary, $1.75 per barrel ; New Brunswick, $2 to $2.20 per barrel.

PUMICE STONE—Powdered, $2.50 per cwt. in barrels, and 4 to 5c. per lb. in less quantity ; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, $1 per gallon; No. 1 quality, 90c. per gallon.

76,800 Daily Production
5 Factories
5 Brands

For Sale all over the world.

16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of America.

NICHOLSON FILES

NICHOLSON FILE CO., Providence, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited. Established 1773.

Manufacturers of **Polished, Silvered, Bevelled Chequered, and Rough Plate Glass.** Also of a durable, highly-polished material called "**MARBLETTE,**" suitable for Advertising Tablets, Signs, Facias, Direction Plates, Clock Faces, Mural Tablets, Tombstones, etc. This is supplied plain, embossed, or with incised gilt letters **Benders, Embossers, Brilliant Cutters, etc., etc.** Estimates and Designs on application.

Works : Ravenhead, St. Helens, Lancashire. Agencies : 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow 12 East Parade, Leeds, and 136 Paradise Street, Birmingham. Telegraphic Address; "Glass, St. Helens." Telephone No. 68 St Helens.

SEAL OIL—59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9c. per lb. and 10c. for single tins.

LINSEED OIL — Outside western points (freight allowed) : Raw, 1 to 4 barrels, 57c.; boiled, 1 to 4 barrels, 60c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE — Outside western points, freight allowed, 1 to 4 barrels, 65c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

HIDES, SKINS AND WOOL.

HIDES Deliveries continue large. Prices are steady, but unchanged. We quote cowhides : No. 1, 8¼c.; No. 2, 7¼c.; No. 3, 6¼c. Steer hides are worth ½c. more. Cured hides are worth 9c.

SKINS—There is no change. Prices are steady. We quote as follows : No. 1 veal, 8-lb. and up, 9c. per lb.; No. 2, 7c. ; dekins, from 30 to 35c. ; culls, 15 to 20c. Sheepskins are worth 90c. to $1, and lambskins, 30c.

WOOL — There is an improvement in deliveries, caused by the advance of ½ to 1c. in fleece wool. We quote fleece at 14 to 14¼c., and unwashed at 8 to 9c.

OLD MATERIAL.

There is an excellent demand. Prices are unchanged throughout. We quote as follows : Agricultural scrap, 55c. per cwt.; machinery cast, 60c. per cwt. ; stove cast scrap, 45c.; No 1 wrought scrap, 55c. per 100 lb.; new light scrap copper, 12½c. per lb.; bottoms, 11c. ; heavy copper, 15c.; light scrap brass, 7½c.; heavy yellow scrap brass, 10c.; heavy red scrap brass, 11c.; scrap lead, 2½c.; zinc, 3c ; scrap rubber, 4c.; good country mixed rags, 65 to 75c.; clean dry bones, 45 to 50c per 100 lb.

PETROLEUM.

There is no change in prices, but a small improvement in the demand is noted. We quote in barrels, Toronto, as follows : Canadian, 14c. ; Sarnia prime white, 14c.; Sarnia water white, 15c. ; photogene, 15½c. ; American water white, 16½c. ; Pratt's astral, 18c.

COAL.

The demand continues brisk. Prices are firm, but unaltered. We quote as follows : Anthracite for July delivery at Buffalo and bridges : Egg, stove and nut, $4.50 per gross ton, or $4.01 per net ton ; grate, $4.25 per gross ton or $3.79 per net ton.

MARKET NOTES.

Pig tin is now quoted as high as 36c. per lb.

Brown's pipe tongs have been advanced 20 per cent.

Curry combs of Canadian make are 10 per cent. dearer.

The base price of smooth steel wire has been advanced to $2.85 per 100 lb.

Skate straps will be higher next season prices having been advanced 20 per cent.

Rice Lewis & Son, Limited, are showing a line of megaphones of various sizes. Hardware men who are near summer resorts should experience a good demand for them.

ALABAMA'S PIG IRON OUTPUT.

The total of pig iron shipments from Alabama and Tennessee furnaces during June was slightly over 150,000 tons, which is 12,000 tons in excess of any previous month's business. Of this amount, the Birmingham district furnished over 90,000 tons. In the same month, 14,000 tons of pig iron were exported, practically all of this coming from Birmingham.

The field shipped 15,000 tons of cast iron pipe last month, the Birmingham district furnishing over 6,000 tons of this amount. Of this 150 tons were exported.

Total movements of pig iron from Alabama and Tennessee furnaces, 757,796 tons, an increase over the same period last year of 137,698 tons or 22 per cent. Total movements of pig iron from the Birmingham district alone, 451,019 tons, an increase over same period last year of 68,031 tons or 18 per cent.—American Manufacturer.

CANADIAN PRODUCTS WANTED.

The following inquiries were received at the High Commissioner's office, London, Eng., recently for Canadian products :

A firm in London, who do a large business in all kinds of fruit pulps, canned goods, etc., desire to have the names of Canadian exporters of the first-named class of goods.

An inquiry has been received for the names of hosiery manufacturers who have hosiery waste to dispose of.

The addresses of Canadian exporters of evaporated fruit rings are asked for.

[Information in regard to any of the above, sent to HARDWARE AND METAL will be forwarded to destination.—THE EDITOR.]

BARGAINS IN BICYCLE TIRES.

Rice, Lewis & Son, Limited, have bought a consignment of bicycle tires which were made in excess of an order given by one of the tire companies. By having the original name on the tires buffed off, Rice, Lewis & Son, Limited, are enabled to offer them at 25 to 30 per cent. less than the same tires could have been sold at had the original name been allowed to remain upon them.

PIG IRON FAMINE.

A despatch from Cleveland reads : "The pig iron famine that was predicted several weeks ago appears to have materialized. The brokers in this city say the dealers are not trying to sell iron for shipment before January 1, next, and none is to be had for shipment sooner than September 1. There will be a long period at the end of the year, it is predicted, when there will be nothing but contract iron. A large percentage of the manufacturers, the per cent. being placed as high as 40, are depending entirely upon wild iron, and it is said that most of these will have to close down. About a week ago a manufacturer gave a broker in this city an order for 1,500 tons of iron, but the broker has been unable to get it."

A recent issue of The Canadian Mining Gazette, Toronto, notes that development work has been going on steadily at the Belmont iron mine in which T. D. Ledyard, of Toronto, and others are interested. An experimental shipment of 100 tons has been made to Glasgow, and it is stated that an inquiry for 20,000 tons was received recently from Germany. Samples from Nichol Pit showed 65 per cent. iron, .013 in phosphorus, and 0.10 in sulphur. Samples analyzed by W. J. Rattle showed 64.88 per cent. metallic iron, .003 phosphorus, 5.11 silica and no sulphur.

We Want Your Axe Order FOR FALL SHIPMENT.

Kindly hold it till our representatives call on you.

James Warnock & Co., - Galt, Ont.

COW TIES

Greening's Patent

We make the following :

Open Ring, six sizes.
Small Closed Ring, six sizes.
Large Closed Ring, six sizes.
Three Chain, six sizes.
Greening's Special Tie with Stall Fixtures, five sizes.

Our ties have stood the test for years and are undoubtedly the best in the market. Send for new price list. For sale by all jobbers.

THE . . .
B. GREENING WIRE CO., HAMILTON . . . and MONTREAL.

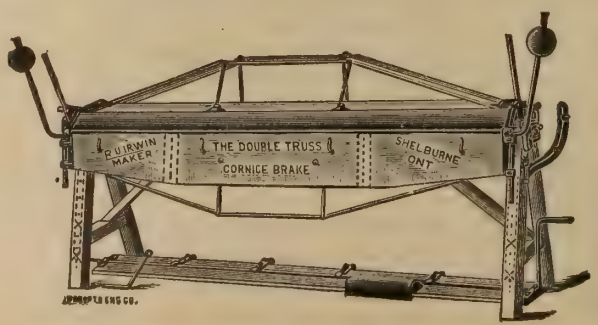


Geo. D. Wood & Co.
WINNIPEG, MAN.

Importers of and Dealers in
SHELF AND HEAVY
HARDWARE, PAINTS, OIL, GLASS, PUMPS, ETC.

Stock now **complete** in seasonable lines. **Prompt** shipment.

Letter orders receive **special** attention.



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

Price, $50

Very handy beader attachment, $10 extra, if required.

Send for circulars and testimonials to

The Double Truss Cornice Brake Co. SHELBURNE, ONT.

MANITOBA MARKETS.

WINNIPEG, July 24, 1899.

There is no change in this market for the week. Business continues exceptionally good, and the demand for harvest tools is active at the present time.

Country dealers are also increasing their early orders of binder twine, in anticipation of the heavy crop. We quote:

Barbed wire, 100 lb	$3 75
Plain twist	3 75
Staples	4 25
Oiled annealed wire, 10	3 16
" 11	3 22
" 12	3 35
" 13	3 40
" 14	3 50
" 15	3 60
Wire nails, 30 to 60 dy, keg	3 35
" 16 and 20	3 40
" 10	3 50
" 8	3 65
" 6	3 70
" 4	3 90
" 3	3 85
Cut nails, 50 and 60 dy	2 65
" 20 to 40	2 70
" 10 to 16	2 75
" 8	2 80
" 6	2 85
" 4	3 15
" 3	3 40
" 3 fine	3 70
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No. 1	4 25
No. 2 and larger	4 00
Snow shoes, No. 0 to No. 1	4 70
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 70
No. 2 and larger	4 45
Extra light	4 65
Bar and band iron, $2.50 basis.	
Swedish iron, $5 basis.	
Tool steel, Black Diamond, 100 lb	8 75
Jessop	12 75
Sheet iron, black, 10 to 12 gauge, 100 lb.	3 25
14 to 26 gauge	3 50
28 gauge	3 60
Galvanized American, 16 gauge	4 25
18 to 22 gauge	4 50
24 gauge	4 75
26 gauge	5 00
28 gauge	5 25
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 55
26 gauge	8 80
28 gauge	8 00
Tinplate, IC charcoal, 20 x 28, box	9 50
" IX "	11 50
" IXX "	13 50
Ingot tin	31
Canada plate, 18 x 21 and 18 x 24	3 25
Sheet zinc, cask lots, 100 lb	8 50
Broken lots	9 00
Pig lead, 100 lb	4 25
Wrought pipe, black up to 2 inch	50 p.c.
" Over 2 inch	50 and 10 p.c.
Rope, sisal, 7-16 and larger	11 50
" ⅜	12 00
" ¼ and 5-16	12 50
Manila, 7-16 and larger	13 00
" ⅜	13 50
" ¼ and 5-16	14 00
Solder	19
Cotton, all sizes, lb	15
Axes, per box	$5.50 to 8 00
Screws, flat head, iron	80, and 5 p.c.
Round " "	70 and 10 p.c.
Flat " brass	70 and 10 p.c.
Round " "	65 p.c.
Bolts, carriage 5-16 and smaller	50 p.c.
⅜ and larger	45 p.c.
Machine	45 p.c.
Tire	60 and 10 p.c.
Sleigh shoe	65 p.c.
Rivets, iron	37½ p.c.
Copper, No. 8, lb	33½ c.
Spades and shovels	
Harvest tools	62½ p.c.
Axe handles, turned, s. g. hickory, doz	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 65
No. 1	1 25



RIGID, DURABLE, ECONOMICAL.

Actual tests made proove that **Hayes' Patent Steel Lathing** requires 60 per cent. less mortar than lower-priced kinds.

It is easily applied—clinches and holds the mortar firmly—is fire, water, and vermin proof, and not only makes a better, quicker job, but costs less in the end.

Used in the best buildings by practical far-seeing builders.

Full information in our Catalogue.

THE METALLIC ROOFING CO., Limited

1179 King St. West, TORONTO.

Linseed oil, raw, per gal	61
" boiled "	64
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	25 p.c.
" military	15 p.c.
American R.F.	35 p.c.
C.F. pistol	5 p.c.
C.F. military	Net.
Loaded shells, Robin Hood, M	$20 00
Eley's soft, 12 gauge	15 00
chilled, 12 guage	16 50
soft, 10 guage	20 00
chilled, 10 guage	21 00
American, M	16 25
Shot, Ordinary, per 100 lb	6 50
Chilled	7 00
Powder, F.F., keg	4 75
F.F.G.	5 00
Robin Hood	10 00
Tinware, pressed, retinned, 70 and	12½ p.c.
" " plain, 70 and	20 p.c.
Graniteware, according to quality, 60 and	10 p.c.
Turpentine, by barrel	72c.
Less than barrel	77c.

TRADE CHAT.

STIRRETT & CO., general merchants, Petrolia, Ont., have announced that they will close their store early in August, and are now selling out.

Strathroy, Ont., is offering inducements to manufacturers to settle in that town.

T. & W. Millar, hardware dealers, Portage la Prairie, Man., intend erecting a large business block in that town.

The Gurney-Tilden Co., Limited, and D. Moore & Co., Limited, Hamilton, have given their stove-moulders a 10 per cent. increase in their wages.

Most of the gold brought down in two steamers from the Klondyke to Victoria, B.C., was consigned to Canadian banks. The amount brought down was estimated at between $2,500,000 and $3,500,000.

A despatch from Philadelphia states that the demand for iron and manganese ores is so great that shipments are being received from British India, the Black Sea and Mediterranean districts, Rio Janiero and Newfoundland. From the last mentioned point, 1,000 tons of ore have already been shipped.

H. J. Walker & Son have sold their hardware business in Warkworth, Ont., to Boyce Bros., who will continue the business.

The Northern Elevator Co., The Manitoba Elevator Co., and Bready, Love & Tryon, elevator owners in Manitoba and the Northwest, have formed a combine to reduce the cost of handling grain, and prevent needless duplication of elevators.

The U. S. Geological Survey's report places the production of copper in the United States during 1898 at 526,375,591 lb., which is much the greatest production ever recorded. The State of Arizona made the greatest advance in production.

The establishment of large smelting works and rolling mills at Sydney, Cape Breton, is bound to boom that town. The first evidence of this is reported by a correspondent who writes that miners to the number of 5,000 have arrived or are expected in that town in a few days.

The Waterous Engine Works Co., Limited, The Massey-Harris Co., Limited, and The Cockshutt Plow Co., Brantford, Ont., the firms whose properties are situated on the banks of the Grand river, which has done much damage by floods, have offered the Brantford council $2,500 as their share of flood prevention work.

FACTORY LOCATION WANTED.

W. M. Purdy, 45 City Councillors street, Montreal, is advertising for a location for a factory, within 100 miles of Montreal, employing 200 to 300 hands. This is understood to be for a canning company and that a municipal bonus is wanted.

CANADA'S GREATEST FAIR.

This year will mark the coming of age of Canada's Great Fair and Industrial Exposition, which will be held in Toronto from August 28 to September 9. It is just 21 years since Toronto Exhibition was established as an annual institution under the present management. During that time it has increased five fold in every direction, and to-day can fairly lay claim to have assumed a national character. Last year upwards of 300,000 people attended, and this year such arrangements are being made as will warrant the expectation of a still larger attendance. Many entirely new features will be presented, while the exhibits, with an increased amount given in prizes (totaling $35,000), will undoubtedly crowd the 600,000 dollars' worth of buildings to their utmost. The usual brilliant military spectacles will be given, illustrating recent famous feats of arms on land and sea by both England and America, and arrangements have been made for an illustration of wireless telegraphy, wireless telephoning and the improved X rays. In short, the Exhibition will be more than ever up-to date.

NEW INVENTIONS.

The following inventors have recently been granted patents by the Canadian Government through the agency of Marion & Marion, New York Life building, Montreal: 63353, Emery Coulon, Blaton, Belgium, manufacture of artificial stone; 63348, Sauveur Turcotte, Ste. Agathe de Lotbiniere, P.Q., acetylene gas generator; 63390, Alex. Krefting, Christiana, Norway, manufacture of organic products from seaweeds; 63384, Auguste Wartenwoiler et al. Engwang, Switzerland, automatic apparatus for production of acetylene gas; 63385, Joseph Alfred Plante, Quebec, P.Q., acetylene gas generator; 63409, George Adams, Franklin Centre, P.Q., combined needle and thread holder.

A CUTLERYMAN'S TRIP WEST.

Mr. A. H. Symonds, representing George Butler & Co., Limited, Trinity cutlery works, Sheffield, and other English and American manufacturers, last week returned from the Northwest and British Columbia.

"I am well satisfied," he said in reply to a question from HARDWARE AND METAL. "with my trip, for I did much better than even I expected."

Mr. Symonds has not been through to the Coast for several years, and he is much impressed with the improvements which have taken place since his previous visit.

He leaves for the Maritime Provinces on August 1.

SEALED TENDERS addressed to the undersigned and endorsed "Tender for Supplying Coal for the Dominion Buildings," will be received at this office until Friday, 4th August, next, for the supply of Coal for the Buildings throughout the Dominion.

Specifications can be seen and forms of tender obtained at this office, where all necessary information can be had on application.

Persons tendering are notified that tenders wil not be considered unless made on the printed form supplied, and signed with their actual signatures.

Each tender must be accompanied by an accepted bank cheque, made payable to the order of the Honorable the Minister of Public Works, equal to ten per cent. of amount of tender, which will be forfeited if the party decline to enter into a contract when called upon to do so, or if he fail to complete the work contracted for. If the tender be not accepted, the cheque will be returned.

The Department does not bind itself to accept the lowest or any tender.

By order,
E. F. E. ROY,
Secretary.

Department of Public Works,
Ottawa, July 8th, 1899.

Newspapers inserting this advertisement without authority from the Department will not be paid for it. (30)



Ontario Nut Works, Paris
BROWN & CO.
Manufacturers of
All sizes of Hot Pressed Nuts, Square and Hexagon

Buy the Best.



HERCULES
Sash Cord.

Star Brand Cotton Rope
Star Brand Cotton Clothes Lines
Star Brand Cotton Twine

For Sale by all Wholesale Dealers

The Nation's Holiday!
1899
Canada's Great
EXPOSITION
AND
INDUSTRIAL FAIR
TORONTO
Aug. 28 to Sept. 9, '99

ALL UP-TO-DATE ATTRACTIONS
PROGRESS OF THE CENTURY
Illustrated in the World's Inventions – Wireless Telegraphy, Wireless Telephoning, Improved X Rays.
GRAND MILITARY AND NAVAL SPECTACLES
Famous English and American Battles Depicted
Marvellous Entertainment Features.
The Best Fair, The Cheapest Fair.
The Greatest Annual Fair on Earth.
ENTRIES CLOSE AUG. 5th
EXCURSIONS ON ALL LINES OF TRAVEL
For Prize Lists, Entry Forms, and all particulars address
J. J. WITHROW, *President.* H. J. HILL, *Manager*, TORONTO.

Standard Steel Toe Calks

Sizes of Blunt:





WRITE FOR DISCOUNTS.





Sizes of Sharp Calks below for Fall of 1899:

NO.	LENGTH.	SIZE.
0	1½ inch	3/8 x 5/16
1	1½ "	1/2 x 5/16
2	1¾ "	9/16 x 3/8
3	2 "	5/8 x 3/8
4	2¼ inch	3/4 x 3/8
5	2½ "	3/4 x 3/8
6	2¾ "	7/8 x 7/16
7	3 "	7/8 x 7/16

Price, $1.25 per box of 25 lbs. in bulk.
Or 24 lbs. in 4-lb. packages.

NO.	LENGTH.	SIZE.
0	1½ inch	9/16 x 3/8
1	1¾ "	9/16 x 3/8
2	2 "	11/16 x 7/16
3	2¼ "	3/4 x 1/2
4	2½ inch	3/4 x 1/2
5	2¾ "	15/16 x 9/16
6	3 "	15/16 x 9/16

Price, $1 50 per box of 25 lbs. in bulk.
Or 24 lbs. in 4-lb. packages.

JAMES PENDER & CO., Limited, Sole Mfrs. Saint John, N. B., Canada.

EXTENDED INSURANCE.

One of the many liberal features embodied in the **UNCONDITIONAL ACCUMULATIVE POLICY** issued by the

Confederation Life Association.

HEAD OFFICE--TORONTO.

is the provision for Extended Insurance. After two full annual premiums have been paid, the insured is entitled to Extended Insurance for the full amount of the policy for a term of years definitely stated therein. Paid-up and Cash Values also guaranteed.

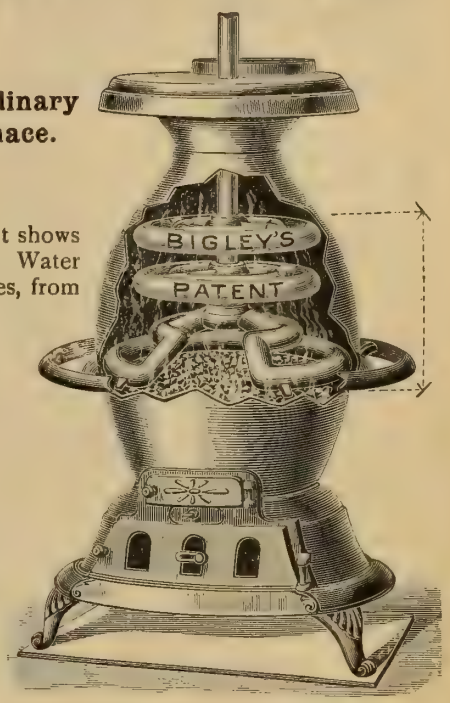
Rates and full information sent on application to the Head Office, Toronto, or to any of the association's agents.

W. C. Macdonald, Actuary.

J. K. MACDONALD, Managing Director

How to Make a Hot-water Heater

out of an ordinary stove or furnace.



The accompanying cut shows the Patent Bigley Water Heater, made in 7 sizes, from 12 to 28 inches in diameter. Manufactured from cast iron, and put together with wrought iron nipples. Tested to 150 lbs. pressure. It does not interfere with the heating capacity of a stove or furnace, but adds 50 per cent. to it. Saves one-third in fuel.

Capacities Guaranteed.

Send for Catalogue.

R. BIGLEY

96 and 98 Queen St. East **TORONTO.**

Cheap Fetchers and Carriers of Inexpensive Daylight.

"Luxfer Prism windows and pavement lights are a boon to progressive and thrifty merchants."



EATON'S—WITH LUXFER PRISMS.



EATON'S—WITH PLATE GLASS.

WE REST OUR CASE

upon a comparison between the amount required to light your store with Luxfer Prisms and the amount of your artificial light bills.

WRITE TO

Luxfer Prism Co., Limited.

58 Yonge St., Toronto

HEATING AND PLUMBING

PLUMBING AND HEATING CONTRACTS.

THE Bennett & Wright Co., Limited, Toronto, have the contract for heating and ventilating the new offices for The Consumers' Gas Company on Toronto street, and for heating and plumbing in a large mushroom house for Harry Webb, Toronto.

J. Lamarche, Montreal, has a contract for the roofing, plumbing and heating of a church at St. Anne Deplante.

J. H. Hughes, Montreal, has the contract for plumbing and heating six houses, corner of Aylmer and Berthelet streets.

Denman & Bethune, Montreal, have just finished the roofing and plumbing of the Church of the Holiness Movement on Bluery street.

Marier & David, Montreal, have a contract for plumbing and heating a house on St. Vincent street; also the repairs at the civic hospital.

Ogilvy Bros., Montreal, have the following contracts under way: Heating a house for Mrs. Newman and heating for J. A. Mathewson & Co.'s store on McGill street.

Blouin, Delforse & Latourelle, Montreal, have the following contracts: Heating stores on Notre Dame street for Congregation of Notre Dame; plumbing of four tenements City Hall avenue; heating Fogarty's and Dupuis Freres' stores on St. Catherine street.

Purdy, Mansell & Co., Toronto, have contracts for heating four residences at Macdonald avenue and one residence on Marion street, for The York County Loan and Savings Co., and for plumbing, heating and gas-fitting in a large residence on Huron street and Lowther avenue for C. A. Dinnock.

TENDERS ASKED FOR.

Tenders are asked for plumbing and heating Parent's hotel on Frontenac street, Montreal; also for heating churches at Stottville and St. Julie.

TORONTO MASTER PLUMBERS MEET.

The regular monthly meeting of The Toronto Master Plumbers' Association was held on Monday evening. The president, James H. Wilson, occupied the chair.

As this was the first meeting of the association since the Ottawa convention, the delegates' report was presented by J. H. Wilson.

The agreement with the Journeymen Plumbers' Union which was made by the committee appointed at the last meeting was ratified. It was decided that this agreement should be typewritten, and a copy sent to every master plumber in Toronto.

DIRECT HOT-WATER RADIATORS.

The most convenient form of heating surface for direct heating is the cast iron radiator. These are now made in such a variety of styles and designs, by reputable manufacturers, that one can easily suit his own or his customer's taste.

Wrought iron pipe coils make very effective heating surface and can be used to advantage where the pipes have a long run. Wall circulation is the best form of pipe coils.

Direct radiators, when tapped as follows for flow and return pipes, have uniformly given good results:

0 to 75 square feet, tapped ¾ inch, first floor.
75 to 50 square feet, tapped 1 inch, first floor.
50 to 100 square feet, tapped 1¼ inch, first floor.
100 and over square feet, tapped 1½ inch, first floor.
0 to 70 square feet, tapped ¾ inch, second floor.
70 to 70 square feet tapped 1 inch, second floor.
70 to 125 square feet tapped 1¼ inch, second floor
125 and over square feet, tapped 1½ inch, second floor.

To determine the amount of radiating surface necessary to easily warm a building in all weather, and to so proportion it that each room will have the required temperature at the same time, calls for the best judgment of the engineer. The correct solution of this problem must depend largely upon the experience of the fitter, for no rule or formula can be applicable in all cases.

If the building has an average wall and glass exposure, the amount of surface can be determined by the use of the following ratios:

TABLE OF RATIOS

	1 sq. ft. of radiating surface will heat
Dwellings—	
Living rooms, one side exposed	30 cubic ft.
Living rooms, two sides exposed	28 cubic ft.
Living rooms, three sides exposed	25 cubic ft.
Sleeping room	From 30 to 40 cubic ft.
Hall room	From 20 to 3 cubic ft.
Bath room	From 20 to 30 cubic ft.
Public Buildings—	
School room	From 30 to 50 cubic ft.
Offices	From 30 to 50 cubic ft.
Factories	From 50 to 70 cubic ft.
Stores	From 50 to 70 cubic ft.
Auditoriums	From 80 to 100 cubic ft.
Churches	From 80 to 10 cubic ft.

The above ratios are for direct heating, and an average temperature of 160 degrees Fahrenheit in the water.

If the direct radiators are used, allow not less than 50 per cent. more surface, and for direct-indirect 25 per cent. more.—National Builder.

TORONTO BUILDING PERMITS.

Building permits have been issued in Toronto to F. B. Poucher, for a pair of semi-detached brick residences on Parliament street, near Duke, to cost $8,000; to Joseph Simpson & Sons, for a five-storey addition to a knitting factory at 8 Berkeley street, to cost $5,500; to Marshall Coates, for four two-storey and attic brick residences at the corner of Spadina avenue and Camden street, to cost $6,000; to the York County Loan and Savings Co., for a two-storey and attic brick and stone residence on Marion street, to cost $1,800.

PLUMBING AND HEATING NOTES.

Plans are being prepared for a new hotel at St. Agathe.

L. Girard & Co., plumbers, Mile End, Que., have dissolved.

F. C. Hunt, plumber, London, has suffered damage by fire.

The bailiff is in possession of John Corneil's plumbing business in Ottawa, for rent.

Emma L'Henreux, wife of Lucien Girard, has registered as proprietress of L. Girard, jr. & Co., Montreal.

The annual picnic of the Montreal Plumbers' Association will be held on August 26 at Otterburn Park.

The Board of Education of Owen Sound, Ont., have been authorized to issue a by-law for an $18,000 high school.

HE RIDES AN IVER JOHNSON.

The Iver Johnson's Arms and Cycle Works, of Fitchburg, Mass., secured a good advertisement on July 4, when The American Biograph Company biographed Kilpatrick, the one-legged cyclist, in his sensational step-riding act before 20,000 people at the Point of Pines, Boston. This daring rider uses the Iver Johnson bicycle in all his work, and, as these pictures will be shown at all the Keith theatres, with their famous biograph machines, thousands of people will gain an idea of the great strength of the wheel subjected to the terrible strain of this ride.

The imports into Brantford, Ont., for the year ending June 30 were $1,262,188 as compared with $1,140,163, showing an increase of $122,025 in the year. The exports for the past year were $1,014,885 as compared with $1,017,597 in the year previous, a decrease of $2,712.

SEND for specimen copy of Phillips' Monthly Machinery Register, containing over 5,000 entries of new and second-hand machinery of every description. The oldest established and most successful medium in the world. Established 25 years for the purpose of introducing those who have machinery for sale, to those who wish to buy, has a circulation of about 50,000 copies per annum, all over the world, and is used for continual reference by a large number of firms. It is consequently a most valuable advertising medium for all engineers and manufacturers. Subscription 6s. per annum, price per copy, 6d. Sole Proprietor, CHAS. D. PHILLIPS, M.I.M.E., Newport, Mon., England. Telegraphic address: "Machinery, Newport, Mon."

The Syracuse Smelting Works

ARE MANUFACTURERS OF

Plumbers' and Tinsmiths' Solder

of highest quality. Highest market prices paid for old Brass and Copper.

SYRACUSE SMELTING WORKS

MONTREAL.

We are the Oldest and Largest Manufacturers of

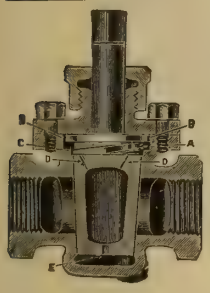
SCREWS and BICYCLE PARTS

in the Dominion. You know what that means, that if you want proper goods at proper prices you should write us, which please do if interested.

The...

John Morrow Machine Screw Co.

Ingersoll - Ontario.



A perfect

Blow-off Cock

is found in the

Homestead Patent

Has Balanced Plug.
Always Works Easy.
Does Not Leak.

THE James Morrison Brass Mfg Co. LIMITED TORONTO.



THE

Copp Heater

PATENTED

This heater has been an extraordinary success. In Winnipeg we know of an instance where it heated a store containing 21,168 cubic feet, and was the only stove used.

This year we have added several impovements, also **a smaller size,** burning 27-inch wood.

Every dealer ought to keep the Copp Heater before his customers. There's fame and money in it for you.

Made only by

THE COPP BROTHERS CO., Limited

HAMILTON.

HARRINGTON & RICHARDSON ARMS CO.

WORCESTER, MASS., U. S. A.



Makers of High Grade REVOLVERS

SEND FOR COMPLETE CATALOGUE.

For sale by Sporting Goods and Hardware Stores almost everywhere.

Toronto Foundry Co.

Manufacturers of SOIL PIPE, FITTINGS, SINKS, BOILER STANDS.

Nos. 146-148-150 Niagara Street, TORONTO

The only Exclusive Manufacturers of Soil Pipe and Soil Pipe Fittings in Canada. . . . . .

All goods stamped T. F. Co. are warranted.

Ride Good Tires



Samson
New York
C. R. Co.
} Tires are Good Tires.

Write for Catalogue and Prices

NEW YORK TIRE CO. - - Toronto, Ont.

MORE MISSING LETTERS.

Being up in town recently on a flying visit, I saw, over the shop of a West-end ironmonger, a puzzling inscription, which read thus:

SHIN IRONMONGER

L K MIT BELLHANGER

I at first thought it was meant to indicate two names, but, not feeling certain, retired to the edge of the pavement to get a better view of the establishment, whereupon I discovered over the door a third name, and, ultimately, the clue to the conundrum.

As your readers may have guessed by this time, the mysterious words are merely parts of such ordinary inscriptions as:

Furnishing ironmonger,
Locksmith, bellhanger.

But the way in which the letters had dropped off certainly gave to the casual passer-by the impression that the establishment was owned by a firm of two partners. I may be accused, perhaps, of making too much of this hiatus eyesore, but it is really a more important matter than some tradesmen appear to think. Why ironmongers, of all persons in the world, should be the most careless in this particular respect puzzles me exceedingly.—Correspondent in Ironmonger.

COAL SHIPMENTS FROM FERNIE.

The shipments of coal and coke from Fernie in the month of June were about the same as during May, viz., 10,000 tons of coal, and 2,000 tons of coke. The demand for coal in the East is somewhat less, in consequence of the warm weather. In fact, this remark applies generally to the domestic trade; but shipments of steam coal are on the increase, and, of course, the demand for coke is in excess of present production. It is also gratifying to find that this coal is increasing in favor for blacksmith purposes, and is rapidly displacing the Pennsylvania coal.

Development work at both the mines and coke ovens is going on at a great pace. The 10-foot seam which was bored into a fortnight ago will be reached by a tunnel about the middle of next month, and shipments therefrom will follow shortly afterwards. The progress at the coke ovens has been rapid, and it now seems certain that the full number required can be built this season, viz., 250, making a total of 300. It is well to have an object in view, and the shipment of 1,000 tons per day of coal from the mines this fall, and 400 tons of coke per day from the ovens, is certainly a good mark, and there is no doubt it will be reached.—Fernie Free Press.

"GOOD CHEER"



Stoves and Ranges

A FULL LINE OF

Ranges. 4-Hole and 6-Hole, with Steel Oven.

Wood and Coal Cooks with Steel Oven.

Base Burners. Medium size, with or without Steel Oven.

Todds. Double Heaters, two sizes.

Round Oaks. Three sizes.

The James Stewart Manufacturing Co.
LIMITED
WOODSTOCK, ONT.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, **Montreal.**

Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates, Galvanized Sheets, Imitation Russia Sheets, Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.



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Petrolia, Ont.

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Oil and Artesian Well Pumps, Casing, Tubing Fittings, Drilling Tools, Tables, etc.

R. C. LeVESCONTE

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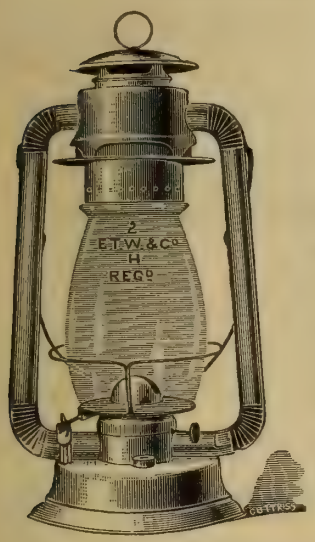
THE McKINNON BUILDING
Cor. Jordan and Melinda Streets

. . . TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.

E. T. WRIGHT & CO.

Hamilton, Canada.



"Get the Best."

Mfrs. of

Cages, Tinware, Lanterns, Traps, Stovepipe and Elbows.

Send for new Catalogue.

TRADE MARK
J
REGISTERED.

"JARDINE" TIRE UPSETTERS WILL UPSET TIRES

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.
HESPELER, ONT.

Not in the Combination

Write for prices on

MRS. POTTS SAD IRON HANDLES.

M. SCHRAYER'S SONS & CO.,

49 Blue Island Ave., Chicago, Ills.

ARE YOU A BUYER of

Hardware, Metals, Paints, Oils, etc. ?

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of any kind that is of value to business men supplied by our Bureau. We can give you market quotations from any town in Canada, reports from the city markets, stock quotations, etc. You can get commercial news from any Canadian paper through us.

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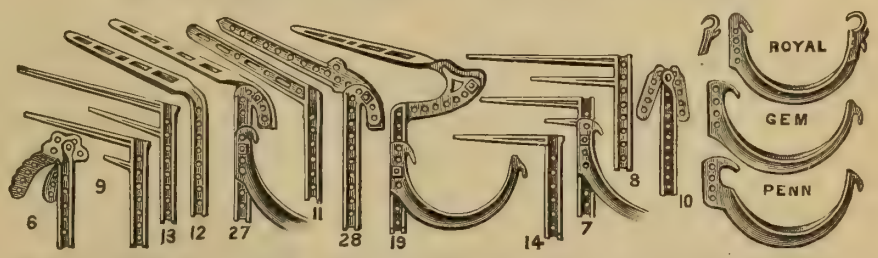
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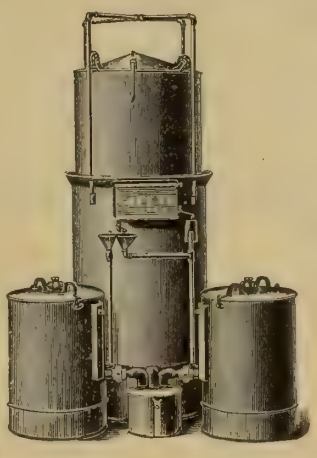
BERGER'S GUTTER HANGERS



The very best made. Strong and easy to put up and adjust. By proper selection of the shank the requirements for any style eave will be met. Other kinds of Hangers, Pipe Hooks and Fasteners, Gutter and Pipe, and a general line of

Tinners' Hardware and Roofers' Supplies.

BERGER BROS. CO, - - - - - - - PHILADELPHIA, U.S.A.



The "SAFETY"

ACETYLENE GAS MACHINE

manufactured by

The Safety Light & Heat Co.

DUNDAS, ONT.

What some of our friends say of us :

Dear Sirs,—The 10-light Safety Acetylene Gas Machine purchased from your Mr. Sparling has been in use in the office, composing and press rooms of the Vernon News since the beginning of the year, and it is giving excellent satisfaction. The light is clear, strong and much easier on the eyes than other forms of artificial light, and is admirably adapted for our purpose. The machine is easily operated and requires little attention. The automatic device for removing the ash from the carbide works to perfection. We find that there is no overgeneration of gas and consequently no waste. The ash is always dry when removed. Considering the volume of light we find it more economical than coal oil, and we can confidently recommend the Safety generator as a very excellent machine.

THE VERNON NEWS PUBLISHING CO, Vernon, B.C.

HUTCHISON, SHURLY & DERRETT

DOVERCOURT TWINE MILLS.

1078 BLOOR STREET WEST, TORONTO.

Having equipped our Factory with entirely new machinery, we are prepared to furnish the best made goods in the market at closest prices and make prompt shipments.

Hand Laid Cotton Rope and Clothes Lines,
Cotton and Russian Hemp Plough Lines, plain and colored.
Cotton and Linen Fish Lines, laid and braided.
Netted Hammocks, white and colored, Tennis and Fly Nets.
Skipping Ropes, Jute, Hemp and Flax Twines.

AN INTERESTING CASE.

Bank of Hamilton vs. Imperial Bank of Canada.—Judgment in action tried without a jury at Toronto. Action to recover from defendants $495 paid by plaintiff to defendants under the following circumstances: One Carl Bauer had an account with the Bank of Hamilton in Toronto, and, on January 25, 1897, there was to his credit the sum of $10.23. He drew a cheque for $5 and had it marked good at the bank. He drew it in such a way that there was room to fill in other words and figures in the cheque, and after the marking he filled it in so as to make it a cheque for $500. This cheque so altered he took to the agency of the Imperial Bank at the corner of Yonge and Queen streets, deposited it to the credit of an account which he there opened. He then drew cheques upon this new account to the extent of $485 and got the money therefor. Bauer had been for some time employed in Toronto as agent for The Metropolitan Life Insurance Company, and being known at the different banks, no suspicion was felt as to the genuineness of the cheque. He was subsequently prosecuted for forgery in altering the certified cheque, and sentenced to imprisonment in the Kingston Penetentiary. The cheque so deposited with the Imperial Bank was, on the morning of January 27, sent by that bank, with the other cheques drawn upon the Bank of Hamilton, and also with the bills of that bank that had been deposited on the previous day in the Imperial Bank, and was presented at the clearing house in the usual way. Held, that the fraudulent alteration of the cheque by raising it from $5 to $500 constituted a forgery, and the condition of the cheque when certified by the bank afforded ample opportunity for the commission of the crime. But, under the law as now settled by the House of Lords, a drawee bank, in certifying a cheque, would be under no duty to take precautions against fraudulent alterations in a cheque, after certifying the same, any more than an acceptor of a bill of exchange is under a duty to take precautions against fraudulent alterations in a bill after acceptance. Schofield v. Earl of Londesborough (1895), 1 Q.B., 536 and (1896), A,, 514. Held also that the claim of plaintiffs against defendants in respect to the excess of the sum appearing on the cheque over the amount at which it was certified, is not in any way prejudiced by the rules of the clearing house. There was no negligence on the part of the plaintiffs, as the course they pursued in regard to the certified cheques was the one universally adopted by the banks since the establishment of the clearing house; and the holders of the cheques, the Imperial Bank, were not deprived of any rights, nor was their position altered by reason of notice of the forgery not being given until the following day. Judgment for plaintiffs for $495 and costs.

CAPITAL CITY BUSINESS COLLEGE.

A. M. Grimes, M.A., Principal.

Shorthand, Bookkeeping, Penmanship, Telegraphy, Business Correspondence and Proofreading. Pitman's or Munson's Shorthand, per month, $4 00. White's Phonography, per month, $8.00. Telegraphy, per month, $8 00. Bookkeeping and Business Practice, per course, $35,00. Bookkeeping and Business Practice, per month $5.00. Penmanship, per month, $3.00. Night School, per month, $3.00. Private Lessons, each, $1.00. Address, A. M GRIMES, Principal, Cor. Bank and Sparks Sts., Ottawa.

FOR SALE.

A NEW MARLIN RIFLE

Never been used. Just the Rifle for practice. Price $30. Will take $20.

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If your Jobber does not keep our steel letters and figures send to us direct, we make everything in steel stamps.

HAMILTON STAMP & STENCIL WORKS
Hamilton, Ont.

D. F. Jones Manufacturing Co. Limited, of Gananoque, Ont.

Established 1852.

Shovels
Spades
Draining Tools

TRADE MARK J D.F.J.MF'G.CO.

Grain and Coal Scoops and Miners' Shovels

The only Canadian manufacturers of Plain Back Shovels and Spades **THAT ARE SOLID,** without weld, and graduated from socket to point, and from centre to sides, of blades.

All our goods have trade mark on the handle.

THE ABBEY IMPROVED CHILLED SHOT COMPANY, LIMITED, Newcastle-on-Tyne

All England Championship Cup, value £100, also stake £100, in all £200, on 7th December, 1898, the winner fired with our shot and writes us: "You will be pleased to hear I won the All England Championship Cup. **I fired with your chilled shot.** Indeed, I would not use any other, as I know from experience it makes the best patterns and kills best."



IRON AND BRASS

Pumps

Force, Lift and Cistern Hand and Power.

For all duties. We can supply your wants with —quality the best and prices right. Catalogues and full information for request.

THE R. McDOUGALL CO., Limited

Manufacturers, Galt, Canada.

FULL STOCK

DIAMOND BRAND



WIND GUARDS, CHIMNEY TOPS, FLUE LININGS,
CULVERT PIPES, SEWER PIPES, INVERT BLOCKS.

Manufactured by the

HAMILTON AND TORONTO SEWER PIPE CO.

Hamilton, Ontario. Limited

Syracuse Babbitt Metal

It's a Standard Quality

Lasts Longer
Keeps Cooler
Requires Less Oil

Than any other known form of . . . . **BABBITT METAL.**

Manufactured only by

Syracuse Smelting Works

MONTREAL, P.Q. SYRACUSE, N.Y.

THE . . .

Watson, Foster Company

Limited

Manufacturers of all grades of WALL PAPERS

Montreal, Canada.



The Factory Producing the Most Modern, Artistic and Profitable Line of Paper Hangings on the Continent.

Largest Collection of Samples for Season 1899-1900 ever issued—136 Combinations, from the cheapest Blanks to the most fancy Gilt Papers, including Heavy Embossed Gilts on .24-oz. stock, 21 in. wide. EMBOSSED PULP EFFECTS—the newest specialty out.

NOTE.—In order to put all our Ontario customers on an equal footing as to freight, we have decided to equalize freight with Toronto for towns West of Belleville and West and North of Toronto.

TO DEALERS who bought too hastily in previous seasons we wish to tender a timely word of advice—WAIT till our representative calls on you in a few days with our interesting range of samples, or if YOU CANNOT WAIT write or wire us, and we will arrange to give you an early opportunity to inspect our offering.

JOSEPH RODGERS & SONS

Limited

SHEFFIELD, ENGLAND.

Each blade of our Goods bears the exact mark here represented.

REGISTERED TRADE MARK. CRANTED 1682

JAMES HUTTON & CO., MONTREAL SOLE AGENTS IN CANADA.

CURRENT MARKET QUOTATIONS.

July 28, 1899.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—	
56 and 28 lb. ingots, per lb.	0 36
Straits	0 36

Tinplates.

Charcoal Plates—Bright.

	Per box
M.L.S., equal to Bradley.	
I.C., usual sizes	$6 00
I.X., "	7 25
I.X.X., "	8 50
R. & Co.—	
I.C	5 75
I.X	7 00
I.X.X	8 25
Famous—	
I.C.	5 75
I.X.	7 00
I.X.X	8 25
Raven & Vulture Grades—	
I.C., usual sizes	4 75
I.X., "	5 50
I.X.X. "	6 25
I.XXX., "	7 00
D.C., 12½x17	4 25
D.X.	5 00
D.X.X	7 00

NOTE.—Other brands might be shaded by 25c per box.

Coke Plates—Bright.

Bessemer Steel—	
I.C., usual sizes	4 35
I.C., special sizes, base	4 50
20x28	8 50

Charcoal Plates—Terne.

Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 00
I.X., Terne Tin	9 25

Charcoal Tin Boiler Plates.

	Per lb.
Cookley Grade—	
X X., 14x56, 50 sheet bxs / " 14x60 " / " 14x65, "	0 06½ 0 07

Tinned Sheets.

72x30 up to 24 gauge	0 06¼ 0 06¾
" 26 "	0 06¾ 0 07
" 28 "	0 07½ 0 07¾

Iron and Steel.

	Base	Price
Common Bar, per 100 lbs		2 00
Refined " "		2 30
Horse Shoe	2 15	2 25
Hoop steel, 1½ to 3 in. base, extras for smaller sizes		2 75
Swedish " "	4 00	4 25
Sleigh Shoe Steel " base		2 60
Tire Steel		2 50
Machinery		2 65
Cast Steel, per lb	0 10	0 14
Toe Calk Steel		2 95
Toe Weight Steel		6 10
Thos. Firth & Sons' Cast Steel	0 12	0 14
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker.	2 00	2 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½-inch	0 11
2 "	0 12
2½ "	0 14
"	

Steel Boiler Plate.

¼ inch	3 25
3-16 inch	3 40
⅜ inch and thicker	3 25

Black Sheets.

18 gauge	2 75
20 "	2 75
22 to 24 "	2 85
26 "	2 95
28 "	3 10

Canada Plates.

All dull, 52 sheets	2 75
Half polished	2 85
All bright	3 20

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ⅜ inch, $3 35 ; ½ inch, $3.40 ; ¾ inch, $4.00; 1 inch, $5.50; 1¼ inch, $7.35 ; 1½ inch, $9.25; 2 inch, $12.50. 2½ to 6 inch, discount 45 p.c.

Galvanized, ⅜ inch, $6.00; ½ inch, $6.30; ¾ inch, $8.00 1 inch, $11.00 ; 1¼ inch, $15.25 ; 1½ inch, $19.00 ; 2 inch, $27.00.

Galvanized Iron.

	G C.	Comet.	Amer.	Queen's Head
16 gauge				4 25
18 to 24 gauge	4 50			4 50
26 "	4 75			4 75
28 "	5 00			5 00

Less than case lots, 25c. per 100 lb. additional.

Chain.

Proof Coil, 3-16 in., per 100 lbs	6 75
" ¼ " "	4 75
" 5-16 " "	4 30
" ⅜ " "	4 15
" 7-16 " "	3 05
" ½ " "	3 85
" ⅝ " "	3 75
" ¾ " "	5 90
Trace, per doz. pairs	3 60
Jack chain, iron, single, per doz. yards	0 13 0 50
Jack chain, double, per doz. yards	0 15
Jack chain, brass, single, per doz. yards	20 10

Copper.

Ingot.

English B. S., ton lots	0 20 0 21
Lake Superior	

Bolt or Bar.

Cut lengths, round, ½ to ⅞ in.	0 23½ 0 25
" round and square 1 to 2 inches	0 23½ 0 25

Sheet.

Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 23 0 23½
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 23 0 23½

NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.

Tinned copper sheets	0 26
Planished	0 32

Braziers. (In sheets.)

4x6 ft. 25 to 30 lbs. ea., per lb.	0 25½
" 35 to 45 " "	0 24½
" 50-lb. and above, "	0 23½

Boiler and T. K. Pitts.

Plain Tinned, per lb	0 28
Spun, per lb	0 32

Brass.

Roll and Sheet, 14 to 30 gauge, 5 per cent.	
Sheets, hard-rolled, 2x4	0 24 0 25
Tubing, base, per lb	0 24 0 25

Zinc Spelter

Foreign, per lb	0 07½ 0 07¾
Domestic "	

Zinc Sheet.

5 cwt. casks	0 08¼
Part casks	0 08½

Lead.

Imported Pig, per lb	0 04½ 0 04¾
Domestic, per lb	
Bar, 1 lb	05¼
Sheets, 2½ lbs. sq. ft., by roll.	0 05 05¼
Sheets. 3 to 6 lbs., per sq. ft., by roll	0 04¾ 0 05

NOTE.—Cut sheets ½ cent per lb. extra

Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 20 per cent. discount

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths, lists at 7½ cents.

Shot.

Net list; no discount.

Soil Pipe.

Discount, 50 and 10 per cent.

Solder.

	Per lb.	Per lb.
Bar half-and-half	0 20	0 21
Refined	0 19	0 20
Wiping	0 17	0 18

NOTE.—Prices of this graded according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 11 0 11½

White Lead.

	Per cwt.
Pure, Assoc. guarantee, ground in oil, 25 lb. irons	6 12½
No. 1 do	5 74½
No. 2 do	5 37½
No. 3 do	5 00
No. 4 do	4 62½
Robertson's Chemically Pure	6 12½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B. B. Genuine	8 12½
" " No. 1	7 25
James' genuine	7 20
" " No. 1	6 75

White Zinc Paint.

Elephant Snow White	0 08
Pure White Zinc	0 08
No. 1	0 06
No. 2	0 05

Dry White Lead.

Pure, casks	0 05⅛
Pure, kegs	0 05⅜
No. 1, casks	0 04⅞
No. 1, kegs	0 05⅛

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)

Pure, per gallon	1 00
Second qualities, per gallon	0 90
Barn (in bbls.)	0 70 0 90
The Sherwin-Williams Paints	1 20
Canada Paint Co's Pure	1 10 1 20
Robertson's Pure	1 00 1 10
Sanderson Pearcy's Pure	1 00 1 10

Colors in Oil.

(25 lb. tins, Standard Quality.)

Venetian Red, per lb	0 05
Chrome Yellow	0 11
Golden Ochre	0 06
French "	0 05
Marine Black	0 09
" Green	0 09
Chrome "	0 08
French Imperial Green	0 19

Colors, Dry.

Yellow Ochre (J. C.) bbls. per cwt	1 35 1 40
Yellow Ochre (J.F.L.S.), bbls. per cwt	2 75
Yellow Ochre (Royal), per cwt	1 10 1 15
Brussels Ochre	2 00
Venetian Red (best). per cwt.	1 80 1 90
English Oxides, per cwt.	3 00 3 25
American Oxides, per cwt	1 75 1 90
Canadian Oxides, per cwt.	1 75 1 90
Burnt Sienna, pure, per lb.	0 10
" Umber, " "	0 10
do aw	0 09
Drop Black, pure	0 09
Chrome Yellows, pure	0 18
Chrome Greens, pure, per lb.	0 12
Golden Ochre	0 03¾
Ultra marine Blue in 28-lb boxes, per lb	0 08 0 24
Fire Proof Mineral, per 100 lb.	1 00
Genuine Eng. Litharge, per lb	0 07
Mortar Color, per 100 lb.	1 25
James' Gen. Red Lead, 100 lb	0 04⅞
Pure Indian Red, No. 45, lb.	0 08
Whiting, per 100 lb.	0 55

Paris Green.

250 lb. casks	0 13½
50 lb. drums	0 14
1 lb. packages	0 15
½ lb. "	0 16½
1-lb. tins	0 15½

Sulphate of Copper.

Casks, for spraying, per lb.	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bladders in bbls.	1 80
Bladders in 100 or 200 lb. kegs or bxs	1 95
Bulk in bbls., per 100	1 65
Bulk in less quantities	1 80
25-lb. tins, 4 in case	2 05
12½-lb. tins, 8 in case	2 30

Quotations f.o.b. Toronto—10c. per 100 lbs. extra Hamilton, London, Guelph. For quantities less than 100-lbs., 2½c. per lb.

Varnishes.

(In 5-gal. lots.).		Per gal.
Carriage, No. 1	1 30	1 40
Extra do.	1 50	1 60
Body Varnish	3 40	3 50
Furniture Varnish	0 50	0 60
Extra do.	1 00	1 10
Demar Varnish		1 50
Hard Oil Finish	1 30	1 35
Orange Shellac Varnish	2 00	2 10
White Shellac	2 20	2 25
Rubbing Varnish		2 00
Brown Japan		0 75
Elastic Oak	1 20	1 30

Linseed Oil.

Raw, per gal. net	0 57
Boiled, per gal. net	0 60

Outside points 1c. more than above figures

Turpentine.

1 to 4 barrels, net	0 64

Outside points 1c. more

Castor Oil.

In cases, per lb	0 09
Small lots	0 10

Cod Oil, Etc.

Cod Oil, per gal.	0 50 0 55
Pure Olive	1 20
" Neatsfoot	90

Glue.

(In bbls.)

Common	0 08½ 0 09
French Medal	0 12 0 12½
Cabinet, sheet	0 11 0 12
White, extra	0 16 0 18
Gelatine	0 22 0 30
Strip	0 16 0 18
Coopers	0 19 0 20
Al clear	0 09

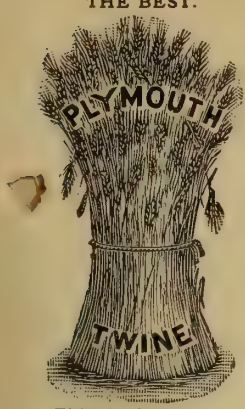
HARDWARE.

Ammunition.

Cartridges.

B. B. Caps. Dom., 50 and 5 per cent.
Rim Fire Pistol, dis. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18 p.c. Amer.

IT PAYS TO BUY THE BEST.



This Trade Mark is on every Tag.

Plymouth Twine

is in every particular the best and most satisfactory Binder Twine made.

"PLYMOUTH" is cheapest because it is best, and goes farthest.

DISTRIBUTERS, PLYMOUTH BINDER TWINE AGENCY, 54 Bay Street, TORONTO.

Central Fire Cartridges, pistol sizes, Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.
Brass Shot Shells, 55 and 10 per cent.
Primers, Dom., 80 per cent.

Wads.

	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 33⅓ per cent.

Anvils.

Per lb	0 10	0 12½
Anvil and Vice combined each	....	4 50
Wilkinson & Co.'s Anvils..lb.	0 09	0 09½
Wilkinson & Co.'s Vices..lb.	0 09¾	0 10

Augers.

Gilmour's, discount 50 and 10 p.c. off revised list.

Hollow, Stearn's, per dozen..	13 00	20 00
Adjustable, Stearn's, each..	4 50	6 50
Post-hole, Vaughan's, each..	60	90

AXES.

Splitting Axes	5 25	5 50
Chopping Axes—		
Single List, per doz	8 00	12 00
Double List, "	11 00	18 00

Bench Axes, 40 and 15 p.c.
Broad Axes, 33⅓ per cent.

Hunters' Axes	5 25	5 50
Boy's Axes	5 75	6 75

Bath Tubs.

Zinc	3 90	4 00

Copper, discount 40 and 10 p.c. off revised list
Steel clad, 20 per cent. discount off revised list. Boxing extra.

Anti-Friction Metal.

Tandem" A	per lb.	0 23
" B	"	0 19
" C	"	0 11½

Magnolia Anti-Friction Metal, per lb. 0 25
F. O. B. New York or Chicago.

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent.

Door.

Gongs, Sargant's | 5 50 | 8 00
" Peterboro', discount 50 per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Farm.

American, each | 1 25 | 3 00

House.

American, per lb | 0 35 | 0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00

Blacksmiths', discount 60 per cent.

Belting.

Extra, 50 per cent.
Standard, 50 and 10 to 50, 10 and 5 per cent.
Agricultural, 60 and 10 p.c.

Bits.

Auger.

Gilmour's, discount 50 and 10 per cent.
Rockford, Common, 70 to 70 and 10 per cent.
" Perfection, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent.

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind Rollers.

Annex, per doz	1 25	1 75
Mascott, "	1 35	1 85
Erminie, "	1 00	0 00

Blind and Bed Staples.

All sizes, per lb | 0 07¾ | 0 12

Bolts and Nuts.

	Per cent.
Norway Bolts, full square	65
Common Carriage Bolts, 5-16 & under	55
" " " ⅜ and larger	50
" " " full square	65
Machine Bolts, all sizes	55
Coach Screws	67½
Sleigh Shoe Bolts	72½
Blank Bolts	55
Bolt Ends	62½
Nuts, square	3¾c.
Nuts, hexagon	4¼c.
Tapping Nuts	60
Tire Bolts	60 and 10
Stove Bolts	60 and 10

Boot Calks.

Small and medium, per M	4 50
Small heel, per M	4 25

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent.

Henis, No. 8, "	....	6 00
Henis, No. 9, "	....	7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Plain building, per roll	0 28
Tarred lining, per roll	0 35
Tarred roofing, per 100 lb	1 40
Coal Tar, per barrel	3 75
Pitch, per 100-lb	0 60
Carpet felt, per 100 lb	2 25

Bull Rings.

Copper, $1.50 for 2½ in. and $2 for 2 in.

Butts.

Brass.

Wrought Brass, dis., 10 p.c. revised list.

Cast Iron.

Loose Pin, dis., 60 to 60 and 10 per cent.

Wrought Steel.

Fast Joint, dis. 70 and 10 per cent.
Loose Pin, dis. 70 and 10 per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Cards.

Horse, per doz	0 60	1 00

Carpet Sweepers.

Bissell, per doz	22 50
World, "	21 75
Daisy, "	24 00
Star, "	18 00
Crown Jewel, per doz	29 00
Grand Rapids, "	24 00 33 00

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	2 65	2 90
English "	....	3 00
Belgian "	....	2 70
Canadian hydraulic	1 00	1 10

Figures are for barrel lots.

Chalk.

Carpenters, Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 70 and 5 per cent.
Warnock's, dis. 40 and 10 per cent.

Churns.

Revolving Churns, metal frames—No. 0, $3—No. 1, $3.25—No. 2, $3.40—No. 3, $3.75—No. 4, $4.50—No. 5, $5.90 each. Ditto, wood frames—15c. each less than above. Terms 4 months or 3 p.c. off 30 days, f.o.b.

Clips.

Axle dis. 65 per cent.

Closets.

Washout, plain	3 75	
" embossed	4 00	
Connections	1 10	

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 20 per cent. from factory.

Dies.

Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. per cent.

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Broad's, dis 75 per cent.
Warnock's, dis. 50 and 10 per cent.

Drills.

Hand and Breast.

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.

Stovepipe.

Per doz | 0 85 | 1 70

FACTORY MILK CANS.

Discount off revised list, 45 per cent.

FILES.

Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Jowitt's, English list, 25 to 27½ per cent.
Mechanics' Star & File Mfg. Co. Discount 60 and 10 to 70 per cent.

FORKS.

Hay, manure, etc., dis., 60 and 10 to 60 and 5 p. c. revised list.

FREEZERS

Ice Cream,

White Mountain, 1 to 25 qt | 1 35 | 13 50
Arctic, dis. 50 p.c.

FRY PANS.

Acme, dis. 65 to 67½ per cent.

FRUIT PRESSES.

Henis', per doz | 3 25 | 3 50

Shepard's Queen City, dis. 15 per cent.

GAUGES.

Marking, Mortise, Etc.

Stanley's, dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each | 1 65 | 2 40

GLASS.

Window.

Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	Double Diamond Per 50 ft.	Double Diamond Per 100 ft.
Under 26	2 00	3 75	3 20	6 00
26 to 40	2 15	4 05	3 40	6 65
41 to 50	....	4 50	....	7 00
51 to 60	....	4 75	....	8 25
61 to 70	....	5 10	....	9 00
71 to 80	....	5 50	....	10 00
81 to 85	....	6 10	....	11 50
86 to 90	....	7 25	....	13 50
91 to 95	....	....	....	15 00
96 to 100	....	....	....	18 00
101 to 105	....	....	....	20 50
106 to 110	....	....	....	23 50

HALTERS.

Rope, ⅜ per gross	8 25	8 55
" ½ "	9 25	6 50
" ⅝ "	11 00	11 20
Leather, 1 in., per doz	3 57½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis 5 to 10 per cent. Can. dis. 25 to 27½ per cent.

Tack.

Magnetic, per doz | 1 10 | 1 20

Sledge.

Canadian, per lb | 0 07½ | 0 08½

Ball Pean.

English and Can., per lb | 0 22 | 0 25

HANDLES.

Axe, per doz., net	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pair	0 40	2 50

Fork

C. & B., dis. 45 per cent. rev. list.

Hoe.

C. & B., dis. 45 per cent. rev. list.

Saw.

American, per doz | 1 00 | 1 25

Plane.

American, per gross | 3 15 | 3 75

Hammer and Hatchet.

Canadian, 45 per cent.

Cross-Cut Saws.

Canadian, per pair | 0 13¾ | 0 20

HANGERS.

Door, 4 and 5 inch, per pair	0 40	0 50

Lane's, 62½ per cent.

HARVEST TOOLS.

Discount, 60, 10, and 5 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent.

HINGES.

Blind, Parker's, dis. 60 and 10 to 65 per cent
" Shepard's Noiseless, dis. 60 per cent.
" " Buffalo, dis. 60 to 70 p. c.

Heavy T and strap, 4-in., per lb		....	0 05
" " 5-in.,	"	....	0 04¾
" " 6-in.,	"	...	0 04½
" " 8-in.,	"	....	0 04¼
" " 10-in.,	"	....	0 04

Screw hook and hinge—

6 to 12 in., per 100 lbs	....	3 75
14 in. up, per 100 lbs	...	3 00
	Per gro.	pair
Spring	....	8 50

HOES.

Garden, Mortar, etc., dis 60, 10 and 5 p.c.

Planter, per doz	4 00	4 50

HOOKS.

Cast Iron.

Bird Cage, per doz	0 50	1 10
Clothes Line, per doz	0 27	0 63
Harness, per doz	0 72	0 88
Hat and Coat, per gross	1 00	3 00
Chandelier, per doz	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.

Hat and Coat, discount 60 per cent.
Belt, per 1,000 ... 0 60 0 70
Screw, bright, dis. 65 and 10 per cent.

HORSE NAILS.

"C" brand 50 p.c. dis. } Oval head.
"M" brand 50 p.c. }
Acadian, 50 and 20 p.c., countersunk head.

HORSESHOES.

Iron Shoes.	F.O.B. Toronto. No. 2 and larger.	No. 1. and smaller.
Light, medium, and heavy	3 60	3 85
Snow shoes	3 85	4 10
Steel Shoes.		
Light	4 00	4 25
Featherweight (all sizes)	5 25	5 25

JAPANNED WARE.

Discount, 50 per cent. off list, June, 1899.

ICE PICKS.

Star, per doz	3 00	3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb ... 0 30 0 35
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 50 p.c.
Cabinet, trunk, and padlock, Am. per gross ... 60

KNOBS.

Door, japanned and N.P., per doz		0 90
Bronze, Berlin, per doz	2 75	3 25
Bronze Genuine, per doz	6 00	9 00
Shutter, porcelain, F. & L. screw, per gross	1 30	4 00

KNIVES.

Clauss, bread, cake, and paring knives, $7 00 doz. sets net. to 10 per cent.
Christie, bread, cake, and paring knives, $7 00 doz. sets, with 10 p.c. off.
Hay knives, spear point, L. or T handle, 60 10 and 5 per cent.

Lightning, per doz	6 50	8 40
Health's, $7.75 net.		

LANTERNS.

Cold Blast, per doz		7 00
No. 3 "Wright's"		8 00

LEMON SQUEEZERS.

	per doz.	
Porcelain lined	2 20	5 60
Galvanized	1 87	3 85
King, wood	2 75	2 90
King, glass	4 00	4 50
All glass	1 20	1 30

LINES.

Fish, per gross	1 05	2 50
Chalk "	1 90	7 40

LOCKS

Canadian, dis. 50 p.c.
Russell & Erwin, per doz ... 2 00 2 20

Cabinet.

Eagle, dis. 30 p.c.

Padlock.

English and Am., per doz	50	6 00
Scandinavian, "	1 00	2 40

Eagle, dis. 15 to 17½ p.c.

MACHINE SCREWS.

Iron and Brass.

Flat head, discount 25 p.c.
Round Head, discount 20 p.c.

MALLETS.

Tinsmiths', per doz	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz	3 85	5 00
Caulking, each	60	2 00

MATTOCKS.

Canadian, per doz	8 50	10 00
American, 60 and 10 p.c. off list.		

MEAT CUTTERS.

American, dis. 30 to 32½ p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2d. and 3d	$3 25	$3 75
3	2 90	3 40
4 and 5	2 85	3 15
6 and 7	2 65	3 05
8 and 9	2 40	2 90
10 and 12	2 35	2 85
16 and 20	2 30	2 80
30, 40, 50 and 60. (base)	2 25	2 75

Steel Cut Nails 10c. extra.

NAIL PULLERS.

German and American	1 85	3 50

NAIL SETS.

Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.

Poultry, 40 per cent. for McMullen's.

OIL.

Canada refined (Toronto)		0 13½
Sarnia Water White		0 15
" Prime Water		0 14
American w. w.		0 16½
Pratt's Astral		0 18

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz	0 00	11 00
Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz	1 25	3 50
Brass, "	1 50	3 50

Malleable, dis. 25 per cent.

PAILS.

	per doz.
Galvanized, straight pattern No. 12	2 00
Galvanized, straight pattern No. 14	2 25
Galvanized, straight pattern No. 16	2 55
Flaring pattern, No. 11	2 25
" " No. 12	2 50
" " No. 13	2 85
" " No. 14	3 30

PIECED WARE.

Discount, 45 per cent. off list, June, 1899.

PICKS.

Per doz	6 00	9 00

PICTURE NAILS.

Porcelain head, per gross	1 40	3 00
Brass head, "	0 40	1 00

PLANES.

Wood, bench, Canadian dis. 55 per cent. American dis. 55.
Wood, fancy Canadian or American, 37½ to 40 per cent.
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.
Miscellaneous, dis. 25 to 27½ per cent.
Bailey's Victor, 25 per cent

PLANE IRONS.

English, per doz	2 00	5 00

PLIERS AND NIPPERS.

Button's Genuine, per doz pairs, dis. 37½ 40 p.c
Button's Imitation, per doz | 5 00 | 9 00
German, per doz | 0 60 | 2 60

PULLEYS.

Hothouse, per doz	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS

Canadian cistern	1 40	2 25
Canadian pitcher spout	1 15	2 00

PUNCHES.

Saddlers', per doz	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set	0 00	0 72
" hollow, per inch	0 00	1 00

RAKES.

Cast steel and malleable Canadian, list dis. 60, 10 and 5 p.c revised list.
Wood, 25 per cent.

RASPS AND HORSE RASPS.

New Nicholson horse rasp, discount 60 p.c.
Globe File Co.'s rasps, 60 and 10 to 70 p.c.
Heller's Horse rasps, 50 to 50 and 5 p.c.

RAZORS.

	per doz.
Geo. Butler & Co.'s	8 00 18 00
Boker's	7 50 11 00
Wade & Butcher's	3 60 10 00
Theile & Quack's	7 00 12 00

REAPING HOOKS.

No. 2	$2 00
No. 3	2 05
No. 4	2 15
No. 5	2 20

RIVETS AND BURRS.

Carriage, Section, Wagon Box Rivets, etc. (Steel), 60 p c.
Carriage, Section, Wagon Box Rivets, et (Norway Iron), 55 p.c.
Black M. Rivets (Steel), 45 p.c.
Black and Tinned Rivets, 60 p.c.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets & Burrs, 35 p.c. dis., and cartons, 1c. per lb. extra, net.
Extras on Tinned or Coppered Rivets in ½-lb. cartons, 1c. per lb.
Burrs, iron or steel, 40 per cent.
Terms, 4 mos. or 3 per cent. cash 30 days.

RIVET SETS.

Canadian, dis. 35 to 37½ per cent.

ROPE, ETC.

	Sisal.	Manila.
7-16 in. and larger, per lb.	10½	12
⅜ in	11	12½
¼ and 5-16 in.	11½	13
Cotton		13
Russia Deep Sea		14½
Jute	6¾	7½
Lath Yarn		8¾
New Zealand Rope		9½

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

Mrs. Potts, per set	0 67½
" N. P., per set	0 80

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 2½ per cent.
Emery, 40 per cent.

SASH CORD.

Per lb	0 20	0 50

SASH WEIGHTS.

Sectional, per 100 lbs	1 40	1 75
Solid, "		1 25

SAWS.

Hand, Disston's, dis. 12½ to 15 p.c.
S. & D., 40 per cent.
Crosscut, Disston's, per ft | 0 35 | 0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.

Hack, complete, each	0 75	2 75
" frame only		0 75

SAW SETS.

"Lincoln," per doz	5 50	6 00

SCALES

Gurney Scales, 45 p.c.
B. S. & M. Scales, 45 p.c.
Champion, 55 per cent.
Fairbanks Standard, 45 p.c.
" Dominion, 60 p.c.
" Richelieu, 60 p.c.
Chatillon Spring Balances, 25 p.c.

SCREENS.

Door, patent, per doz	6 00	12 00
Window, per doz	2 00	3 00

SCREW DRIVERS.

Sargent's, per doz	0 65	1 00

SCREWS

Wood, F. H., iron, and steel, 82½ and 5 p.c.
Wood R. H., " dis. 75 and 5 p.c.
" F. H., brass, dis. 75 and 5 p.c.
Wood, R. H., " dis. 67½ and 5 p.c.
" F.H., bronze, dis. 67½ and 5 p.c.
" R.H. " 62½ and 5 p.c.
Drive Screws, 82½ and 5 per cent.

Bench, wood, per doz	3 25	4 00
" iron, "	4 25	5 75

SCYTHES.

Discount, per doz. net	4 50	6 00

SCYTHE SNATHS.

Canadian, dis. 50 p.c.

SHEARS

Seymour's, dis. 50 and 10 p.c.
Heinisch, dis. 50 and 10 p.c.
Clauss, full nickel, 50 and 10 p.c.
" japanned handles, 67½ p.c. off.
Seymour or Heinisch tailor shears. 15 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SNAPS.

Harness, German, dis. 35 to 37½ p.c.		
Acme	3 00	5 00
Lock, Andrews'	4 50	11 50

SOLDERING IRONS.

1, 1½ lb., per lb	0 37
2 lb. or over, per lb	0 34

WROUGHT SPIKES.

Discount, 35 to 40 per cent.

SQUARES.

Iron, per doz	1 65	2 90

Steel, dis. 70 per cent., revised list.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p.c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized	3 25	
Bright	3 00	

STOCKS AND DIES.

American dis. 25 p.c.

STONE.	Per lb,	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador		0 13
" Axe		0 15
Turkey		0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, per ton	15 00	18 00

Stove Polish.



No. 4—3 dozen in case, net cash $4 50
No. 6—3 dozen in case, " 7 50

STEP LADDERS.

Best grade, from 3 to 10-ft. long, per foot, 16c.
2nd grade, 3 to 10-ft., per foot, 10c.

TACKS BRADS, ETC.

	Per cent.
Strawberry box tacks, bulk	75 and 10
Cheese-box tacks, blued	85
Trunk tacks, black and tinned	85
Carpet tacks, blued and tinned	80
" " (in kegs)	40
Cut tacks, blued, in dozens only	75 and 5
" ¼ weights	60
Swedes, cut tacks, blued and tinned—	
In bulk	80 and 12½
In dozens	75
Swedes, upholsterers', bulk	85
" brush, blued and tinned, bulk	50
" gimp, blued tinned & japanned	75
Zinc tacks	30
Leather carpet tacks	60
Copper tacks	50
Copper nails	52½
Trunk nails, black and tinned	70
Clout nails, blued and tinned	70
Chair nails	40
Cigar box nails	40
Patent brads	45
Fine finishing	45
Picture frame points	20
Lining tacks, in papers	10
" " in bulk	15
" " solid heads, in bulk, 75 and 12½	
Saddle nails in papers	10
" " in bulk	15
Tufting buttons, 22 line, in dozens only	60
Tin capped trunk nails	10
Zinc glazier's points	5
Double pointed tacks, dozens	85 and 5
" " " bulk	40

TAPE LINES.

English, ass skin, per doz	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	3 00

THERMOMETERS

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TINWARE.

Stamped, dis., Assn. list, 80 per cent.
Japanned, prices on application.
Pieced, prices on application.

TRANSOM LIFTERS.

Payson's per doz	2 60

TRAPS. (Steel.)

Game, Newhouse, dis. 40 p c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's, discount 10 per cent.

German, per doz	4 75	6 00
Brade's "	5 00	10 50

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb		0 21
Wrapping, mottled, per pack.	0 50	0 60
Wrapping, cotton, per lb	0 17	0 18
Mattress, per lb	0 33	0 45
Staging, "	0 27	0 35
Broom, "	0 30	0 55

VISES.

Hand, per doz	4 00	6 00
Bench, parallel, each	2 00	4 50
Coach, each	6 00	7 00
Peter Wright's, per lb	0 12	0 13
Pipe, each	5 50	9 00
Saw, per doz	6 50	13 00

WIRE.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Smooth Steel Wire, base, $2.85 f.o.b. factory points List of extras: Nos. 2 to 5, advance 7c. per 100 lb.—Nos. 6 to 9, base—No. 10, advance 7c.—No. 11, 14c.—No. 12, 20c—No. 13, 35c.—No. 14 47c.—No. 15, 60c.—No. 16, 75c. Extras net per 100 lb.: Coppered wire, 60c.—tinned wire, $2—oiling, 10c.—special hay-baling wire, 30c.—spring wire, $1—best steel wire, 75c.—bright soft drawn, 15c.—in 50 and 100-lb. bundles net, 10c.—in 25-lb. bundles net, 15c.—packed in casks or cases, 15c.—bagging or papering, 10c.
Fine Steel Wire, discount 25 per cent. factory. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19. $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, $7.65—No. 24, $8—No. 25, $9—No. 26, $9.50—No. 27, $10—No. 28 $11—No 29, $12—No. 30, $13—No. 31, $14—No. 32, $15 No. 33, $16—No. 34. $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31, $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles. 25c.—in 1-lb. hanks, 50c.—in ¼-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.40—No. 9, $2.90—No. 10, $3.50—No. 11, $3.55—No. 12, $3 05—No. 13, $3.15—No. 14, $3 90—No. 15, $4.50—No. 16. $4.65.

Broom Wire, per lb	0 05	0 05½
Clothes Line Wire, 19 gauge, per 1,000 feet	2 75	3 00

WIRE FENCING.

	F.O.B Toronto
Galvanized, 4 barb, 2¼ and 5 inches apart	3 25
Galvanized, 2 barb, 4 and 6 inches apart	3 25
Galvanized, plain twist	3 25

Terms, 2 per cent. in 10 days.

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net	1 75

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 70 to 70 and 10 p.c.
Standard, dis. 60, 60 and 10 per cent.
Coe's Genuine, dis. 30 to 32½ p.c.
Diamond dis. 33⅓ to 35 per cent.

Towers' Engineer, each	2 00	7 00
" S., per doz	5 80	6 00
G. & K.'s Pipe, per doz		3 40
Burrell's Pipe, each		3 00
Pocket, per doz	0 25	2 90

WRINGERS.

Leader	per doz.	$60 00
Royal Canadian	"	58 00
Royal American	"	48 00

Discount, 45 per cent.: terms 4 months, or 3 p.c. 30 days Prices are f.o.b. London, Hamilton, Toronto, Brockville or Montreal.



"Build to-day then, strong and sure.
With a firm and ample base."
—Longfellow.

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WISH THUS TO BUILD
an advertisement
in the
CONTRACT-RECORD,
TORONTO
will bring you tenders from the best contractors.

McLaskill, Dougall & Co
Fine Varnish & Japan
Manufacturers.
Montreal
Price Lists on application

"THE BEST IS CHEAPEST."

Buy McMullen's unequalled

Poultry Netting

—and—

Fencing.

Made by

The Ontario Wire Fencing Co.
Limited

PICTON, ONT.

For sale by The Canadian Hardware Jobbers; The B. Greening Wire Co., Hamilton and Montreal, General Agents, and James Cooper, Montreal, Agent for Railway Fencing. (20)

THE OAKVILLE BASKET CO.,



Manufacturers of

1, 2, 3 Bushel

Grain

AND

Root

BASKETS

THE OAKVILLE BASKET CO.

STAR

HACK SAWS
BUTCHER SAWS
BRACKET SAWS

THE STAR HACK SAW

Has a file temper, and one 5-cent blade will do more work than $1 worth of files. It will cut off an inch square bar of steel 100 times without filing.

THE STAR BUTCHER SAW

Will cut four times as long without filing as any other kind in use. It will cut off a half-inch rod of iron 30 times.

THE STAR BRACKET SAW

Is taking the place of all other kinds.

None of these Star Saws are to be filed, as the price is less than the cost of filing. They are taking the place of all other saws as fast as they become known.

For Sale by Most Hardware Dealers

We also make a Power Hack Saw which may be found in most machine shops and iron working establishments, and should be found in all.

MILLERS FALLS CO. 28 Warren Street NEW YORK

1879 ESTABLISHED 1879

ESSEX HANDLE and WOOD TURNING WORKS.

Late of Essex, now LEAMINGTON, ONT.

Makers of Axe, Fork, Rake, Hoe, Sledge, Broom, Hammer, and all kinds of Handles. Neck Yokes, Singletrees, and Doubletrees, Bench Saws, Exercise Clubs, Baseball Bats, etc., etc. Do you sell any Shaved Pattern and Octagon Axe Handles? The largest and best trade in Canada does, because they give best satisfaction. **All stock air-dried,** not kiln-dried. If you are going to be in it, place your order with

GARDNER BROS. & CO.

CHAS. F. CLARK, President. JARED CHITTENDEN, Treasurer.

ESTABLISHED 1849.

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TORONTO OFFICE: Cor. Jordan and Melinda Sts.

THOS. C. IRVING, Superintendent.

PERFECTION AUTOMATIC REVOLVER.



NEW Automatic shell extracting, double action, small frame. Weighs 12 oz. Rebounding lock. 32 caliber. 5 shot.

Made with shorter barrel for bicycle use.

The most perfect small pistol made.

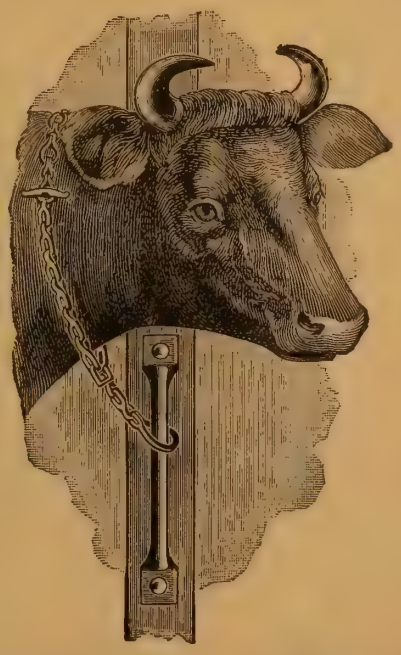
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Forehand Arms Co.

Manufacturers of the

Forehand Guns

Worcester, Mass.



Dominion Pattern

Cow Tie AND Stall Fixture

The special features of the tie and stall fixture are well shown in the illustration. As will be noticed the chain is very short which prevents all danger of entanglement with the animal's foot. At the same time the form of the fixture is such that great freedom is allowed to the head. Because of the short chain this tie is much cheaper than the ordinary patterns.

The stall fixture is made from a tough quality of steel and is very strong. Also, owing to its circular cross-section, it is exceedingly rigid. Its simplicity, convenience, cheapness, and ease of attaching make it very popular with cow tie users.

This form of tie and stall fixture are sometimes called Niagara pattern.

American or Flat Link Chain,

for years the standard cow tie chain in "the States," is now rapidly coming in favor in Canada. Its short link, handsome appearance and smooth surface—which cannot injure the animal's neck—make it superior to all other styles of chain for cow ties.

For sale by all Jobbers; manufactured by

ONEIDA COMMUNITY, Limited, NIAGARA FALLS, ONT.



Est. 1863 Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve 

Medals

Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895



TO INSURE COMFORT AND SAFETY

...USE...

"Maltese Cross" Inner Tubes

AND



The Toronto Rubber Co.

Limited

185 Yonge Street - TORONTO, CANADA

The Selling Qualities

Of our new

IMPERIAL OXFORD

Make them the most desirable stock you can handle.

THEIR DIFFUSIVE FLUE CONSTRUCTION
FRONT DRAW-OUT GRATE
OVEN THERMOMETER
DRAW-OUT OVEN RACK

and other improved features give them a quickly appreciated precedence over other ranges.

Customers can realize the superiority on sight—sales are easy.

Have you our Catalogue and Price List?



The Gurney Foundry Co., Limited, Toronto

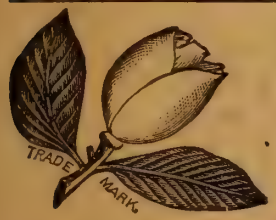
The Gurney-Massey Co., Limited, Montreal.
Winnipeg Agents: 155 and 157 Lombard St. Vancouver Agent: C. A. Godson, 151 Hastings St.

BEST QUALITY FOR PRICE MADE.
Langwell's Babbitt
--Montreal.

CANADIAN
HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XI. MONTREAL AND TORONTO, AUGUST 5, 1899. NO. 31



Magnolia Metal

Best Anti-Friction Metal for all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up in bars, of which this is a

FAC-SIMILE.

The name and trade mark appear on each box and bar, and besides this, the words "Manufactured in United States" and "Patented June 3, 1890" are stamped on the under side of each bar.



MAGNOLIA METAL COMPANY

LONDON OFFICE—49 Queen Victoria St.
CHICAGO OFFICE—Fisher Building, 281 Dearborn Street.
CANADIAN OFFICE—524 Board of Trade Building, Montreal.

Owners and Sole Manufacturers,
266 and 267 West St., New York

Black Sheets

Not the cheap trash so largely imported, but first-class Iron and Steel Sheets, dead flat or ordinary finish, and all fit for the most particular work.

Makers of "QUEEN'S HEAD" Galvanized Iron.

JOHN LYSAGHT, Limited
BRISTOL, ENG. MONTREAL.

Contractors Make Money

when they install the Safford Patent Radiators for hot water and steam heating. And they make *good* money, too. The Dollars and Cents profit is only part of it—the customer's satisfaction and good-will is the other half.

A leaky radiator will injure the business and the reputation of the best contractor in the world—the Safford Radiator is literally "always as tight as a drum." It has screwed nipple connections.

Toronto's City Hall and Court House are fitted throughout with Radiators made by the largest manufacturers of Radiators under the British Flag—

The Safford Radiators.

AGENCIES AT
Montreal, Quebec, St. John, N.B. Winnipeg, Vancouver, London, Glasgow, Edinburgh, Belfast, Antwerp, Berlin, Christiana, Auckland, N.Z., Johannesburg, S.A.R.

The Dominion Radiator Company, Limited
Toronto, Ontario.

RICE LEWIS & SON
(LIMITED)

ARTHUR B. LEE, President. *A. BURDETT LEE, V. P. and Treas.*

Importers of . . .

Bar Iron
Steel
Boiler Plate

Shelf and Heavy

Hardware



MANTELS
GRATES
TILES

Cutlery . .

FINE BUILDERS' HARDWARE.

Cor. King and Victoria Streets ...TORONTO

SAVAGE REPEATING RIFLE

.303 CAL.



Hammerless
Smokeless
Six-Shooter

New 1899 Model

AGENTS:
Winnipeg, J. H. ASHDOWN
Toronto, RICE LEWIS & SON
Quebec, CAVERHILL, LEARMONT & CO.

LATEST and FINEST Rifle manufactured.

Write for complete Catalogue W.

SAVAGE ARMS CO., Utica, N.Y., U.S.A.

Established 1825 Important Decision relating to the Established 1825

HEINISCH



TRADE-NAME ON SHEARS, TRIMMERS, Etc.

The U.S. Circuit Court, Southern District of New York, Judge Townsend, has rendered a decision in the suit of "R. Heinisch's Sons Co. vs. Hermann Boker & Co."

"The Complainant is entitled to an accounting, and to an injunction restraining them from using the names 'Heinisch' or 'H. C. Heinisch' on its Shears, Labels, etc., and otherwise, in any way which will interfere with Complainant's enjoyment of the benefits of its Trade-name."

Referring to the above decision, we would respectfully state our determination to protect our rights in the premises and warn all persons against any imitation of our Trade-name.

R. HEINISCH'S SONS CO.,

N.Y. OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

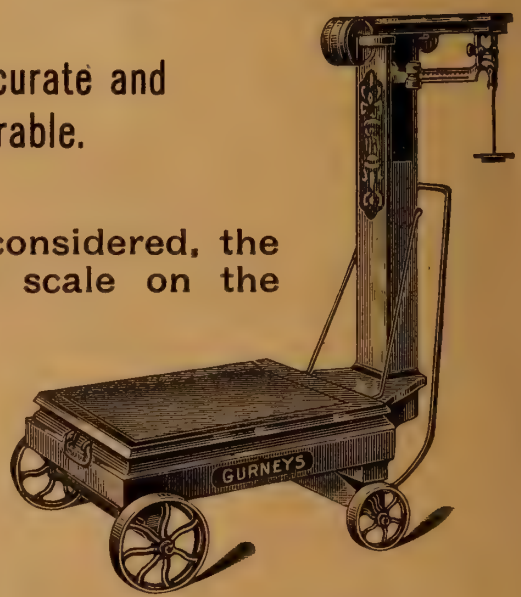
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CANADA'S BEST SCALES

GURNEY

Accurate and Durable.

Quality considered, the cheapest scale on the market.



A complete stock of Scales carried in Montreal by our Agent, WALTER GROSE.

THE GURNEY SCALE CO.

Hamilton, Ontario, Canada.



The Leader Lawn Swing

Children's Delight, Satisfying to all, Perfectly Safe, Very Strong, Most Restful and Invigorating.

ORDER NOW.

The Dowswell Manufacturing Co.

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Thresher Belts

CANADIAN RUBBER CO. EXTRA BRAND MONTREAL & TORONTO

with these brands are a guarantee in themselves of excellence . . .

Manufactured by

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Factories and Head Office,

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CANADIAN RUBBER CO. EXTRA HEAVY BRAND MONTREAL & TORONTO

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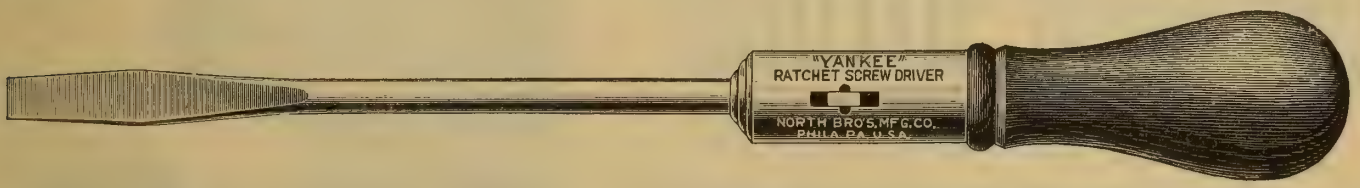
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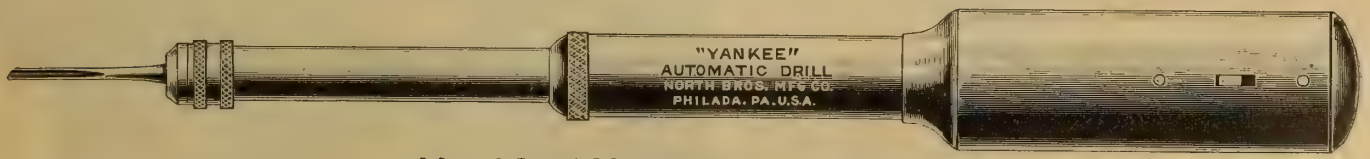
are sold by Leading Jobbers throughout the Dominion.



No. 10 RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.



No. 30 SPIRAL-RATCHET SCREW DRIVER.



No.40 AUTOMATIC DRILL.

FREE A handsome lithographed and embossed Sign in colors, on tin, to dealers handling these tools. Separate sign for each tool. Write at once which sign is wanted and it will be mailed post paid.

SEND FOR "YANKEE" TOOL BOOK.

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EDDY'S WRAPPING PAPERS

possess a peculiar toughness adapting them for the HARDWARE TRADE.

The long fibre we make them of is responsible for this.

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Our

IMPERIAL OXFORD

Represents the very highest development attained in range construction.

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ITS FRONT DRAW-OUT GRATE
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OVEN THERMOMETER
DRAW-OUT OVEN RACK

and handsome appearance are "talking points" that sell it everywhere.

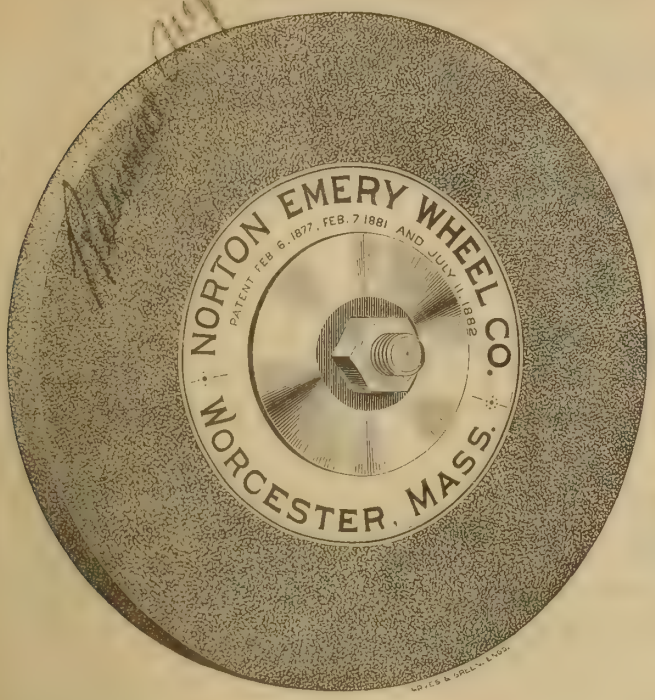
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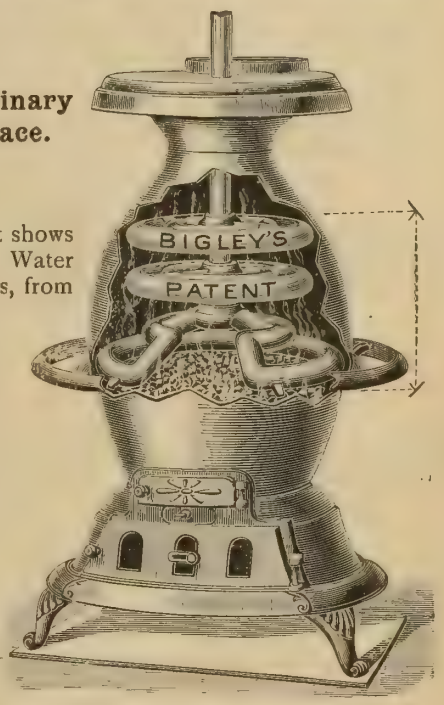
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MONTREAL.

How to Make a Hot-water Heater

out of an ordinary stove or furnace.



The accompanying cut shows the Patent Bigley Water Heater, made in 7 sizes, from 12 to 28 inches in diameter. Manufactured from cast iron, and put together with wrought iron nipples. Tested to 150 lbs. pressure. It does not interfere with the heating capacity of a stove or furnace, but adds 50 per cent. to it. Saves one-third in fuel.

Capacities Guaranteed.

Send for Catalogue.

R. BIGLEY

96 and 98 Queen St. East **TORONTO.**

FOR SALE.

A NEW MARLIN RIFLE

Never been used. Just the Rifle for practice. Price $30. Will take $20.

19 Board of Trade, Montreal



STEEL LETTERS and FIGURES.

If your Jobber does not keep our steel letters and figures send to us direct, we make everything in steel stamps.

HAMILTON STAMP & STENCIL WORKS

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D. F. Jones Manufacturing Co. Limited, of Gananoque, Ont.

Established 1852.

Shovels Spades Draining Tools



Grain and Coal Scoops and Miners' Shovels

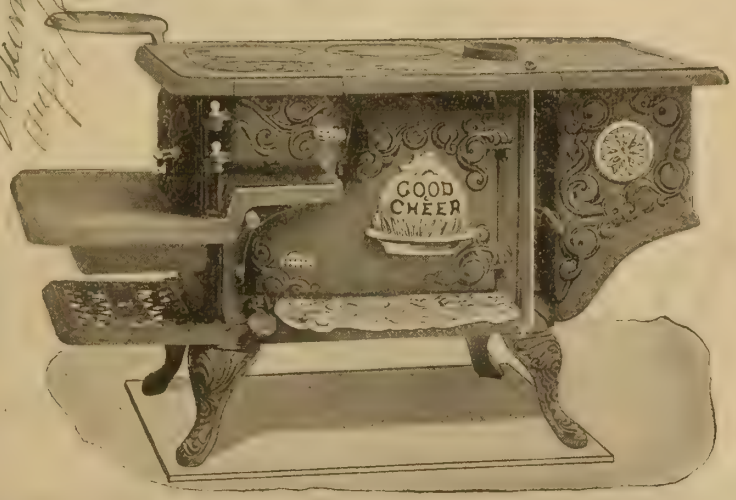
The only Canadian manufacturers of Plain Back Shovels and Spades **THAT ARE SOLID,** without weld, and graduated from socket to point, and from centre to sides, of blades.

All our goods have trade mark on the handle.

The "GOOD CHEER"

STEEL PLATE OVEN COOK.

For Wood and Coal.



Made in 3 sizes :

9-25
9-27
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Square and Reservoir.

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LIMITED

WOODSTOCK, ONT.

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Heavy Hardware and Metal Broker

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Hardwood CHARCOAL in Bulk or Sacks.

WOOD ALCOHOL equalling Methylated Spirits as a solvent.

Manufactured only by...

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THE FAVORITE

is made in three calibres

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and is the best low-priced rifle made Highest quality of work. Accuracy guaranteed. Weight, 4½ lbs.

No. 17, Plain Sights— List $ 8.00
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Send for our complete catalogue.

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For Sale by All Leading Canadian Jobbers At Trade Discounts.

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Binder Twine

We are offering special inducements in Binder Twine. If you want any it will pay you to write us for prices.

LEWIS BROS. & CO.

30 St. Sulpice St., MONTREAL.

See Fairbanks Advt. on Page 17.

HARDWARE AND METAL

is the only paper in Canada circulating among hardware, paint and oil dealers, plumbers and steam-fitters, millmen, machinists, foundrymen, and other manufacturers.

Seaforth, Ont., July 14th, 1899.

The MacLean Publishing Co.
Toronto, Ont.

Dear Sirs,—Enclosed we beg to hand you an express money order for $2.00 and would ask you to kindly send your paper called HARDWARE AND METAL *to our address for one year, beginning with the first number you send. We had the pleasure of examining a copy of same and think it a first-class paper, and we also think it should be in the office of all firms who handle hardware. Trusting to have an early copy of same,*

We remain,

Yours truly,

The Broadfoot & Box Furniture Co.

95%

of all the Hardware dealers and manufacturers in the Dominion are now subscribers to HARDWARE AND METAL; strong evidence of its interest and value to the trade surely.

We want the other 5%.

A card enclosed in this issue offers **you** an opportunity on very reasonable terms to still further reduce this very small minority.

Enameline

The Modern STOVE POLISH



PASTE.



LIQUID.



CAKE.

We present herewith cuts showing the three different forms of package in which Enameline is put on the market. The enormous amount of advertising being done to familiarize housekeepers with the name enables merchants to make quick sales. Don't load up with unknown brands—that's dead stock.

J. L. PRESCOTT & CO., New York.



FIVE FEATURES IN FAVOR OF YOUR BUYING

Crescent Steel Agateware:

Its quality is unquestioned.
The large variety of its lines is unequalled.
The unique way it is packed is unexcelled.
Its extremely low price makes it a winner.
Being extensively advertised it is constantly kept before the consumer.

Once purchased, always handled. Write us for prices.

THE THOS. DAVIDSON MFG. CO., Limited
MONTREAL, P.Q.

BINDER TWINE.

There is none "just as good."

Pure Manila 650-ft. to the lb.

Blue Ribbon

Special Manila

Tiger

Standard

These Twines will not bunch at the knotter, and a Binder will run all day with them without stoppage, thus saving time, annoyance and an endless lot of trouble.

We pack our twine in bags of the size of ordinary grain bags and are not ashamed to put our name upon them. Don't take any other.

Consumers Cordage Company, LIMITED, Montreal.

For "RUSH ORDERS" and the accommodation of our customers we carry a stock at our Toronto Branch: WM. B. STEWART, Agent, 27 Front St. West.

HARDWARE AND METAL

Vol. XI. MONTREAL AND TORONTO, AUGUST 5, 1899. No. 31

President, JOHN BAYNE MacLEAN, Montreal.
Treasurer, HUGH C. MacLEAN, Toronto.

THE MacLEAN PUBLISHING CO.
Limited.

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

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WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

ENORMOUS ACTIVITY IN IRON AND STEEL.

SOME recent statistics collected by the United States Iron and Steel Association, emphasize what has been pointed out repeatedly in these columns regarding the tremendous activity in the iron and steel trade.

On June 30, a year ago, the unsold stock in the hands of manufacturers or their agents was 571,577 tons, whereas this year, on June 30, there were only 81,220 tons, a decrease of 490,357 tons.

With the quantity in warrant yards added o the above, there is a total of 127,193 tons, against 415,333 tons for the same period in 1898.

Not only has the enormous production of 1899, 6,289,000 tons, gone into consumption, but manufacturers' stocks are 210,000 tons less than they were at the opening of the present year, when the stock was 219,333 tons. The inference, therefore, is that the consumption during the first-half of 1899 has reached the enormous total of 6,577,000 tons, a figure that has never been equalled.

General Manager James M. Swank is not at all alarmed that this enormous movement will bring about the iron famine that some are predicting. He contends that the capacity of the United States for the production of pig iron is equal to any call that may be made upon it this year. He points out that the reserve capacity is being steadily drawn upon as demand increases, and he has no doubt that the supply of iron ore and fuel will also be equal to the demand.

Mr. Swank's conclusion that no famine is likely will be interesting to the trade, the majority of whom differ with him, because the doubling in price has led to a comparatively small quantity of reserve production.

Another influence has, however, to be considered in addition to those above mentioned, and that is that the vastly increased cost of iron and steel must have a marked effect upon current consumption, though just what it will be can only appear later.

Time spent in taking a holiday is well invested provided the holiday is wisely spent. There is nothing that is surer in the long run to give better results. Mind and body are invigorated and the days lengthened for earning more dollars. What more could be asked for?

TIN STILL BOOMING.

There appears to be no top to the market for ingot tin. Last week sensational advances were recorded, and they have again been duplicated this week.

On Tuesday, spot Straits in London was £2 15s. higher than it was the same day last week, while in Singapore it had advanced £7 5s, the quotations being £144 17s. 6d. at London, and £145 15s. c.i.f. at Singapore.

The position of the two markets has changed. Last week, London led the primary centre, but this week the latter is almost £3 above the London market.

This affords a pretty good idea of the excited position of the metal. In New York, the price has followed suit, and the spot quotation there is $1.40 higher than it was last week, at $32.90.

The condition of this metal is undoubtedly remarkable, and observers of its course are beginning to speculate as to when the tumble is due, for they feel that the steam cannot be kept up at its present pressure.

SHOT AT OPEN PRICES.

For some time past, the agreement in regard to the sale of shot has been a practical dead letter, and this week it is learned from jobbers, both in Toronto and Hamilton, that the article is now sold at an open price.

That is to say, any jobber is at liberty to sell at his own figure if he cares to do so, as the makers are not bound to anything.

At present, ordinary is nominally quoted at 6c. and chilled 6½c., less 7½ per cent. discount.

THE PRICE OF CANADIAN AND UNITED STATES WOOD SCREWS.

THERE is a general opinion that all lines of hardware are dearer in Canada than in the United States. It is undoubtedly true in a great many instances, but it is not true in all. It does not apply, for instance, to wood screws.

Wood screws are to-day lower in Canada than they are in the United States. For instance, on an average specification the list issued by the screw manufacturers in the United States to the home trade is about 17 per cent. above that issued by the Canadian manufacturers. Then, the discount to the retail trade is 82½ per cent., while that to the retail trade in Canada is 80 and 5 per cent., making the price of wood screws in Canada about 8 per cent. below that ruling in the United States.

The following table gives the Canadian and United States lists in comparison :

¼ inch.

No.	Canada.	U.S.
0	$0 40	$0 60
1	40	60
2	40	60
3	40	60
4	40	60

⅜ inch.

No.	Canada.	U.S.
0	$0 40	$0 60
1	40	60
2	40	60
3	40	60
4	40	60
5	40	60
6	41	61
7	48	68
8	55	77
9	62	80

½ inch.

No.	Canada.	U.S.
1	$0 40	$0 60
2	40	60
3	40	60
4	40	60
5	41	61
6	45	63
7	52	73
8	59	77
9	66	80
10	73	84
11	80	88
12	87	95

⅝ inch.

No.	Canada.	U.S.
1	$0 40	$0 60
2	40	60
3	40	60
4	40	60
5	43	64
6	49	69
7	56	75
8	63	81
9	70	84
10	77	87
11	84	90
12	91	95
13	93	98
14	1 10	1 10

¾ inch.

No.	Canada.	U.S.
2	$0 40	$0 60
3	41	61
4	41	61
5	46	67
6	53	74
7	60	78
8	67	84
9	74	88
10	81	93
11	88	98
12	95	1 05
13	1 05	1 10
14	1 20	1 20
15	1 35	1 35
16	1 55	1 55

⅞ inch.

No.	Canada.	U.S.
2	$0 41	$0 61
3	44	65
4	48	67
5	52	70
6	59	76
7	66	82
8	73	87
9	80	90
10	87	1 00
11	94	1 05
12	1 00	1 10
13	1 15	1 20
14	1 30	1 30
15	1 50	1 50
16	1 70	1 70

1 inch.

No.	Canada.	U.S.
3	$0 51	$0 70
4	55	74
5	59	78
6	66	83
7	73	88
8	80	95
9	87	1 00
10	94	1 10
11	1 00	1 15
12	1 10	1 20
13	1 25	1 35
14	1 40	1 55
15	1 60	1 75
16	1 80	1 95
17	2 00	2 10
18	2 20	2 30
20	2 70	2 70

1¼ inch.

No.	Canada.	U.S.
3	$0 00	$0 78
4	62	80
5	68	88
6	74	93
7	80	1 00
8	87	1 05
9	94	1 10
10	1 00	1 15
11	1 10	1 25
12	1 20	1 35
13	1 35	1 50
14	1 55	1 70
15	1 75	1 90
16	1 95	2 15
17	2 15	2 25
18	2 35	2 45
20	2 85	2 85
22	3 35	3 35
24	3 95	3 95

1½ inch.

No.	Canada.	U.S.
3	$0 00	$0 85
4	70	90
5	76	95
6	82	1 00
7	88	1 05
8	94	1 15
9	1 00	1 20
10	1 10	1 25
11	1 20	1 40
12	1 30	1 50
13	1 40	1 65
14	1 70	1 85
15	1 90	2 10
16	2 10	2 30
17	2 30	2 50
18	2 50	2 75
20	3 00	3 00
22	3 50	3 50
24	4 15	4 15

1¾ inch.

No.	Canada.	U.S.
5	$0 00	$1 15
6	92	1 20
7	98	1 28
8	1 05	1 35
9	1 10	1 40
10	1 20	1 45
11	1 30	1 55
12	1 45	1 65
13	1 65	1 80
14	1 85	2 00
15	2 05	2 25
16	2 25	2 50
17	2 45	2 70
18	2 70	2 95
20	3 20	3 50
22	3 75	3 95
24	4 35	4 35

2 inch.

No.	Canada.	U.S.
5	$0 00	$1 25
6	1 05	1 30
7	1 10	1 35
8	1 20	1 45
9	1 25	1 50
10	1 30	1 55
11	1 40	1 65
12	1 55	1 75
13	1 80	2 05
14	2 00	2 30
15	2 20	2 50
16	2 40	2 75
17	2 60	3 00
18	2 90	3 35
20	3 40	3 75
22	4 00	4 00
24	4 55	4 55

2¼ inch.

No.	Canada.	U.S.
5	$0 00	$1 40
6	.....	1 45
7	.....	1 50
8	1 30	1 55
9	1 35	1 60
10	1 45	1 70
11	1 50	1 80
12	1 70	1 95
13	1 90	2 20
14	2 10	2 40
15	2 30	2 70
16	2 60	3 00
17	2 80	3 20
18	3 05	3 55
20	3 60	3 95
22	4 20	4 25
24	4 80	4 80

2½ inch.

No.	Canada.	U.S.
5	$0 00	$1 70
6	.....	1 75
7	.....	1 80
8	1 55	1 85
9	1 60	1 95
10	1 70	2 05
11	1 75	2 10
12	1 85	2 20
13	2 05	2 35
14	2 25	2 55
15	2 55	2 90
16	2 75	3 15
17	3 00	3 40
18	3 30	3 80
20	3 85	4 40
22	4 50	4 70
24	5 10	5 35

2¾ inch.

No.	Canada.	U.S.
6	$0 00	$2 15
7	.....	2 20
8	.....	2 25
9	.....	2 30
10	2 05	2 35
11	2 10	2 40
12	2 15	2 50
13	2 24	2 60
14	2 45	2 80
15	2 70	3 10
16	2 95	3 40
17	3 25	3 75
18	3 60	4 15
20	4 25	4 85
22	5 00	5 50
24	5 60	6 15

3 inch.

No.	Canada.	U.S.
6	$0 00	$2 50
7	.....	2 55
8	.....	2 60
9	.....	2 65
10	2 35	2 70
11	2 40	2 75
12	2 45	2 80
13	2 55	2 90
14	2 65	3 05
15	2 95	3 25
16	3 30	3 60
17	3 65	4 00
18	4 05	4 45
20	4 80	5 25
22	5 55	5 70
24	6 40	6 40
26	7 50	7 50

3½ inch.

No.	Canada	U.S.
8	$0 00	$3 40
9	.....	3 50
10	3 30	3 60
11	3 40	3 70
12	3 50	3 85
13	3 60	3 95
14	3 70	4 05
15	3 80	4 15
16	3 90	4 30
17	4 30	4 50
18	4 75	5 00
20	5 55	5 80
22	6 35	6 35
24	7 30	7 30
26	8 50	8 50

4 inch.

No.	Canada.	U.S.
8	$0 00	$4 30
9	.....	4 40
10	.....	4 50
11	.....	4 60
12	4 50	4 70
13	.....	4 80
14	4 60	4 90
15	...	4 95
16	4 75	5 00
17	.....	5 60
18	5 60	5 85
20	6 40	6 70
22	7 30	7 30
24	8 40	8 40
26	9 70	9 70
28	.....	11 30
30	.....	13 00

4½ inch.

No.	Canada.	U.S.
12	$0 00	$6 00
13	.....	6 10
14	.....	6 20
15	.....	6 30
16	6 40	6 40
17	.....	6 50
18	6 60	6 50
20	7 40	7 40
22	8 45	8 45
24	9 70	9 70
26	11 05	11 05
28	.....	12 75
30	.....	14 50

5 inch.

No.	Canada.	U.S.
12	$0 00	$7 00
13	.....	7 20
14	.....	7 40
15	.....	7 60
16	.....	7 80
17	.....	8 00
18	8 20	8 20
20	8 60	8 60
22	9 75	9 75
24	11 05	11 05
26	12 60	12 60
28	14 25	14 25
30	.....	16 00

6 inch.

No.	Canada.	U.S.
12	$0 00	$8 45
13	.....	8 85
14	.....	9 05
15	.....	9 45
16	.....	9 85
17	.....	10 25
18	.....	11 00
20	11 75	11 75
22	12 50	12 50
24	13 50	13 50
26	16 00	16 00
28	18 05	18 05
30	20 10	20 10

THEY BELIEVE IN THEIR TOWN.

The business people of Elkhorn, Man., believe in advertising their town. They have had a photograph of the place taken, and a cut made from the same. This has been printed on envelopes, so that any person to whom they are sent will be able to see what kind of a town Elkhorn is.

THE OUTLOOK FOR PRICES.

IN view of the extraordinary strength of the metal markets of the world, a good many people are asking whether it is likely to be maintained. The Kemp Manufacturing Co., of Toronto, recently submitted a similar question to A. G. Kidston & Co., Glasgow, Scotland, the well-known authorities appertaining to the metal trade. The following is the reply which the Messrs. Kemp received :

You ask us what our opinion is about these high prices being maintained. It is difficult to say. We must not forget that we had six or seven years of depression, and prices were forced down to figures that almost compelled working at a loss. The enormous demand for steel and iron of all kinds has made prices ever so much firmer, and tin has been roaring lately. It is now over £130 for Straits, and there are prophets who say that £150 will be touched before long. We do not say that this is not likely, because we understand the statistical position is good, and that supply is not likely to be increased to any extent for some time to come.

As to prices generally, we think, so far as we can judge at the present time, that these will be at least maintained, and quite possibly increased. Inquiries seem to flow in from all quarters. The world is expanding, and it is only right to look for two or three years of brisk trade after these years of depression of which we have spoken. A good deal depends upon the position of affairs in the United States. They are our great competitors. At the present time, they seem to have enough to do to supply their own requirements. Their new colonies, too, will be engaging their attention, and then such huge continents as Africa and Asia are consuming, and will consume, very large quantities of material in the years to come. Our colonies, and also other parts of the globe, are brightening up. We cannot help thinking that the enormously increased production of gold that has taken place within the last few years must be telling to the advantage of general trade.

It might be noted that since the Messrs. Kidston wrote the above letter, there has been a marked advance in tin on the London market. On Monday last, for instance, it touched £146 15s. Since then, however, there has been a decline, it having closed on August 2 at £144 5s.

INQUIRIES AND ANSWERS.

BAMBOO FURNITURE MAKERS.

A subscriber in last week's issue asked for the names of bamboo furniture makers in Canada. We are informed that Alex. Thompson, York street, Hamilton. The American Rattan Co., Walkerville, The Gendron Co., Toronto, and the Cobban Manufacturing Co., Toronto, are manufacturers of that kind of furniture.

THE NEED OF CAPABLE MEN.

EVERYBODY should read "A Message to Garcia," printed in another column. The article should be an inspiration, particularly to young men. Those who it will not inspire are to be pitied, for they must be dead to all stimulating influences.

The trouble to-day is not that there are too many seeking a livelihood, but that there are not enough ready to pick up at once the thread of duty and follow it intelligently and expeditiously.

Success in life is not a lottery. It is an assured fact as long as certain laws are obeyed.

If a young man only does his best when the eyes of his employer are upon him; if when he has opportunity to improve his mind and his knowledge of his vocation he wastes it; if when he has a duty to perform he procrastinates; if the time he owes to his employer is of more importance to him than the proper performance of his duty, how in the world can he be successful?

There never was a time in the history of the world when there were so many people for which employment had to be found; and there never was a time when there was more need of really first-class men in business, in the professions and in the various other vocations than now.

He who is ready to carry a message to Garcia is ready to pilot himself to success.

JOHN McKEOUGH, CHATHAM, DEAD.

John McKeough, a pioneer hardware merchant of Chatham, Ont., died suddenly at his residence in that place on Wednesday last week. Mr. McKeough started a hardware store in Chatham about 50 years ago, and, when he retired 10 years ago, was proprietor of a large business. Mr. McKeough leaves a widow, but no children.

CANADA AS AN IRON PRODUCER.

Frank B. Baird, who is extensively engaged in the manufacture of iron and steel in Buffalo, gave evidence before a New York State Commerce Commission the other day.

He has been studying the iron industry in Canada, and believes this country is destined to become one of the great iron producing countries of the world, and that a great amount of capital will be put into this industry in the next few years.

He had examined within a week four different sets of plans for furnaces in Nova Scotia.

The Welland canal is, in Mr. Baird's opinion, the best spot in North America for a blast furnace, because of the bounty offered by the Canadian Government and the excellent shipping facilities afforded by a site on this canal.

He expects to begin the erection of a furnace on the Welland next spring.

MIDSUMMER STORE WINDOWS.

Because it is more difficult during midsummer, owing to the aggressiveness of the common house fly and the prevalence of street dust, to keep the store window clean and attractive, is no reason why laxness should be allowed to develop. On the contrary, it is all the more reason why double vigilance should be exercised in the care of the window.

FLAT HEAD BRIGHT SCREWS ARE DEARER.

An advance of about 14 per cent. is announced this week in the price of flat head (bright) screws, the discount having been reduced to 80 and 5 per cent. It was on April 1 that the last change was made, when the discount was fixed at 82½ and 5 per cent.

There is no change in other descriptions of wood screws.

ANOTHER ADVANCE IN CAST HARDWARE.

It was announced in last week's issue that the manufacturers of cast iron in the United States had advanced their prices about 10 per cent.

Another circular bearing date of July 28 has now been received by the importing trade in Canada announcing a further advance of 20 per cent.

The advance in labor, the further increase in the cost of metals and other raw materials used in the manufacture of cast hardware are the causes to which this last appreciation in prices are ascribed.

The manufacturers of shelf hardware in the United States have been rather conservative in raising their prices, having only done so when the high cost of raw material necessitated their doing so.

THE COPPER SUPPLY.

IN view of the unusual activity in opening up new copper mines in the United States, and the consequent impression that the present year would witness an enormous production of copper, the report of the American Copper Producers' Association is timely and valuable.

It shows that the production for the first half of the present year was 248,974,000 lb., as compared with 240,974,000 lb. in the first half of last year, an increase of 8,000,000 lb., or 3⅓ per cent.

In the Lake Superior region, where over 20 new mines have been opened, only one is likely to add anything material to the output this year, and few of them would produce considerable quantities in 1900. Some of the old mines in this region, however, are largely increasing their facilities for production. Two of them, the Franklin and the Osceola, have built new stamp mills which will enable them to increase their annual production by nearly 20,000,000 lb., though this will not all be attained before 1900. It is estimated that the total production of this region will be increased from 158,000,000 lb. in 1898 to 165,000,000 lb. in 1899, and 185,000,000 lb. in 1900.

The production in Montana dropped from 230,000,000 lb. in 1897 to 206,000,000 lb. in 1898, but may reach the production of 1897 this year.

In Arizona, the greatest development has been shown recently. In 1897 the production was 81,500,000 lb., in 1898 it was 111,000,000 lbs. Further increase is looked for this year, though many new properties will not begin to materially add to the output before next year.

The only properties in the Southern States that are expected to considerably increase their output are under the control of The Tennessee Copper Co. This company is constructing a large plant, but the product from it will not be ready before late next year.

The deduction from this fact is, that though the output this year will not be increased in an unusual way, next year the production is likely to assume unprecedented proportions.

A MESSAGE TO GARCIA.

HARDWARE AND METAL has time and again pointed out that, notwithstanding the alleged overcrowding of the various vocations in life, there was still room at the top ; room for those with ability, industry, independence and sobriety. It is, therefore, with more than usual pleasure that the following is printed :

In all this Cuban business there is one man stands out on the horizon of my memory like Mars at perihelion. When war broke out between Spain and the United States, it was very necessary to communicate quickly with the leader of the insurgents. Garcia was somewhere in the mountain fastnesses of Cuba—no one knew where. No mail nor telegraph message could reach him. The President must secure his co-operation, and quickly.

What to do !

Someone said to the President: "There's a fellow by the name of Rowan will find Garcia for you, if anybody can."

Rowan was sent for and given a letter to be delivered to Garcia. How "the fellow by the name of Rowan" took the letter, sealed it up in an oil-skin pouch, strapped it over his heart, in four days landed by night off he coast of Cuba from an open boat, disappeared into the jungle, and in three weeks came out on the other side of the Island, having traversed a hostile country on foot, and delivered his letter to Garcia, are things I have no special desire now to tell in detail.

The point I wish to make is this : McKinley gave Rowan a letter to be delivered to Garcia ; Rowan took the letter and did not ask, "Where is he at?" By the Eternal ! there is a man whose form should be cast in deathless bronze and the statue placed in every college of the land. It is not book learning young men need, nor instruction about this and that, but a stiffening of the vertebræ which will cause them to be loyal to a trust, to act promptly, concentrate their energies ; do the thing—"Carry a message to Garcia !"

General Garcia is dead now, but there are other Garcias.

No man has endeavored to carry out an enterprise where many hands were needed but has been well-nigh appalled at times by the imbecility of the average man—the inability or unwillingness to concentrate on a thing and do it. Slipshod assistance, foolish inattention, dowdy indifference, and half-hearted work seem the rule ; and no man succeeds, unless, by hook or crook, or threats, he forces or bribes other men to assist him ; or, mayhap, God in His goodness performs a miracle, and sends him an angel of light for an assistant. You, reader, put this matter to a test : You are sitting now in your office—six clerks are within call. Summon any one and make this request, "Please look in the encyclopædia and make a brief memorandum for me concerning the life of Correggio."

Will the clerk quietly say "Yes, sir" and go and do the task ?

On your life he will not. He will look at you out of a fishy eye and ask one or more of the following questions :

"Who was he ?"

"Which encyclopædia ?"

"Where is the encyclopædia ?"

"Was I hired for that ?"

"Don't you mean Bismarck ?"

"What's the matter with Charlie doing it ?"

"Is he dead ?"

"Is there any hurry ?"

"Shan't I bring you the book and let you look it up for yourself ?"

"What do you want to know for ?"

And I will lay you 10 to one that, after you have answered the questions and explained how to find the information and why you want it, the clerk will go off and get one of the other clerks to help him try and find Garcia, and then come back and tell you there is no such man. Of course, I may lose my bet, but, according to the law of the average, I will not.

Now, If you are wise, you will not bother to explain to your "assistant" that Correggio is indexed under the C's, and not in the K's, but you will smile sweetly and say "Never mind," and go and look it up yourself.

And the incapacity for independent action, this moral stupidity, this infirmity of the will, this unwillingness to cheerfully catch hold and lift, are the things that put pure socialism far into the future. If men will not act for themselves, what will they do when the benefit of their effort is for all ? A first mate with knotted club seems necessary ; and the dread of getting "the bounce" Saturday night holds many a worker to his place.

Advertise for a stenographer, and 9 out of 10 who apply can neither spell nor punctuate—and do not think it necessary to.

Can such a one write a letter to Garcia ?

"You see that bookkeeper ?" said the foreman to me in a large factory.

"Yes, what about him ?"

"Well, he's a fine accountant, but if I'd send him up town on an errand, he might accomplish the errand all right, and, on the other hand, might stop at four saloons on the way, and when he got to Main street would forget what he had been sent for."

Can such a man be entrusted to carry a message to Garcia ?

We have recently been hearing much maudlin sympathy expressed for the "down-trodden denizen of the sweat-shop" and the "homeless wanderer searching for honest employment," and with it all often goes many hard words for the men in power.

Nothing is said of the employer who grows old before his time in a vain attempt to get frowzy-ne'er-do-wells to do intelligent work, and his long, patient striving with "help" that does nothing but loaf when his back is turned. In every store and factory there is a constant weeding-out process going on. The employer is constantly sending away "help" that have shown their incapacity to further the interests of the business, and others are being taken on. No matter how good times are this sorting continues, only if times are hard and work is scarce, the sorting is done finer — but out and forever out the incompetent and unworthy go. It is the survival of the fittest. Self-interest prompts every employer to keep the best—those who can carry a message to Garcia.

I know one man of really brilliant parts who has not the ability to manage a business of his own, and yet who is absolutely worthless to anyone else, because he carries with him constantly the insane suspicion that his employer is oppressing or intending to oppress him. He cannot give orders, and he will not receive them. Should a message be given him to take to Garcia, his answer would probably be, "Take it yourself."

To-night, this man walks the streets looking for work, the wind whistling through his threadbare coat. No one who knows him dare employ him, for he is a regular firebrand of discontent. He is impervious to reason, and the only thing that can impress him is the toe of a thick-soled No. 9 boot.

Of course, I know that one so morally deformed is no less to be pitied than a physical cripple ; but, in our pitying, let us drop a tear, too, for the men who are striving to carry on a great enterprise, whose working hours are not limited by the whistle, and whose hair is fast turning white through the struggle to hold in line dowdy indifference, slipshod imbecility and heartless ingratitude,

WIRE NAILS
TACKS
WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

which, but for their enterprise, would be both hungry and homeless.

Have I put the matter too strongly? Possibly I have; but when all the world has gone a slumming I wish to speak a word of sympathy for the man who succeeds—the man who, against great odds, has directed the efforts of others, and, having succeeded, finds there's nothing in it; nothing but bare board and clothes.

I have carried a dinner pail and worked for day's wages, and I have also been an employer of labor, and I know there is something to be said on both sides. There is no excellence, per se in poverty; rags are no recommendation; and all employers are not rapacious and high-handed, any more than all poor men are virtuous.

My heart goes out to the man who does his work when the "boss" is away as well as when he is at home. And the man who, when given a letter for Garcia, quietly takes the missive without asking any idiotic questions, and with no lurking intention of chucking it into the nearest sewer, or of doing aught else but deliver it, never gets "laid off," nor has to go on a strike for higher wages. Civilization is one long anxious search for just such individuals. Anything such a man asks shall be granted; his kind is so rare that no employer can afford to let him go. He is wanted in every city, town and village—in every office, shop, store and factory. The world cries out for such; he is needed, and needed badly—the man who can carry a message to Garcia.

Ed. Note.—The above very interesting article has a history of its own. It was originally written by Elbert Hubbard, editor of The Philistine, appearing in March, 1899. Mr. George H. Daniels, general passenger agent of the New York Central railroad, pronounced it one of the best things he had ever read, and backed up his opinion by at once ordering a large edition, which order he repeated, until to-day the printers are at work upon the fifth hundred thousand in booklet form for distribution.

Mr. Daniels explains the matter thus:

Having received so many requests from clergymen, teachers, and others interested in the education of the young for copies of "A Message to Garcia," we decided, after securing the kind permission of the author, to make it one of our "Four-Track Series," which is an educational as well as a travel series, and to print it in editions of one hundred thousand until the demand is supplied, if it akes the entire 20th century to accomplish it.

SELF-ADVERTISING PAINT . . .

is what one of our agents calls S.W.P. It is advertised by its own good qualities. One sale makes many other sales. It gives such splendid satisfaction that the man who once uses it always uses it, and always recommends it.

It is no uncommon occurrence to have one house painted with S W.P. and to find the whole neighborhood soon "following suit."

THE SHERWIN-WILLIAMS PAINT

breeds enthusiasm. Every customer becomes a warm advocate of the Paint. He tells his friends about it. His house tells them about it, too.

Trade is bound to grow under such circumstances. Nothing but the size of the town can limit it, and it will be YOUR trade that grows, if you get the agency. Some towns are still open.

THE SHERWIN-WILLIAMS CO.

PAINT AND VARNISH MAKERS.

Canadian Division:
21 St. Antoine St.,
Montreal.

CLEVELAND.
CHICAGO.
NEW YORK.
MONTREAL.
BOSTON.
TORONTO.

A RARE OCCURRENCE.

The departure of a steamboat from Winnipeg is of such rare occurrence in these days that the sailing of the Viking one afternoon recently for Selkirk should not be allowed to pass without notice. The Viking was launched on Dominion Day in the vicinity of Brown & Ruthersord's mill, Point Douglas, where it was built on the bank of the Red river, by Mr. Anderson, for Mr. Burns. It has since been running on the river and Lake Winnipeg, its machinery being driven by a gasoline engine. Pretty severe weather was encountered on the lake, and some of the passengers tell quite a sensational story about the loss of the anchor, and the opportune coming of a wave which carried the boat upon a sand bank, at a moment when destruction upon the rocks was threatened. When the storm subsided the water rose, and the Viking floated off uninjured.—Free Press.

THE MAN WHO SUCCEEDS.

Success in business is not to be reached nowadays in the easy-going methods that obtained a generation or two ago, says Geyer's stationer. Times have changed, and the people have changed with them. Push is the only thing that will carry a man ahead, and it is the liveliest pusher that gets there first. He mustn't sit down and wait for business to come to him, or he may sit until the seat of his pants wears out, and be that much the poorer. The chronic pusher, the dyed-in-the-wool hustler, he is the man that lets other fellows wait while he rushes ahead and pockets what they are after. What is the manner of his pushing? How does he do it? Well, in two or three ways, but here is one in which he puts implicit faith. As a general rule, the chronic pusher is a chronic advertiser. Printers' ink is the lubricating oil of his business wheels, and he never allows them to lag or creak for the want of it. He may pinch and economize in other directions, but he would look upon "cutting his ad." as only another phase for cutting his throat. Hard times and poor business are incentives to increase his advertising, rather than any argument to him for cutting it down—upon the principle that it needs more power to drag a cart up than down hill. It will pay the semi-occasional advertiser to ponder over the pusher's success, and he may possibly find in the cause of it some cause for the lack of his own.

WILL CHARGE CARTAGE.

The wholesale produce dealers of Vancouver have united in issuing the following circular to the trade: "Owing to the slender margin of profit upon which the wholesale produce and provision trade is conducted, it becomes necessary for those engaged in the trade to make a charge for the items of cartage and wharfage necessary to place the goods on cars and various steamers. At all other points these charges are included in the rates of freight. This charge will amount for wharfage, 50c. per ton, with a minimum of 15c., and cartage 50c. per ton, with a minimum of 15c. Where both services are performed, the charge will be $1 per ton, with a minimum charge of 30c. The practice of dating ahead is hereby discontinued; all goods will be dated from time of shipment."

TRADE CHAT.

ON Sunday, Alex. Leitch's basket works at Ridgetown, Ont., were burned to the ground. The fire was started from a spark from a passing locomotive. The loss is partly covered by insurance.

The Chatham, Ont., Hedge Fence Co., have increased their capital from $25,000 to $35,000.

The Horn Gold Mining Co., with headquarters in Halifax, is applying for incorporation.

The Pearl Mining Co., Limited, with headquarters at Ottawa, is applying for incorporation.

The Yarmouth, N. S., Times says that Maitland, N.S., will soon boast a bicycle manufactory of modern proportions.

The Fairchild Co., Limited, manufacturers of vehicles, machinery, etc., Winnipeg, are applying to increase their capital stock to $100,000.

The Gold Panner Mining Co., of Ontario, Limited, has been incorporated, with a capital of $999,999. Its headquarters are in Rat Portage, Ont.

About 100 prisoners are engaged in making binder twine at the Central Prison, Toronto. More machinery is to be put in that will increase the output from five to six tons per day.

During the last seven months, Vancouver Island collieries shipped 436,000 tons of coal to San Francisco, Los Angeles, Alaska, Puget Sound points and China. During July, 58,000 tons were exported.

The Xochimileo Peat Fuel Co., Limited, Toronto, has been incorporated with a capital of $100,000. The directors are : A. A. Dickson, E. W. Spragge, D. A. McPherson, J. S. Loudon, of Toronto, and J. A. G. Aidagh, of Barrie.

The Hammond Gold Reef Mining Co., Limited, and The Folger-Hammond Mines Co., Limited, have been amalgamated under the style of The Hammond Reef Consolidated Mining Co., Limited, with headquarters in Toronto.

The owners of the land that North Sydney council expropriated to grant to The Dominion Iron and Steel Company, are dissatisfied with the remuneration offered them, and held a meeting the other day and appointed an appraiser. Legal actions are expected to follow.

A firm in Harrisburg, Pa., propose constructing an electric railway connecting Woodstock, Ont., with some of the neighboring towns. Dr. Ickes is in Woodstock for the purpose of arranging final details with the town council, and there is little reason to doubt that matters will be concluded satisfactorily. It is expected that the first line will be constructed from Woodstock to Hickson and Embro.

The United States Geological Survey report the total production of coke in 1898 as 16,047,209 short tons, with a value of $25,586,899. This was more than 20 per cent. in excess of any previous year in the history of the industry, 21 per cent. more than in 1897, and nearly 90 per cent. more than that of 1888, and five times greater than the 1880 output, the first recorded. The average price per ton fell from $1.66 in 1897 to $1.59 in 1898.

HONEST GOODS

IVER JOHNSON

Guns
Revolvers
Bicycles

HONEST PRICES

Send for Catalogue.

Iver Johnson's Arms & Cycle Works

FITCHBURG, MASS.

BRANCHES—
NEW YORK—99 Chambers St.
BOSTON—408 Washington St.
WORCESTER—304 Main St.

Gilbertson's Galvanized Sheets

PATENT COMET BRAND FLATTENED

are suitable for all kinds of Galvanized work demanding uniform quality; being made of superior Siemens Steel, they will **double seam** either way of grain, are smooth, soft, and well galvanized, every sheet being carefully selected; weight and count of sheets per case **fully equal** to the best known brands imported, and **cost less.**

GILBERTSONS are the only galvanizers who not only **roll all their Steel Sheets,** but manufacture **all their own Steel in their own Steel Works,** thus enabling them to put a soft and regular quality of steel into their sheets, which is impossible for galvanizers who buy their steel **in the open market.**

GILBERTSON'S CORRUGATED GALVANIZED SHEETS—all sizes.
FLAT GALVANIZED SHEETS (not fluxed) **for corrugating purposes.**

"GILBERTSON'S" SIEMENS-MARTIN TINPLATES

are soft, extra well coated, noted for deep stamping qualities, and for canners of fruits, meats, and fish have no equals. **Cost** no more than brands not nearly as well coated, or of equal quality

BRANDS: "Gilbertson's," "Parsons," "Pontardawe," "Lincoln," "Comet," "Regina," "Gwyned."

GILBERTSON'S TERNEPLATES, "Regina" brand.
IMITATION RUSSIA SHEETS—will not crack or scale. Pickled, cold rolled and close annealed.
SIEMENS-MARTIN STEEL SHEETS, close annealed, close annealed and cold rolled (flat and free from buckles), also pickled.
BLACK CEILING PLATES, "Comet" brand. Pickled, cold rolled and close annealed.
BLACK TAGGER PLATES. Pickled and close annealed.

Supplies carried by all wholesale jobbers. In ordering please mention brands.

ALEXANDER GIBB

Agent

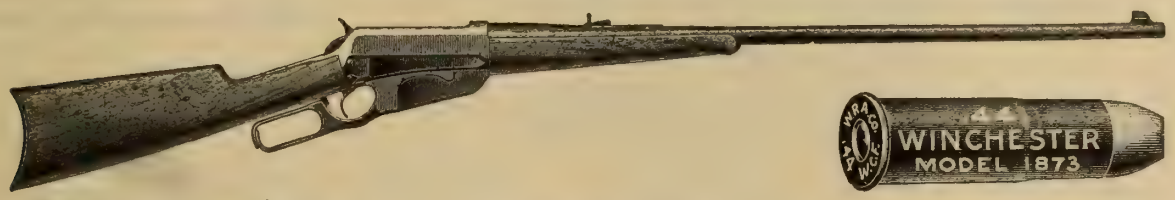
22 St. John Street, MONTREAL.

H. S. HOWLAND, SONS & CO.

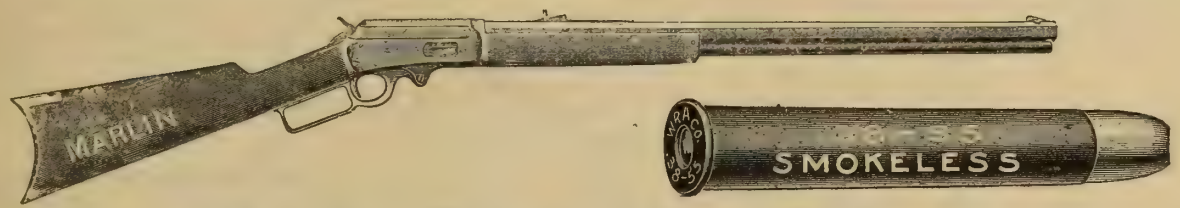
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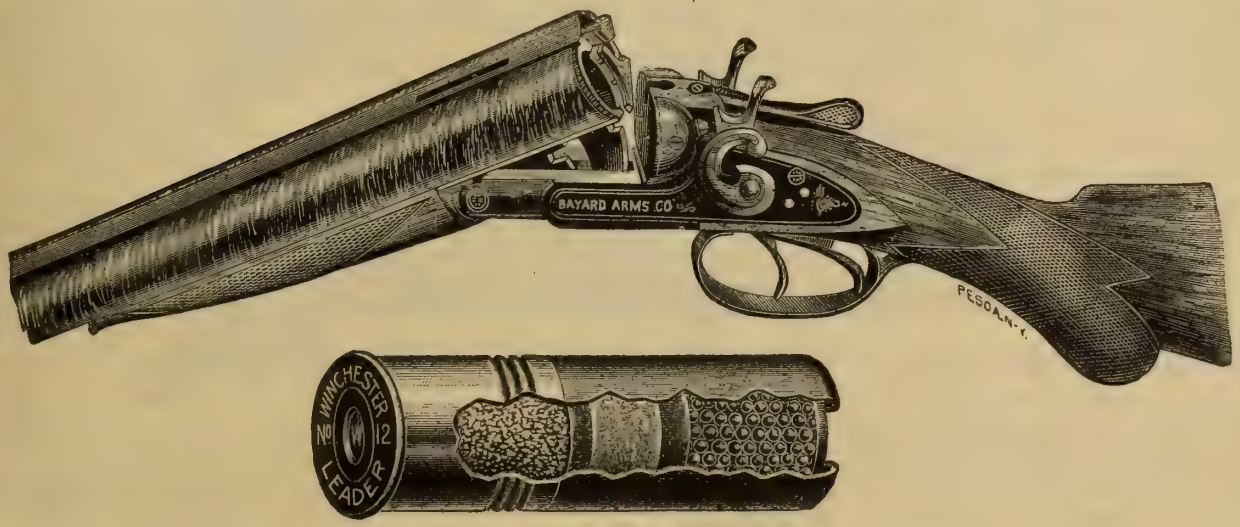
Revolvers, Flobert Rifles, Ammunition.



Winchester Repeating Rifles and Shot Guns.



Marlin Repeating Rifles.



Pieper's Breech-Loading Guns.

10, 12 AND 16 GAUGE

RELOADING TOOLS, SHOT POUCHES, POWDER FLASKS.

American Deadshot, 25-lb. Kegs. **POWDERS** **Schultze Smokeless,** in ½-lb. Tins.

Loaded Shells, Shot, Wads and Caps.

H. S. HOWLAND, SONS & CO., Toronto.

Order Solicited. Graham Cut and Wire Nails are the Best. **Our Prices are Right.**

WINDOW GLASS DEARER.

THE long delay in the arrival of import orders of window glass, and the consequent shortage of supplies here have combined with the firm feeling in Belgium to cause jobbers in Toronto to advance the price of glass in stock.

The ratio of advance varies according to the degree of scarcity of the different sizes. In 50 ft. boxes of star glass the advance is 15c. for sizes under 26 in., and 10c. for 26 to 40 in. In 100 ft. boxes all sizes up to 80 in. are 25c. dearer, from 81 to 85 in. the advance is 20c. Above that there is no change. Double diamond in 50 ft. boxes is 30c. dearer for sizes up to 26 in., and from 26 to 40 in. the advance is 35c., though in one size, 16 x 16, a special discount of 10 per cent. is offered. In 100 ft. boxes double diamond is unchanged for sizes under 41 in. From 41 to 85 in. the advance is 25c. From 86 to 110 in. a rise of 50c. is noted.

The following prices are now quoted :

	Star.		Double Diamond.	
	50 ft.	100 ft.	50 ft.	100 ft.
Under 26.....	$2 15	$4 00	$3 50	$6 00
26 to 40.....	2 25	4 35	3 75	6 65
41 to 50.....	....	4 75	....	7 25
51 to 60.....	....	5 00	....	8 50
61 to 70.....	....	5 35	....	9 25
71 to 80.....	....	5 75	....	10 50
81 to 85.....	....	6 50	....	11 75
86 to 90.....	....	7 25	....	14 00
91 to 95.....	.....	....	....	15 50
96 to 100.....	....	....	....	18 00
101 to 105.....	....	....	....	21 00
106 to 110.....	....	....	....	24 00
111 to 115.....	....	....	....	28 00

16 x 16 10 per cent. off.

Those who placed import orders this season will be glad to learn that the first orders are now on their way to Canada, and it is expected that after the first orders arrive there will not be long to wait for the remainder.

THOROUGH ORGANIZATION.

An ample stock and a prompt service in the matter of shipments is the system successfully pursued by The Canada Paint Company, of Toronto and Montreal. Their works, notwithstanding the summer dullness which generally prevails at this time of the year, are running full time and all orders are quickly despatched. Moreover, intending visitors will always receive a cordial welcome and may see the largest and most interesting varnish, lead and color plants in the Dominion.

FARMERS' TEAMS IN NEEPAWA.

I do not know of a better sight than is to be seen in Neepawa, Man., on a Saturday, when the two main streets are crowded with farmers' turnouts. One would travel a long time before he would come to a town where farmers have such good horses. This speaks well for the prosperous condition of the country. It is like a country fair to see the number of people in town. In fact, while the 'bus was carrying me from the station to the hotel, I thought something of the sort must be going on. It must be remembered that the Manitoba and Northwestern railway tried to side-track the town by erecting the station about half a mile away from the town. While driving through the district around Neepawa, I was struck with the richness of the soil and the healthy condition of the wheat, in spite of the vast amount of rain that had fallen.

ADVANCE IN SHERWIN-WILLIAMS PAINTS.

Under date of August 1, the following circular has been sent out to the trade by the Sherwin-Williams Co.:

The advance in the cost of raw materials makes it necessary to advance our prices as below, taking effect August 1, 1899.:

The Sherwin-Williams paint (prepared), S.W.P., 10c. per gallon ; The Sherwin-Williams porch floor paint, 10c. per gallon ; The Sherwin-Williams special interior colors, 10c. per gallon ; The Sherwin-Williams special floor paint, 10c. per gallon.

We are pleased that it was possible for us to defer this advance until now, thus avoiding annoyance to you during the busy season, but the continued advances in costs make an advance in our prices to you now absolutely necessary.

Costs to us may still be higher. There is no probability of their being any lower in the near future. We trust that we may be favored with your usual orders for stock for fall trade.

A NEW MEAT CHOPPER.

The Thos. Davidson Manufacturing Co., Montreal, are putting a new chopper on the market, called the "Sterling," which they claim is the best yet made. Four sizes of discs go with the machine, one for cutting meats, crackers, bread, etc., another for cooked meats and vegetables, another for fruits, salads, and foods desired in large pieces, while the fourth is a grater attachment for horseradish, cocoanut, etc. The machine is so simply constructed that it can be taken apart and cleaned with unusual ease. A small leaflet describing this chopper has been issued, and can be had on application.

THE CHILD'S LIFE WAS SAVED.

Fliegende Blaetter tells this : "One day I was riding alongside the railroad," said a traveler who had just returned from America, "when an express train came along. Just ahead, a little two-year-old child was standing on the track picking flowers. In a few seconds, the child would be crushed to death by the train. What should I do ? Quickly taking my lasso, which I was in the habit of using to catch wild cattle, I whirled it in the air, and, a second later, the locomotive was caught by the trusty rope. One strong pull, and the locomotive lay on its side in the ditch. To be sure, 200 lives were lost, but the child was saved ! "

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY MONTREAL.

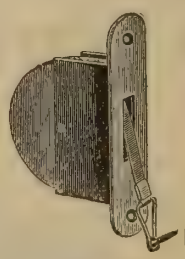


COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps. Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS
BALL BEARINGS
Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA



COATES' CLIPPERS
HAND AND POWER. easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel, and will not heat. 1899 catalogue ready.
Coates Clipper Mfg. Co.
WORCESTER, MASS.



Pullman Sash Balance Co.
Makers of the
"Pullman" Hardware Specialties
Main Office and Works,
Rochester, N.Y., U.S.A.

Size, ⅜-inch.



Cheapest IN THE WORLD.
J. M. LITCHFIELD
458 Quincy St.,
Brooklyn, N.Y.

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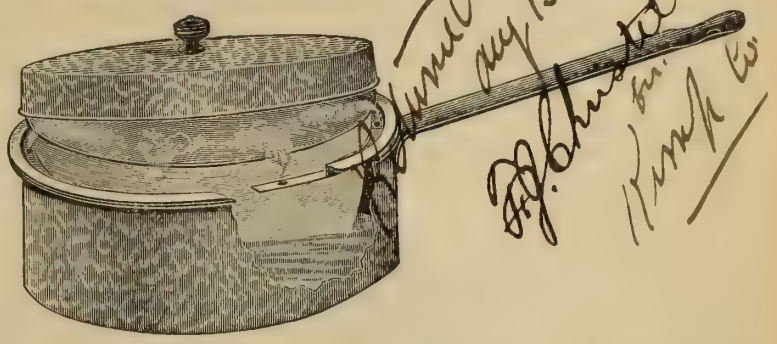
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Kemp's New Patent Steam Cereal Cooker.

A simple, inexpensive kitchen convenience.

Useful in one hundred ways. . . . . .



In cereals cooked by this method the kernels are expanded by the steam circulating over them, making them tender, delicate, delicious, and readily digestible.

Made in Diamond and Granite Enameled Steel Ware and Retinned Ware.

Kemp Manufacturing Co., ...Toronto, Canada.

Use Syracuse Babbitt Metal

IT IS THE BEST MADE



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds **Machinery Bearings.**

PIG TIN, LEAD, INGOT, COPPER, BRASS, NICKEL, ALUMINUM, ZINC SPELTER, ANTIMONY, ETC., FURNISHED PROMPTLY.

Factories: 332 William St., MONTREAL, QUE. and SYRACUSE, N. Y.

Syracuse Smelting Works



Dodge

Standard Wood Split Pulleys

ARE USED BY EVERY MILL AND FACTORY IN CANADA.

Live hardware houses keep our catalogue and discount sheet at hand, and display our handsome hanger.

Ours is the largest and most complete Pulley Works in the Dominion.

DODGE MANUFACTURING CO.
of Toronto, Limited **TORONTO, ONT.**

WORKS : Toronto Junction. CITY OFFICES : 74 York St.

DON'T BE UNJUST TO THE JOBBER.

By G. S. Mann.

NOW that we are entering upon a new era of prosperity, we should not forget the lessons of the depression through which we have recently passed. In perpetuating our enforced economies lie the possibilities of future success. To sell closely and quickly, to credit carefully, to discount purchases and to collect promptly are going to be the rules, from this time forward, of the majority of those who have weathered the storm. In some lines of trade, the discounts for cash will amount to enough to pay the expenses of the business. In such lines, therefore, one should never never fail to take advantage of the discounts offered.

Some retail dealers appear to think that a few days later than the terms stated will make no difference. In such conclusions they are greatly mistaken. "Two per cent. 10 days" means just what it says, and the purchaser ratifies the contract of sale, of which this is an important part, whenever he accepts the goods. He should, therefore, be as scrupulous to observe that part of the agreement as any other.

The clause above quoted does not mean: "Send the money when you get ready and take off your discount," but, instead, it is: "If your remittance reaches us within 10 days from date of invoice, we will give you 2 per cent. discount."

Does the retail merchant ever realize that anything less than this is not a payment in full? The amount of the discount or the delay beyond the date may be trifling, but the times through which we have been passing have been of the kind to demonstrate that it is trifles which make or mar business. As a fact, the aggregate of such trifles is a considerable amount.

Certainly, no fair-minded and honorable business man would continue the practice of varying from the letter of the contract after once giving the matter careful thought.

The practice of exceeding the discount limit on invoices is an indication of a desire to get the best of the jobber in little things that often proves a forerunner of worse to come. Hence, in part, the attention that the jobber is likely to pay to such matters, and hence, in part also, the reason why the merchant should refrain from such things in the sense of avoiding the appearance of evil.

While in an individual case slightly exceeding the discount limit seems a matter too small to notice, the aggregate of many items is a considerable loss to the jobber. A delay in payment, or a discount unjustly deducted, both of which are breaches of the contract of sale, are, in fact, large factors that must be considered by the jobber and carefully covered in his calculations. He must have a margin of profit sufficiently large to take care of these expenses without loss. The universal compliance with the contract of sale by the customers of a jobber would enable him to lower his prices.—Exchange.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

J. B. Nulty, general merchant, Onge Gardien, Que., is offering 50c. on the dollar.

Graine & Roy, general merchants, etc., Cascade City, B. C., have assigned to James Good.

Ignace Moquin, general merchant, Crysler, Ont., has assigned to Archibald McNab.

D. Armand has been appointed curator of the estate of U. F. Drouin, hardware dealer, Quebec.

Alex. Desmarteau has been appointed curator of the estate of T. Crevier, founder, Montreal.

A meeting of the creditors of Ross & Somerville, bicycle dealers, etc., Sarnia, Ont., has been held.

J. & P. Nadeau, general merchants and lumber dealers whose sawmill was recently burned, are offering 50c. on the dollar.

PARTNERSHIPS FORMED AND DISSOLVED.

Grothe Freres, builders, Montreal, have dissolved.

Nap. Mercier & Cie., saw filers, Levis, Que., have dissolved.

Archambault & Bertrand, blacksmiths, Montreal, have dissolved.

M. S. Taylor & Co., general merchants, Mansonville, Que., have dissolved.

Manson & Adie, general merchants and hotelkeepers, Waneta, B.C., have dissolved, Frederick Adie continuing.

SALES MADE AND PENDING.

S. McBratney, blacksmith, Acton, Ont., is advertising his business for sale.

Wm. McKernan, blacksmith, Woodham, Ont., is advertising his business for sale.

The stock of C. H. Beaulieu, general merchant, New Carlisle, Que., has been sold at 37c. on the dollar.

G. W. Z. Holmes, dealer in tinware, etc., Hintonburg, Ont., has sold his stock at 53½c. on the dollar.

CHANGES.

Lederman & Co., general merchants, Baden, Ont., have been succeeded by Wm. Peffer.

John Mannerow, general merchant, Desboro, Ont., has been succeeded by John Reehn.

B. F. Myles, general merchant, Thompson Station, N.S., has sold out to W. C. Brown.

B. Havey has bought out the stock of H. W. Benson, hardware dealer, Bridgetown, N.S., and has opened up in that place.

Gilbert McMulkin is opening out as hardware dealer in St. John, N.B.

M. R. Wells, sawmiller, Central Park, B. C., has been succeeded by Wells & Smirl.

Wm. Beatty, planing miller, etc., Harriston, Ont., has been succeeded by J. E. Merriam.

E. H. Morlock & Co., general merchants, Tavistock, Ont., have been succeeded by G. G. Peppler.

Waring, White & Co., machinists, St. John, N.B., have been succeeded by the St. John Iron Works, Limited.

T. A. Blackwell, harness dealer, etc., Melita and Pierson, Man., has sold out the Pierson branch to R. R. Rooks.

FIRES.

J. F. Beckham's planing mill, Montreal, has been burned; partially insured.

Varsene Bourdon, saddler, Laprairie, Que., has been burned out; partially insured.

Thomas Hetherington, general merchant, Cody's Station, N.B., has been burned out; partially insured.

The premises of The D. F. Jones Mfg. Co., manufacturers of shovels, Gananoque, Ont., have been damaged by fire; insured.

DEATHS.

Richard B. Pinkay, saddler, Huntingdon, Que., is dead.

John E. Freeman, general merchant, Harmony, N.S., is dead.

James McCabe, general merchant, Notre Dame du Lac, Que., is dead.

NATURE OF SMOKE.

The investigations that have been made by the various learned commissions appointed for the purpose and by independent observers have all agreed, says American Manufacturer, on one point, viz, that the composition of smoke varies according to circumstances, such for instance as the nature of the fuel, the method of firing, the character of the grate, etc. In a general way smoke may be said to consist of five principal ingredients, viz.:

1. Unconsumed carbon in a state of extreme fineness, so-called soot, or "blacks."

2. Tarry matters from the fuel.

3. Dust particles, and small fragments of fuel carried along by the draft.

4. Non-combustible gases, such as the nitrogen of the air, carbonic acid, aqueous vapor and sulphur and ammonia compounds derived from the complete odidation of a portion of the fuel.

5. Combustible gases, such as carbon monoxide, derived from the incomplete oxidation of the fuel.

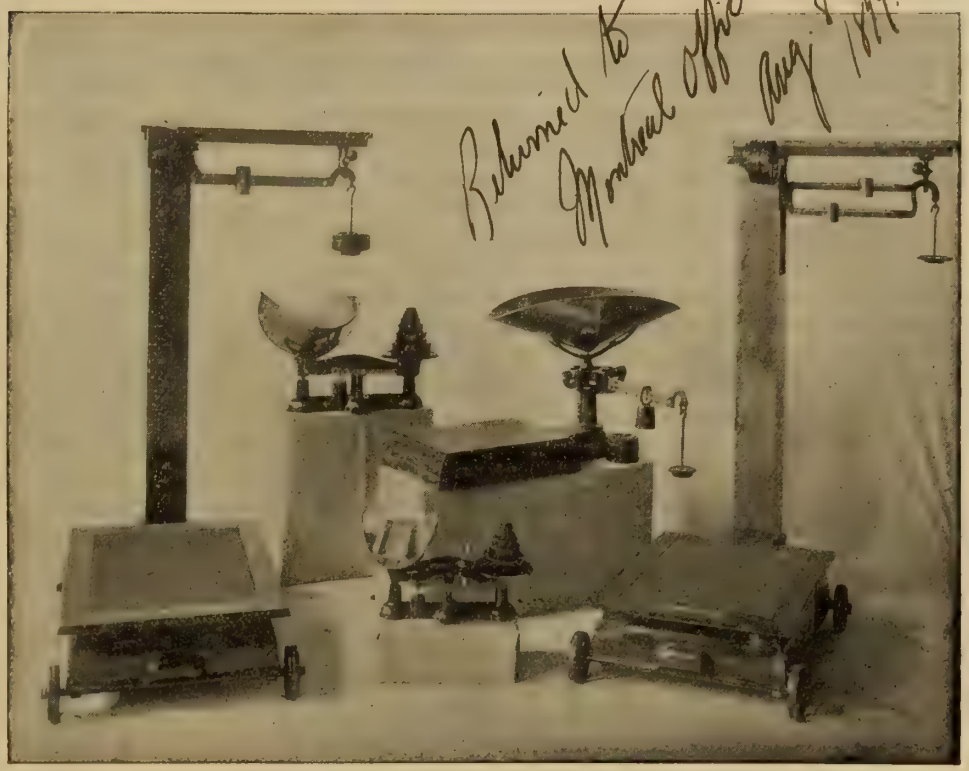
Whose Scales to Handle?

THE RIGHT ANSWER IS AT THE RIGHT.

We want your **FALL ORDER,** and have prepared to fill it promptly.

Our "Dominion," Platform, "Richelieu" Union, and "Crown" Even balance Scales are the leading Low-Priced Scales sold in Canada.

Our prices are right.



We will furnish you attractive circulars with your name on them.

We shall have to raise prices soon, so do not fail to order promptly.

QUALITY: That's our Watchword.

Since 1830, when Thaddeus Fairbanks invented the Platform Scale, Fairbanks Scales have been the world's standard, and never have we made so many scales or made them so well. The more we make, the cheaper we can make them.

Quantity is the greatest factor in production. That explains why we can give you so much better value for your money. We have never been so well prepared to fill Canadian orders, and want to hear from you.

FAIRBANKS

The Fairbanks Co.

749 Craig St., MONTREAL.

MARKETS AND MARKET NOTES.

QUEBEC MARKETS.

MONTREAL, August 4, 1899.

HARDWARE.

BUSINESS has been maintained in fair volume during the past week, and the general upward tendency is as pronounced as ever. Flat head screws are 2½ per cent. higher, revolvers are 10 per cent. up, and sleigh bells 15 per cent., while makers have withdrawn prices on hammers. Screws, bolts and nuts still furnish a good movement, but business in other lines is less noticeable.

BARBED WIRE—There is not much doing, and prices are unchanged. At the factory, $3 is asked, and, in small quantities, $3.10 to $3.15 is a range.

SMOOTH STEEL WIRE — Business has been moderate since the advance noted last week. We quote $2.85 f.o.b. factory as the base price.

GALVANIZED WIRE — Business is quiet, but prices are firmly held on the basis of $3 for No. 9.

FINE STEEL WIRE—Discounts the same: 20 per cent., with trade dull.

BRASS AND COPPER WIRE — Continues as last reported, at 50 and 2½ per cent. off on brass, and 45 and 10 per cent. on copper wire.

FENCE STAPLES — We quote: $3.05 for bright and $3.65 for galvanized per keg of 100 lb.

FINE STAPLES—Business is moderate in these. Discounts are: Cooper, 55; poultry netting, 45, and electrician, broom, bed, etc., 40 per cent. off.

WIRE NAILS—Both jobbers and retailers are sorting up stocks, and the fact leads to a fair movement. The base price is firmly held at $2.70 f.o.b. Montreal.

CUT NAILS—A lot of small orders keep arriving, and the fact imparts a considerable degree of activity to the market. We quote $2.25 f.o.b. here.

HORSE NAILS — A fair business is noted for forward account. Discounts are 50 per cent. on standard and 50 and 20 on Acadia.

HORSESHOES — Quiet, but inquiry for forward account is commencing to make itself felt. We quote as follows: Iron shoes, light and medium pattern, No. 2 and larger $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4; X L steel shoes, new light pattern, No. 2 and larger, $3.90; No. 1 and smaller, $4.15; featherweight, all sizes, Nos. 0 to 4, $5.15; and toe weight steel shoes, all forward, all sizes $6.25 f.o.b. Montreal, St. John, N.B., and Halifax, N.S. Delivered f.o.b. in Toronto, Hamilton, London and Guelph 10c. per 100 lb. extra.

SCREWS — There is an active trade in these, and the price of flat head bright has been advanced 2½ per cent. Other kinds are unchanged. Discounts are: Flat head, bright, 80 and 5 per cent; round head do., 75 and 5; flat head, brass, 75 and 5; round head do., 67½ and 5.

BOLTS — There is a good trade in these. Discounts are: Carriage bolts, 5-16 and smaller, 55 per cent.; ⅜ and up, 50 per cent.; full square bolts, 65 per cent.; machine bolts, 55 per cent.; coach screw bolts, 67½ per cent., and sleighshoe bolts, 72½ per cent.

NUTS AND WASHERS—Same can be said of

Preserving Kettles

IT IS NOW that you should order your **Enamelled Preserving Kettles,** and save being disappointed later on, as in former years.

"Famous" AND *"Imperial"*



Enamelled Kettles . .

CAN ALWAYS BE DEPENDED UPON.

They are made from the best grades of special steel, and are coated with the best material.

ACID-PROOF

You run no risk in buying them.

The McClary Manufacturing Company

LONDON TORONTO MONTREAL WINNIPEG VANCOUVER

We'd like to have buyers for all the galvanized iron we make, and keep nobody waiting.

If anybody waits, it isn't the regular buyer.

Apollo Iron and Steel Company, Pittsburgh.

Cements { PORTLAND, ROMAN, KEENE'S

Bricks . . { FIRE, BUILDING, PAVING

Sand . . . { SILICA FIRE, MOULDING, BUILDING

F. HYDE & CO.
31 Wellington street, MONTREAL

English Castor Oil
GUARANTEED PURE.
Pharmaceutical, Tasteless, Cold Drawn
First Pressure
Second Pressure
In cases of 2 tins and in barrels. Stocked by all Hardware, Oil and Color men.
The Hull Oil Manufacturing Co.
LIMITED
B. & S.H. THOMPSON & CO.
Agents for Canada - MONTREAL

CANADA IRON FURNACE CO., Limited
Manufacturers of
CHARCOAL PIG IRON
MONTREAL.
BRAND "C.I.F." THREE RIVERS
PLANTS AT
Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.
Geo. E. Drummond,
Managing-Director and Treasurer

these. We quote: Square, 3¾c. and hexagon 4¼c. per lb. ; discount off list. Washers in 50-lb. boxes are 50 per cent. discount.

RIVETS—Business in these is well maintained for the season. Discounts now are: Black and tinned, 45 per cent.; ditto burrs, 40 per cent.; copper rivets and burrs, 35 per cent.

CORDAGE — With primary advices very firm, the market is strong in tone and inquiry is fair. We quote as follows: Manila, 7-16 and up, 12c.; ⅜, 12½c., and ¼ and 5-16, 13c. Sisal, 10¾c. for 7-16 and up; 11¼c. for ⅜, and 11¾c. for ¼ and 5-16. Binder twine: Pure manila, 10½c.; 550 feet, 10c.; sisal, 500 feet, 9½c.

WRINGERS—A good trade is noted in these. Values range from $48 to $60, as to brand, with 45 per cent. discount.

BUILDING PAPER—There has been a fairly brisk trade in this material.

GREEN WIRE CLOTH—It seems impossible to get supplies forward freely, and buyers are handicapped for this season. The basis is firm at $1.75.

SPADES AND SHOVELS—There is a moderate trade in these with discounts unchanged.

HARVEST TOOLS — Continue as last reported.

SPORTING GOODS—Jobbers were notified this week that revolvers had been advanced 10 per cent. Inquiry for firearms and ammunition is satisfactory.

TOOLS—Prices have been withdrawn on hammers, and auger bits are very scarce.

SLEIGH BELLS—These have been advanced 15 per cent. on previous prices.

CEMENT—There has been an improved demand for cement during the week, carload lots moving quite freely. Values are steadily held. We quote: Belgian, $1.90 to $2.10; English $2.30 to $2.40, and German, $2.45 to $2.65, per cask ex wharf.

FIREBRICKS—There is a good demand for firebricks, the movement being large for this season of the year. Prices are $17 to $23 per 1,000, as to brand, ex wharf.

METALS.

The metal market continues remarkably strong for all sorts, tin, pig iron, Canada plate, tinplate and galvanized iron also reflecting an unmistakable upward tendency.

PIG IRON—This market continues as strong as ever. The inside price for Scotch pig is now $24 for leading brands, and for small quantities $25 is asked. As already noted, no quotations are obtainable on Hamilton pig.

BAR IRON—This material continues firm and quite a few car lots are moving. The general price is $2, and though a lower figure has been spoken of, the case was an exceptional one.

Canada Plates
"DOMINION CROWN"
The finest All-Polished Plate on the market.
"ALLAWAYS" and "LYDBROOK"
The best Genuine Half-Bright.
"TRYM"
Ordinary finish, good working quality
A. C. LESLIE & CO.
MONTREAL.

FOX
All-Steel Sash Pulleys
THEY require no Screws—this means a saving of a gross of screws on every six dozen Pulleys.
THEY can be applied quicker than any other Pulley.
THEY are cheap, strong and durable.
NO NAILS NO SCREWS
JUST BORE FOUR HOLES
AIKENHEAD HARDWARE CO.
Toronto.

ADAM HOPE & CO.
30 JOHN STREET N.
Hamilton, Ont.
PIG TIN
PIG COPPER INGOTS
PIG LEAD
ANTIMONY
TIN, and CANADA PLATES

NOVA SCOTIA STEEL CO.
Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
Open Hearth Steel

BLACK SHEETS —There is a fair demand for these on forward account. We quote: 8 and 16, $2.45; 18 and 20, $2.15; 22 and 24, $2.35; 26, $2.40, and 28, $2.45.

HOOP IRON—Firm and higher at $2.60 to $2.70.

STEEL—Firmly held. We quote: Sleighshoe and tire, $2.50; spring, $2.75; machinery, $3, and toe calk, $3.

GALVANIZED IRON—Inquiry is active, but, with light stocks, jobbers are very conservative. Prices are firmly held. We quote: Queen's Head, $4.55 to $4.80; Comet brand, $4.30 to $4.55, according to the size of the order.

INGOT COPPER —Prices have advanced both in London and New York, and the spot figure is firm at 19½ to 20c.

INGOT TIN — The excitement in this metal continues, a further sensational advance being scored both at London and New York. Here it is firm at 36c.

PIG LEAD — Firmness is noted on outside markets, and spot prices are strongly held at $4.25.

LEAD PIPE—Quiet. We quote as follows: Ordinary, 7c., and composition waste, 7½., with 20 per cent. discount.

IRON PIPE—There is a good demand for iron pipe, but prices here are still as last quoted: Black pipe, ⅛ and ¼-inch, $3.12; ⅜-inch, $3.09; ½-inch, $3.72; ¾-inch, $5.14; 1-inch, $6.82; 1¼-inch, $8.66 and 2-inch, $11.02. Galvanized pipe, ⅛ and ¼-inch, $5.64; ⅜-inch, $6.64; ½-inch, $7.41; ¾-inch, $10.12; 1-inch, $14.03; 1¼-inch, $17.16, and 2-inch, $23.

TINPLATES—These are firm at the rise noted. Inquiry is active, but sellers are operating cautiously on forward business. We quote as follows: Coke, I. C., $4.00; charcoal, I. C., Allaway or Comet brands, $4.25; do. I. X., $4.50; Lincoln, $4; P. D. Crown, $4.75; do. I. X., $5.50; Bradley's, $6.25.

CANADA PLATES — The same remarks apply to this line, which have again advanced 10c. We quote: 52's, $2.40; 60's, $2.50; 75's, $2.60; full polished, $3.15; galvanized Canada plates, $4.25 for 52's.

TERNE PLATE—Firmly held and higher, with a fair demand at $7 to $7.25.

COIL CHAIN—Steady. We quote: No. 6, 10¾c.; No. 5, 9¼c.; No. 4, 8¼c., and No. 3, 7¼c. per lb.; ¼-inch, $6; 5-16, $4.75; ⅜, $4.25; 7-16, $4.10; ½, $4; 9-16, $3.95; ⅝, $3.85; ¾, $3.65, and ⅞, $3.55 per 100 lb.

SHEET ZINC — As last noted, at 7½ to 7¾c.

ANTIMONY—Unchanged, at 10 to 11c.

SPELTER—Continues firm, but unchanged, at $7.

GLASS.

There is a moderate business, and values all around are steadily held. We quote: First break, $1.90; second, $2 for 50 feet; first break, 100 feet, $3.60; second, $3.80; third, $4.25; fourth, $4.50; fifth, $5; sixth, $5.50, and seventh, $6.

PAINTS AND OILS.

Business is quiet, but values all round are steadily held.

WHITE LEAD—Best brands, Government standard, $6.00; No. 1, $5.62½; No. 2, $5.25; No. 3, $4.87½.

DRY WHITE LEAD—$4.75 in casks; kegs, $5.

RED LEAD—Firm; casks, $4.75; in kegs, $4.50.

WHITE ZINC PAINT—Pure, 8c.; No. 1, 6½c.; in oil, pure, 9c.; No. 1, 7½c.

PUTTY –We quote: Bulk, $1.65; bladders, in bbls., $1.80; bladders, in cases, $1.95; in tins, $2.05 to $2.30.

LINSEED OIL — Raw, 57c.; boiled, 58c., five to nine-barrels, 1c. less, ten and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to four barrels, 63 to 64c., two to four-barrel lots, 1c. less, five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Firm; $1 to $1.20 per gallon.

CASTOR OIL—Firm; 7½ to 8c.

SEAL OIL—35½ to 37½c.

COD OIL—35 to 37½c.

NAVAL STORES—Fair demand for all lines, and prices show no change. Resins, $2.75 to $4.50, as to brand; coal tar, $3 to $3.50; cotton waste, 4½ to 5½c. for colored, and 6 to 7½c. for white; oakum, 5½ to 6½c., and cotton oakum, 9 to 11c.

PARIS GREEN—250-lb. casks, 13½c.; 50-lb. drums, 14c.; 1-lb. packages, 15c.; ½-lb. packages, 16½c.; 1-lb. tins, 15½c.

PETROLEUM.

Trade is quiet and steady. We quote: Crown, Acme, the new Sarnia oil, 15½c.; Perfection and Silver Star Canadian refined, 14½c.; American prime white, 17c.; water white, 18c., and Pratt's astral, 19½c., in small quantities.

HIDES.

Lambskins have advanced 10c., and are now quoted at 40c. Beef hides are unchanged at 9, 8 and 7c., while calfskins are 11 and 9c.

COAL.

There is a probability that all grades of coal will be scarce before the end of the season and the market is adopting a much firmer tone. We quote: Stove, $5.75; chestnut, $5.75; egg, $5.50; Scotch grate, $6; Scotch steam, $4 to $4.50; Tower ports steam, $3.50 to $3.75.

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.

'WELLINGTON'

KNIFE POLISH

JOHN OAKEY & SONS, LIMITED

MANUFACTURERS OF

Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.

Wellington Mills, London, England.

Agent:

JOHN FORMAN, 644 Craig Street

MONTREAL

FOR SALE.

FOR SALE — BRANCH STORE — PLUMBING. Hardware, Stove, Furnace and Tinning Business, Established five years. Sales doubled in last year. Only store of its kind within ten miles. Reasons for selling—Have all the business proprietors care to see to at their main store. $3,500 stock and fixtures. Rare chance for business man. Address, H. L. WHEELOCK Rock Island, Quebec. t.f.

29 Years. Established 1870. 29 Years.

SEASONABLE GOODS AT RIGHT PRICES.

Barbed Wire Fencing; Agricultural Implements; Bradley Tin; Builders' and Cabinet Makers' Hardware Special—A full line of Tinsmiths' Tools and Machinery—latest improvements.

SEYBOLD, SON & CO. - MONTREAL.

Builders' Hardware

We have the LARGEST ASSORTMENT and LATEST DESIGNS at LOWEST PRICES.

Call and see our samples.

Canada Hardware Co.

Limited

10 DeBRESOLES ST.

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JOHN BOWMAN HARDWARE & COAL CO.

London, Ont.

For further supplies of **BINDER TWINE, write us.**

Shipment Prompt. Prices the Lowest.

MONTREAL NOTES.

Coal is pointing higher all around.

Flat head screws have been advanced 2½ per cent.

Revolvers are 10 per cent higher all around in price.

Quotations on hammers were withdrawn by makers this week.

A round lot of English cement sold at $2.35 ex wharf this week.

Sleigh bells have been marked up 15 per cent. over previous prices.

ONTARIO MARKETS.

TORONTO, August 4, 1899.

HARDWARE.

BUSINESS is, on the whole, quiet, and quieter than it was a week ago. This is what is to be expected at this time of the year, especially when so many of the travelers are taking their holidays. Still, for this time of the year, a good business is being done. The tendency of values is still upwards. Round head bright wood screws have been advanced about 14 per cent. Sad irons are quoted 2½ to 5c. higher. The manufacturers of cast hardware in the United States have advanced their quotations again. Wrought hooks and staples and wrought hasps and staples are dearer. Stamped fire shovels, "Acme" fry pans, revolvers, stove dampers and petroleum faucets are all quoted higher. The demand for wire nails is fair, and for cut nails it is quiet. A fair business is being done in hay-baling wire, but in other kinds of wire the demand s light. Screws are still in active demand. Bolts are selling well, particularly stove bolts. Business is fair in rivets and burrs.

BARBED WIRE—Business is quiet with prices firm and unchanged at $3.25 f.o.b. Toronto.

SMOOTH STEEL WIRE—The demand is fairly good for hay-baling wire, but oiled and annealed is quiet. Prices are unchanged, the base figure still being $2.85 f.o.b. factory.

GALVANIZED WIRE—The demand is only moderate. Prices are firm and unchanged. We quote: Nos. 6, 7, 8 gauge $3.40; No. 9, $2.90; No. 10, $3.50; No. 11, $3.55; No. 12, $3.05; No. 13, $3.15; No. 14, $3.90; No. 15, $4.50; No. 16, $4.65.

WIRE NAILS—The demand is much the same as a week ago, namely, of a sorting-up nature. The base price is unchanged at $2.75 f.o.b. Toronto.

CUT NAILS—Business is quiet, and the base price unchanged at $2.25 f.o.b. Toronto, Hamilton and London.

HORSE NAILS—Trade is still quiet. We quote: Standard, oval head, 50 per cent.; Acadia, countersunk head, 50 and 20 per cent.

HORSESHOES — No new features have developed, either in regard to prices or business. We quote as follows: f.o.b. Toronto, Hamilton, London and Guelph: No. 2 and larger, light, medium and heavy iron shoes, $3.60; snow shoes, $3.85; light steel shoes, $4.00; featherweight shoes, all sizes, $5.25. No. 1 and smaller, light, medium and heavy iron shoes, $3.85 per keg; iron snow shoes, $4.20; light steel shoes, $4.15; featherweight steel shoes, all sizes, $5.25.

SCREWS—The feature of the screw trade this week is an advance of about 14 per cent. in the price of round head bright screws, the discount on which is 80 and 5, instead of 82½ and 5 per cent. The screw trade continues brisk. We quote: Flat head bright, 80 and 5 per cent. off the list; round head bright, 75 and 5 per cent.; flat head brass, 75 and 5 per cent.; round head brass, 67½ and 5 per cent.; flat head bronze, 67½ and 5 per cent.; round head bronze, 62½ and 5 per cent.

BOLTS—Trade is still active, particularly in stove bolts. We quote as follows: Norway bolts, full square, 65 per cent.; common carriage bolts, 5-16 and under, 55 per cent.; ditto, ⅜ and larger, 50 per cent.; ditto, full square, 65 per cent.; machine bolts, all sizes, 55 per cent.; coach screws, 67½ per cent.; sleighshoe bolts, 72½ per cent.; blank bolts, 55 per cent.; bolt ends, 62½ per cent.; nuts, square, 3¾c.; nuts, hexagon, 4¼c.; tapping nuts, 60 per cent.; tire bolts, 60 and 10 per cent.; stove bolts, 60 and 10 per cent.

RIVETS AND BURRS — A fair trade is still to be noted at unchanged prices. We quote as follows: Carriage section, wagon box rivets, etc. (steel), 60 per cent. off the list; ditto (Norway iron), 55 per cent.; black M rivets, (steel) 60 per cent.; ditto (Norway iron), 45 per cent.; iron burrs, 40 per cent.; copper rivets, 35 per cent.; bifurcated, with box, $1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

ROPE—Prices are firm and unchanged. The demand is light. We quote: Sisal, 7-16 in. and larger, 10½c. per lb.; ⅜ in., 11c.; ¼ and 5-16 in., 11½c. Manila, 7-16 in. and larger, 12c. per lb.; ⅜ in., 12½c.; ¼ and 5-16 in., 13c.; New Zealand, 9½c. per lb.; Deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 8¾c. Clotheslines, 48 feet, 90c.; 60 feet, $1.20; 72 feet, $1.50; 100 feet, $2.

CHURNS — Business is quiet. We quote: Metal frame—No. 0, $3; No. 1, $3.20; No. 2, $3.40; No. 3, $3.75; No. 4, $4.50; No. 5, $5.90. The price of wooden frames is 15c. per churn less than the above. Terms, 3 per cent. off 30 day f.o.b. Toronto.

WRINGERS — Very little doing. We quote as follows: "Leader," $60 per doz.; "Royal Canadian," $58; "Royal American," $48. Prices are all f. o. b. Toronto, Hamilton, Brockville, and Montreal. Discount, 45 per cent. Terms, four months, or 3 per cent., 30 days.

BUILDING PAPER—Trade is quiet and featureless. We quote: Plain building, 28c. per roll; tarred lining, 35c., according to quality; tarred roofing felt, $1.40 per 100 lb.; carpet felt, $2.25 per 100 lb.

CEMENT— Trade continues good. Prices are unaltered. We quote in barrel lots: Canadian Portland, $2.65 to $2.90; English do., $3; German do., $3.10; Belgian do., $2.70; Canadian hydraulic cements, $1 to $1.10; calcined plaster, $1.90; asbestos cement, $2.50 per bbl.

SPORTING GOODS—There is not much doing, repeat orders not having yet begun to come in. Revolvers of all kinds have recently been advanced 40 to 50c. each.

CUTLERY—There is not a great deal being done. The outlook for the fall trade is considered good, both for foreign and domestic-made cutlery. Difficulty is being experienced in getting delivery of both English and German cutlery. German goods ordered in November last were only delivered a few weeks ago.

SAD IRONS—Prices have been advanced 2½ to 5c., and we now quote Mrs. Potts, 70c. per set, and nickle plated at 85c. per set.

FIRE PANS AND FIRE SHOVELS—Stamped fire shovels and "Acme" fry pans of United States make are about 33⅓ per cent. dearer.

HOOKS AND STAPLES, ETC-—Wrought hooks and staples and wrought hasps and staples have been advanced about 25 per cent.

AXES—The axemakers in the United States have advanced prices. The cheapest first quality axe now being quoted in the United States market is $5.50. This, with the duty added, would mean about $6.90 per doz. in Canada. The Canadian makers have advanced their prices 50c. to $1 per box.

STOVE PIPE DAMPERS—Cast iron stove pipe dampers have been advanced in price, and we now quote: 6-inch, $9 per gross; 7-inch, $12 per gross.

FAUCETS—Petroleum faucets have been advanced 25 per cent. in the American market. The makers of tinned key faucets have notified the trade of an advance of 10 per cent. in prices.

METALS.

Prices are still tending upwards in metals, and a fairly good trade is being done. Our quotations have been again advanced on pig tin, tinplates, and solder.

PIG IRON—The market continues strong and active at $21 f.o.b. the furnace for Hamilton iron.

BAR IRON—Business continues brisk and the base price firm and unchanged at $2.

BLACK SHEETS—Trade is fair, having improved the past week. Prices are unchanged, 28 gauge being quoted at $3.10.

GALVANIZED IRON—Stocks of galvanized iron on spot are lower than they have been for years, and jobbers are unable to fill all orders. We still quote 28 gauge at $5 per 100 lb.

COPPER—Business has improved in ingot copper during the week, and is now accounted good. Trade is also fairly good in sheet copper. There appears to be an easier feeling in the copper market. The big manufacturers are overtaking their orders, and, in some cases, are accumulating small stocks. Local quotations are unchanged, ingot being 20 to 21c. per lb. and sheet 23 to 23½c. per lb.

PIG TIN—Although easier during the last couple of days the primary markets are a great deal higher than a week ago, and our local quotations are 1c. per lb. higher, at 37c. The demand is good, having improved during the week.

TINPLATES —Some of the brands show a further advance of 25c. per box, while others are unchanged.

TINNED SHEETS—Prices are higher, and we now quote: 24 gauge, 7 to 7½c.; 26, 7½ to 8c., and 28, 8 to 8½c.

CANADA PLATES —The demand, which for some time has been poor, is now fairly active. We quote: All-dull, $2.75; half-polished, $2.85; all-bright, $3.20.

IRON PIPE — Trade continues active, and prices firm and unchanged. Quotations on black pipe are as follows: ¼ to ⅜ inch, $3.35; ½ inch, $3.40; ¾ inch, $4; 1 inch, $5.50; 1¼ inch, $7.35; 1½ inch, $9.25; 2 inch, $12.50; 2½ to 6 inch, discount off the list 45 per cent. Galvanized pipe is quoted as follows: ½ inch, $6.50; ¾ inch, $8; 1 inch, $11; 1¼ inch, $15.25; 1½ inch, $19; 2 inch, $27.

PIG LEAD—The demand is fairly good. Prices are steady. We quote: 4½ to 4¾c. per lb.

LEAD PIPE—Trade is dull. We quote: Ordinary pipe, 7c.; waste, 7¼c. Discount, 20 per cent.

RANGE BOILERS — A good trade is still to be noted. We quote as follows: Galvanized, 30 gals., $9; 35 gal., $10; 40 gal., $11. Copper, 30 gal., $22; 35 gal., $26; 40 gal., $30; discount off copper boilers, 10 per cent.

SHEET ZINC—Trade is quiet at 8¼ to 8½c. for cask and smaller quantities respectively.

SPELTER—Business is rather better than it was. We quote 7½ to 7¾c. per lb.

SOLDER—Prices have advanced in sympathy with tin. We quote: 21 to 22c. for half-and-half; 20 to 21c. for refined, and 18 to 19c. for wiping.

ANTIMONY — Trade is still quiet and featureless at 11 to 11½c. for Cookson's.

SOIL PIPE—Trade is fair. Discount, 50 and 10 per cent.

LANTERNS BURNERS



Victor Bicycle Lamps.

Sheet Metal Goods.

Manufactured by
ONTARIO LANTERN CO., HAMILTON

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CAUSES OF FAILURE

In the Hardware Trade and How Avoided.

As long as there are failures, subjects that furnish information how to prevent them will always be timely. We have published, in pamphlet form, three admirable papers on the above topic, in which Over-Stocking, Expense, Capital, Credit, Discounts, Buying, etc., etc., are ably discussed. We will mail the whole three essays to any address on receipt of 10 cents

HARDWARE AND METAL, Toronto

PAINTS AND OILS.

The volume of business being done is unusually good for August. There is a good demand for all materials, except paris green, which is stagnant. Buyers who have waited for a decline in turpentine are now buying freely, as it is generally recognized that prices will not go lower. The tendency at present is upwards, an advance of 3c. being noted this week. Linseed oil is steady. White lead is firm, as are all sundries. The Sherwin-Williams paints have been advanced 10c. in price, because of the rise in the price of materials. They are now quoted at $1.30 per gal. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $6.12½; No. 1, $5.75; No. 2, $5.37½; No. 3, $5; No. 4, $4.62½; dry white lead in casks, $5.10.

RED LEAD—Genuine, in casks of 560 lb., $4.90 to $5; ditto, in kegs of 100 lb., $5.15 to $5.50; No. 1, in casks of 560 lb., $4.75; ditto, kegs of 100 lb., $5.

LITHARGE AND ORANGE MINERAL—Litharge, 6 to 6½c.; orange mineral, 7½ to 8½c.

WHITE ZINC—Genuine, French V.M., in casks, $7 to $7.25 ; Lehigh, in casks, $6.

PARIS WHITE—90c.

WHITING — 55c. per 100 lb.; Gilders' whiting, 85c.

GUM SHELLAC—In cases, 24c.

PLASTER PARIS — Ordinary, $1.75 per barrel ; New Brunswick, $2 to $2.20 per barrel.

PUMICE STONE—Powdered, $2.50 per cwt. in barrels, and 4 to 5c. per lb. in less quantity ; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, $1 per gallon; No. 1 quality, 90c. per gallon.

SEAL OIL—59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9c. per lb. and 10c. for single tins.

LINSEED OIL — Outside western points (freight [illegible]

[illegible]

double diamond under 25 united inches, $6, Toronto Hamilton and London ; terms 4 months or 3 per cent. 30 days.

OLD MATERIAL.

There is a good demand. Deliveries are large. Prices are steady. We quote as follows : Agricultural scrap, 55c. per cwt. ; machinery cast, 60c. per cwt. ; stove cast scrap, 45c.; No 1 wrought scrap, 55c. per 100 lb.; new light scrap copper, 12½c. per lb.; bottoms, 11c. ; heavy copper, 15c.; light scrap brass, 7½c.; heavy yellow scrap brass, 10c.; heavy red scrap brass, 11c.; scrap lead, 2½c.; zinc, 3c ; scrap rubber, 4c.; good country mixed rags, 65 to 75c.; clean dry bones, 45 to 50c per 100 lb.

76,800 Daily Production
5 Factories
5 Brands

For Sale all over the world.

NICHOLSON FILES

16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of America.

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BRITISH PLATE GLASS COMPANY, Limited. Established 1773.

Manufacturers of **Polished, Silvered, Bevelled Chequered, and Rough Plate Glass.** Also of a durable, highly-polished material called **"MARBLETTE,"** suitable for Advertising Tablets, Signs, Facias, Direction Plates, Clock Faces, Mural Tablets, Tombstones, etc. This is supplied plain, embossed, or with incised gilt letters. **Benders, Embossers, Brilliant Cutters, etc., etc.** Estimates and Designs on application.

Works : Ravenhead, St. Helens, Lancashire. Agencies : 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow 12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address : "Glass, St. Helens." Telephone No. 68 St Helens.

COAL.

The July prices are to be continued for August deliveries. A good demand is noted. We quote : Anthracite for July delivery at Buffalo and bridges : Egg, stove and nut, $4.50 per gross ton, or $4.01 per net ton ; grate, $4.25 per gross ton or $3.79 per net ton.

PETROLEUM.

A steady improvement in the demand is noted. Prices are steady. We quote in barrels, Toronto, as follows : Canadian, 14c. ; Sarnia prime white, 14c. ; Sarnia water white, 15c. ; photogene, 15½c. ; American water white, 16½c. ; Pratt's astral, 18c.

MARKET NOTES.

Turpentine is 3c. per gal. higher.

Pig tin is 1c. per lb. higher at 37c.

Solder is 1c. per lb. dearer than a week ago.

The Sherwin-Williams paints are up 10c. per gallon.

Some brands of tinplates have been advanced another 25c. per box.

H. S. Howland, Sons & Co. are in receipt of shipments of Butler's and Elliot's cutlery.

Round head bright screws are 14 per cent. dearer, the discount having been reduced to 80 and 5 per cent.

DEFENDING WORD "SHEFFIELD."

The fund which has been started in Sheffield to provide means for preventing the name of the town being piratically used by unscrupulous manufacturers does not seem to be making that headway which one would have liked to see. About £2,000 has been collected so far, but this has been subscribed by a comparatively limited number of firms. Some to whom the appeal has been directed ask why so large a sum as £5,000 is wanted, seeing that it is improbable that such an expenditure will ever be incurred. Others object to having to pay up whether the money is required or not. Would it not have answered every reasonable purpose to have invited subscriptions to a guarantee fund, and simply to have called on the guarantors to meet the costs of legal proceedings as they arose? I think that a more general response would have resulted if such a course had been adopted, or if the master cutler had issued an appeal to the trade at large.—Ironmonger.

MR. H. S. HOWLAND'S 75TH BIRTHDAY.

Mr. H. S. Howland, of H. S. Howland, Sons & Co., and president of the Imperial Bank, was 75 years of age on Wednesday last, August 2.

Mr. Howland was born in New York State, and came to Canada when 14 years of age, his brothers, William and Peleg, having preceded him. This was in 1837. When about 20 years of age, he began business for himself at Kleinburg, Ont., as flour and sawmill owner. The flour mill is still owned and operated by him.

He removed to Toronto with his family in 1864, and started the hardware firm of which he is now the head 22 years ago, having purchased the bankrupt stock of McGiverin, Kerrigan & Co. The active management of the business devolves upon his son, Mr. Peleg Howland.

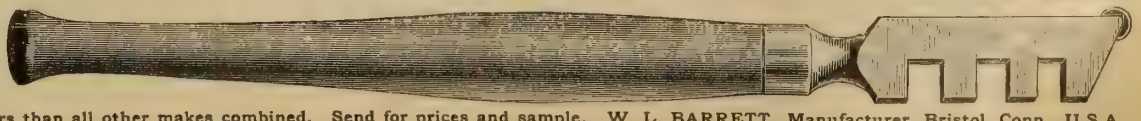
Mr. Howland is a well-preserved man for his years, and the wish of his friends, that he may have "many happy returns of the day," has every likelihood of being gratified.

AGENTS FOR "RUBBEROID."

Lockerby & McComb have been appointed Canadian agents for "Rubberoid" roofing, a new line of ready roofing which is being used extensively in the United States, and has been used by the C. P. R. and G. T. R. "Rubberoid" is a very pliable paper that is not affected by either heat or cold, and is very suitable for our climate.

Barrett's Glass Cutters Standard

Barrett's Practical Glass Cutters are the standard the world over.



Sold by more Hardware Dealers than all other makes combined. Send for prices and sample. W. L. BARRETT, Manufacturer, Bristol, Conn., U.S.A.

ADVICE BY THE OLD MAN.

BARTHOLOMEW, said the Old Man, I have not been in business all these years with my eyes shut. I have learned a good deal, and I want you to bring lustre to the family name by showing the ability to add to your father's wealth.

A Pointer.—Now, Bartholomew, when you telephone to ask Rubenstein the price of saw rods, and he replies, don't say, "is that net?" Your very question will imply an answer in the affirmative. He will "catch on" at once and promptly answer, "yes." He will know instantly it is a fresh hand at buying, because no matter how low a price you get you should not give yourself away by your voice indicating you were well pleased. On the other hand, you must manifest surprise and ask him if he means 10 off.

Full Stock of Staples.—Then, Bartholomew, always keep well supplied with staples; don't allow yourself to be out of them. Some slow sellers you can afford to be out of, as you may not have a call once in six months, but tenpenny nails will be asked for two or three times in a day, and be sure you are always able to supply them.

Favorable Impressions.—It gives people the impression that you keep a large stock and they can always get what they want at your store.

About Competitors. — Another thing to remember is not to leave unopened packages of goods on the sidewalk in front of the door or in a conspicuous place in the shop where your competitor or his clerk will see what new goods you are getting in and from whom you buy them. You may think this a small matter, but it does no good to give points like these away to the public.

Star Chamber Secrets.—Draw the lines tight and keep your mouth closed regarding your business. Regard all your affairs as sacred secrets. Do not let your right hand know what your left hand does.

Keep Your Own Counsel.—If times are good and you are making money, keep the matter to yourself, and do not be so vain as to boast of your good luck. If times are bad and you meet with losses, it does no good to proclaim the fact broadcast. People will begin to think you are not very shrewd if you make mistakes and incur loss.

Cultivate Politeness.—And, Bartholomew, never forget that politeness is one of the most valuable acquisitions to your tools of business. Without it you court failure, but by its constant use you invite success. The most unlettered and coarse people are attracted by it. You will have many occasions when your temper will be sorely tried, but never allow your feelings to deter you from being polite. By so doing you will save dollars.—Iron Age.

IRON SITUATION IN THE UNITED STATES.

Iron Trade Review, August 3: "What appeared one week ago to be a lull in the buying movement was followed quickly by a renewal of activity, and plainer indications that the climax is still in the distance. * * * The inquiry of the past week, both for pig iron and finished forms, shows that many consumers will need material considerably in excess of calculations, and that the probabilities of shortages in the next five months are increasing rather than decreasing. Already, the difficulty of getting material is the prominent feature of the situation. Shipments of foundry and Bessemer irons are short of current requirements, and temporary shut-downs are inevitable in the case of a number of foundries, while steel works operations in the Central West have been interrupted because of short supply of iron. Another development of prime importance, emphasized in the past week, is the increased buying for delivery next year. Large concerns are covering at current prices for the early months of 1900. The shortages on Lake Superior ore shipments by water may be made up in part by all-rail shipments next winter, but this will be at a much higher freight rate, which will mean further advances in prices of pig iron. * * * The scarcity of steel promises to be more pronounced in the next four months."

A SIGNIFICANT FACT.

It is a significant fact the Alabama, with all the pressure upon her furnaces to deliver iron at home and to ship it abroad, actually produced 3,800 tons less in the first half of this year than in the second half of 1898, and only 6,000 tons more than in the first half of 1898. It is very plain that Southern furnaces are oversold for 1898 delivery, and that the additional capacity to be blown in in that section in the next three months will not be sufficient to make good the deficiency. —Iron Trade Review, July 27.

STEEL $1 PER TON HIGHER.

The market has been rather quiet in steel billets, and sales are confined almost entirely, in Bessemer, to material resold by consumers and middlemen. There are very few sellers. We advance quotations by $1 a ton this week, to $34.50 to $35 at mill. Slabs are a shade higher than billets. and sales have been made at $35, and even $36 is reported to have been paid. Some odd lots of wire rods have been sold to chain makers and others at $38. There is the greatest scarcity in the steel market, and some good sized lots could readily be sold for almost any delivery this year, could delivery be guaranteed, at full prices. Operations at steel works have been much hampered during the past week from an insufficiency of iron.—Iron Trade Review, Aug 3.

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FOR YOUNG CANADIANS.

Don't wait until the iron's hot,
But make it hot by muscle.
Don't wait for the wealth your father's got,
Take off your coat and hustle.

What a year 1900 is to be! What a time for the young Canadian hustler—the rapid stenographer, the expert bookkeeper and the nimble telegrapher! They will all be wanted just as surely as that bright year is coming around. A start now will put you with the successful ones, and we can start you aright. Will you send us your name and let us tell you how? It is no trouble to us, and will benefit you.

W. H. SHAW, Prin.

CENTRAL BUSINESS COLLEGE, Toronto, Ont.

PIPE COUPLING.

AS ordinarily constructed, when the waste pipe of washstands, laundry tubs, urinals, etc., becomes clogged up, the only way to clean out the pipe is by cutting it, which necessitates the services of a plumber. The pipe-coupling patented by a Californian man, according to World's Progress, was specially designed to overcome this objection, which enables anyone to remove the trap, waste and vent pipes, so that they may be thoroughly cleaned. It is important from a sanitary standpoint that this be done sometimes, as it is frequently the case that diseases are contracted by negligence in this matter. This invention makes it possible for this to be conveniently done whenever necessary.

The patentable novelty of the improvement comprises a flange, a vertically extended screw threaded flange, a sliding collar with a shoulder, a second sliding collar comprising an abutment adapted to bear upon the shoulder, and an interiorly screw threaded rim whereby the joinder of the ends of the adjacent pipes is accomplished, the vertically extended flange being provided interiorally with a beveled bearing surface adapted to receive the flared edge of one of the pipes, and a gasket or packing between the the shoulder and the surface between the inner and the outer periphery of one of the pipes.

It is evident that this produces a coupling which will admit of an expeditious separation of the ends of the waste pipe when it passes through the wall or floor to facilitate cleansing, which, in the more common plumbing systems, requires the unsoldering of a joint or the breaking of a pipe in order to effectually remove the obstructing matter in case of stoppage by means of a force pump. This unsoldering and sawing of pipes is accomplished with much loss of time, and cannot be undertaken except by a skilled workman. It can also be applied to any form of pipe of equal dimensions in use, and will prove equally efficient in any connection.

HOW CANADIANS LOSE TRADE.

Some people wonder how it is that Canadians do not get more of the Boundary Country trade, especially when a corporation like the C. P. R. is transporting the goods.

Firms have shipped goods six and eight months ago, and they had not, up to a short time ago, arrived.

At Penticton, at the time I was there, no less than 18 carloads of goods, a warehouse full, were waiting to be forwarded.

Merchants in that country who had bought goods from Canadian dealers were forced to buy from American, who could or would give them a better delivery, while the goods they had already ordered were waylaid.

This not only means a loss to the Canadian dealer at present, but there will be a future loss as well, and the American is getting a start which he is likely to retain.

A firm in Vernon told me that they were losing about $1,000 worth of business a week by not being able to get their goods delivered. M.

PRACTICAL BUILDERS everywhere use our

METALLIC CORNICES



CORNICE No. 1187.

BECAUSE

They are convenient to handle and easy to apply.
They are Fireproof and Durable.
They give an exceedingly handsome effect, and cost very little, and are equally useful for new buildings, or improving old ones.
We make any size, shape or pattern desired by the trade.
Look them up in our catalogue.

THE METALLIC ROOFING CO., Limited

1179 King St. West, TORONTO.

TRADE WITH ATLIN AND BENNETT.

Perhaps it is only a coincidence, but business men do not call it so, that the shipments of merchandise to Skagway for Bennett and Atlin have largely increased in the past few days. The recent satisfactory returns from that much maligned district and the certainty of continued returns have had a decided effect in warming up interest, and, as a result, enterprise is at once being displayed in getting things under way for greatly extended business and mining operations in the Atlin country. To-day large shipments of provisions, groceries and general merchandise were shipped by leading local wholesale houses for the British America Corporation, Parsons Produce Company, McLennan, McFeely & Co., Thos. Dunn & Co., Limited, and others, who have established business there. From now on, shipments will be made much more freely than for some months past. Vancouver merchants are anticipating a good trade from the new northern district, and the prospect is giving an encouraging impetus to trade generally. There are some propositions for hydraulic machinery that will also develop a little later and cause heavy shipments to Atlin. —The Province, Vancouver.

CANADIAN PRODUCTS WANTED.

The following inquiries were received at the Canadian Government offices, London, during the week ending July 14:

A north of England firm desire to find a market in Canada for English and Scotch wools.

A firm in the Midlands are wanting to import, direct from Canada, cattle hides and other animal products, and wish to get into communication with suitable firms with a view to business.

An inquiry has been received from an important firm in the preserved provision line, who desire to appoint reliable houses to represent them in the Dominion.

An agent at Gothenburg, who is prepared to handle Canadian produce, especially flour and bacon—and who can work the whole of Sweden, desires to correspond with houses open to do business.

A gentleman in the north of England asks for the names of high-class firms who put up Canadian evaporated fruits.

Information in regard to any of the above sent to HARDWARE AND METAL Toronto, will be forwarded to the persons seeking the information.

MR. EDDY, OF HULL.

E. B. Eddy, the well-known paper manufacturer of Hull, Que., and Mrs. Eddy, are on their way to the Coast. Eddy is a character. He is a shrewd business man and possesses a strong sense of humor which crops out in the most unexpected places. Once when he was in Italy his works caught fire and the manager cabled him: "Factory on fire. Impossible to save it. What shall we do?" Eddy cabled back: "Let it burn."—The Province, Vancouver.

TRADE IN OTHER COUNTRIES THAN OUR OWN.

THE visible supply of copper in Europe, July 31, was 33,020 tons, against 28,500 tons on the 15th. The July deliveries were 16,300 tons.

The shipment of pig tin last month from England to the United States amounted to 1,265 tons, including 1,000 tons from London and 265 tons from Holland.

LINSEED OIL IN ENGLAND.

There has been a steadily-improving market for this article during the past six weeks, and prices have now reached a fair level. A rise from the lowest point touched (nearly two years ago), which was 12s. 6d. per cwt., has been in regular progress, but we are now at a point where the market may be expected to stay, unless something unexpected should happen. The upward movement lately has been very steady, prices increasing by 3d.'s from 17s. 6d. to 21s. Whether the expected formation of the trust known as The British Oil and Cake Mills, Limited, has had anything to do with the improvement, it would be difficult to say; we are rather disposed to attribute it to generally-improved conditions of trade. The trust, however, is now established, and includes some of our largest mills, with an aggregate capital of £2,500,000 sterling. The effect of the combination should be in the direction of steadying the market for the future, and preventing any disastrously low prices such as those witnessed in 1897; but at the present time there are too many crushing firms left outside, and should a struggle take place between them and the combine—as our American friends call it—we may yet see a drop. Taking all the circumstances into consideration, however, we do not think that it is unsafe to hold ordinary stocks of linseed oil for fair-trading purposes. The market is certainly not in a dangerous condition, and although we do not anticipate any great rise, we think that the risk of a serious fall is even slighter. —Ironmonger, July 22.

TINPLATES IN ENGLAND.

The market has been steady during the past week. Both tin and tinplate bars have advanced higher, and prices of the manufactured article look like being maintained for some time to come. The trade prospects are very bright, and orders are coming along from all quarters at the advanced prices. There is very good demand from the continent, and sales are reported at 15s. 6d. to 16s. basis I.C. 14x20, 112 sheets, 108 lb., according to specification for Bessemer cokes of good ordinary brands, some choice brands bringing 1½d. to 3d. over these prices. The Californian demand is not very large just at present, and for the special brands required for this market 15s. 3d. to 15s. 6d. has been paid. The oil-size trade is also rather quiet at present, buyers evidently having filled their immediate requirements, and preferring to hold their hands for the moment. There is a good inquiry for black plate in all its stages of manufacture, and a fair demand for ternes, but Canadas are not much asked for just now. —Ironmonger, July 22.

A NEW METAL.

A new metal, denominated "copper-steel," has been brought out in Paris. It is described as possessing a very high resistance, and can be forged like iron. It is manufactured by a process during which zinc or its alloys is employed for retaining a certain proportion of iron, nickel, or chromium in the form of oxide, and reducing and incorporating it in a state of fine division in the presence of furnace gases. A number of new alloys, it is stated, are thus obtained, and among them the metal referred to under the title designated.

GALVANIZED IRON IN ENGLAND.

The makers of galvanized sheet iron, who met at Birmingham recently, reported a very lively state of business. The Australian trade is more active now than it has been for years, and the East Indian and South American markets are again at their best. Buyers for the home trade are taking large quantities of sheets; the base price at Liverpool is now called £13.—Iron and Steel Trades Journal.

WARRANT STOCKS OF PIG IRON.

Following is the statement of the American Pig Iron Storage Warrant Co.:

	Tons.
Stock in yard July 20, 1899	45,900
Put in yard for 11 days ending July 31	None
Total	45,900
Withdrawn 11 days ending July 31, 1899	3,400
Net stock in yard July 31, 1899	42,500
Stock in yard July 31, 1898	244,400
Stock in yard July 31, 1897	232,500
Stock in yard July 31, 1896	125,600

NEW YORK METAL MARKETS.

COPPER — New business is at present rather slow. Producers are making no special effort, since their stock and current output is well under the control of orders, and, being well covered for the present near future, consumers and exporters are buying moderately. Here and there, moderate quantities of the cheaper variety of the metal came out from second hands, and, coupled with tame, not to say rather bearish, London advices, impart somewhat flat surface appearance here. Lake Superior ingot, however, is firm at 18½c., while 17⅝ to 17¾c. cover the extremes on electrolytic bars, etc., and 17⅜ to 17½c. those on casting stock.

PIG TIN—The arrival of a steamer with 650 tons has relieved the scarcity of spot stock in some degree. In connection with advices of a decline of about £1 17s. 6d. in London, this served to weaken values somewhat, but there was no evidence of unusual anxiety to sell in any quarter. Naturally consumers restricted their purchases as much as possible, instead of buying more freely on the decline, apparently with a view to bringing the weight of inaction upon the market. Values were very uncertain and difficult to quote with ordinary "official" inaccuracy, not to say fairly. Some spot stocks could have been secured at 32⅜c., although holders asked 32½c. as a rule, and lots ex ship in port, available about a week or 10 days hence, were within reach at 32c., or a shade less.

PIG LEAD—As far as reported, dealings were unimportant, individually and in total amount. The demand in this quarter was moderate also, but sufficient to make it clear that spot stocks are very moderate. Holders of the latter are firm at 4 60c. upward as a rule, but round lots for future shipment from the West may yet be secured at 4.55c. delivered here.

SPELTER—Ordinary carload business is about all that is being effected here, and advices from the West indicate rather slow trade there also. Values remain almost stationary, however, at about 6c. for spot stock, and 5.70 to 5.75 for future shipment, delivered here.

ANTIMONY—Regulus remains steady at 10 to 11c., but is selling rather slowly.

NICKEL—Sellers are quoting 32 to 36c. for ton lots, and 36 to 38c. for smaller quantities.

TINPLATE — Ordinary summer season store trade is about all that is reported here at present and the demand is represented as being tame. Prices remain very firm, however, since there is no anxiety for orders nor any decided cheapening of cost of materials.

IRON AND STEEL — A good business is being done in pig iron for delivery during the early part of next year, chiefly at about $19 at Pennsylvania and $15 at Alabama furnaces for No. 2 foundry. Considerably more could be effected were the price named trimmed somewhat, but furnace men stand out confidently and decline to make any concessions.

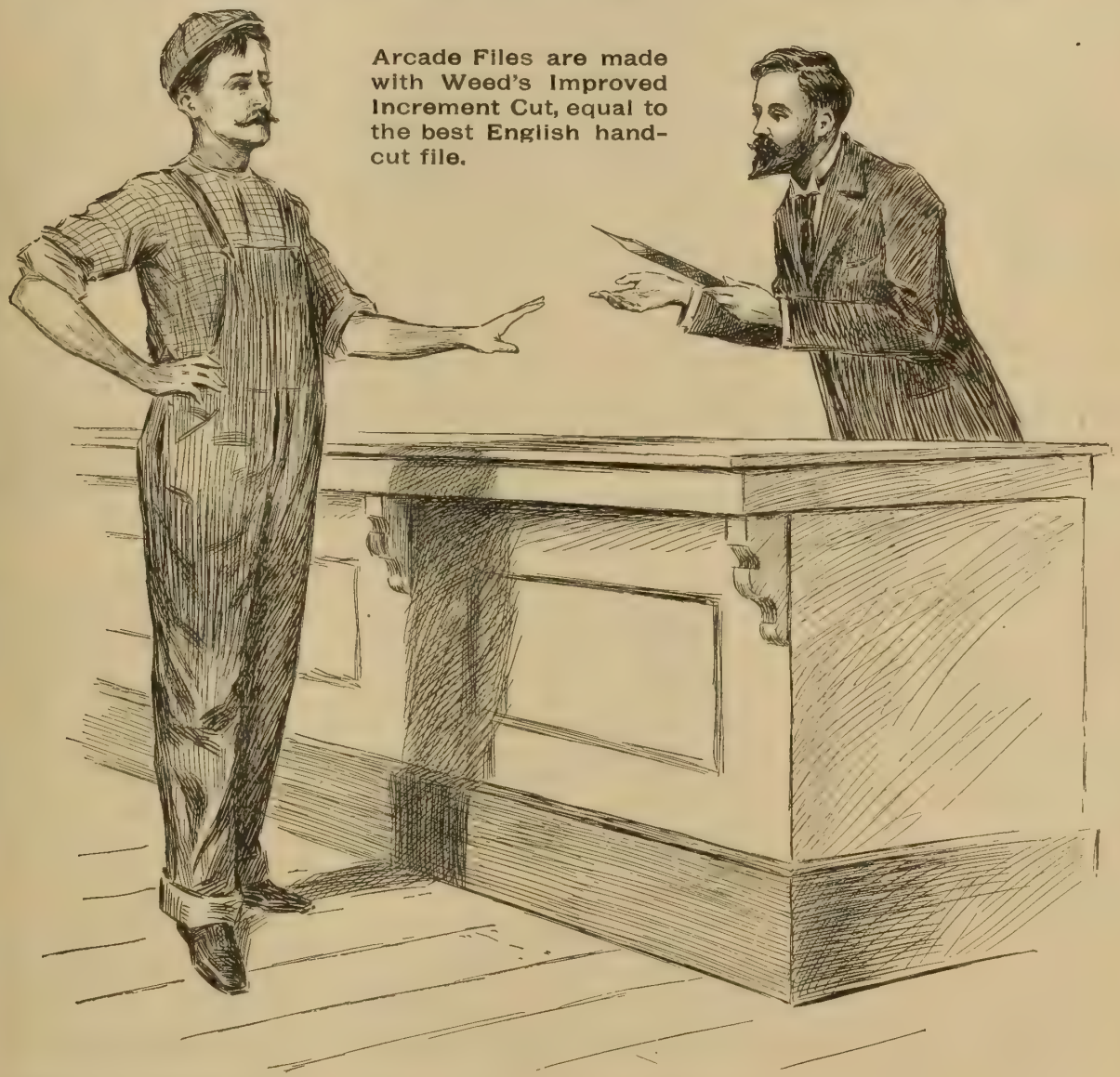
The demand for old material continues good, with stiff prices bid, but business here is hampered by the smallness of stocks in this vicinity.—N.Y. Journal of Commerce, Aug. 4.

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There is no other file "just as good."

THE ARCADE IS THE BEST



Arcade Files are made with Weed's Improved Increment Cut, equal to the best English hand-cut file.

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Vice-President and Gen'l Mgr.

HEATING AND PLUMBING

PLUMBING AND HEATING NOTES.

THERE is a great rush with brassfounders at present. All the foundries are working to their fullest capacity, and some of them positively refuse to accept new orders without, at least, several weeks' notice.

P. Leclerc & Fils, plumbers, Montreal, have dissolved.

A. C. Young has opened out as plumber in Dartmouth, N.S.

The Europe hotel, Vancouver, is to be considerably enlarged and improved.

A statement of the affairs of F. Duclos, plumber, Montreal, is being prepared.

J. W. Harris and family have gone for a two weeks' holiday, to St. Anne De Beaupre.

Wm. Blight, of Chatham, Ont., has the contract for remodeling and repairing the Ridgetown, Ont., Presbyterian church.

J. M. Robertson, manager for The Thos. Robertson Co., Limited, is spending a few weeks with his family at Long Island, Portland, Maine.

The Fairbanks Co., Montreal, have issued their 1899 valve catalogue. It is a book of 250 pages replete with illustrations. Anyone wishing it can get it by writing to the Montreal branch.

The Fairbanks Co. are now placing on the market, for the first time, a unique construction of gate valve, with removable bronze seat rings. This construction will stand the highest pressure and at the same time permits of packing the gland under pressure.

The building activity in Vancouver continues to increase rather than diminish, and contracts for new brick blocks and residences and sales of important city lots are weekly recorded. Many works of local improvement are also in hand; paved streets are being laid ; the waterworks system is being improved, and nearly $150,000 is being spent in extending and modernizing the electric street car service in and around Vancouver.

BUILDING ACTIVITY LESSENED.

The activity in taking out permits for buildings in Toronto, which was noted in March, April and May, was not continued during June and July. The contrary was the case, the value of permits issued in the latter months being $62,635 in June and $99,715 in July, as compared with $165,820 in June and $123,150 in July last year. This brings the total value of permits issued in the seven months of this year below the value of those issued last year, the figures being $989,815 this year and $1,028,735 last year.

NO PLUMBING SUPPLY TRUST.

The American Plumbing Supply & Lead Co., better known as The Plumbing Supply Trust, has been abandoned. Notices have been sent to subscribers to the securities of the company that they are released from their subscriptions. At the moment it is understood that there is no intention of reviving the scheme, although it is possible that another attempt may be made in the fall if conditions offer any encouragement.

The American Plumbing Supply & Lead Co., it will be recalled, was incorporated on April 24, with a capital of $35,000,000, of which $10,000,000 was to be in preferred stock and $25,000,000 in common stock. The promoters at one time had options on about 40 plants. Recently the soil pipe plants of several of these concerns have been consolidated as The Central Foundry Co., the particulars of the organization of which have been given in detail in these columns.

WASHOUT CLOSETS DEARER.

The Potters' Manufacturing Association, St. Johns, Que., have sent out circulars announcing advances in the price of most of their earthenware. Washout closets have advanced 50c., the plain now selling in crate lots at $4.40 in Montreal, $4.50 in Ottawa, Toronto, Hamilton and Quebec, $4.55 in London, and $4.60 in St. John, N.B., and Halifax.

Basins are now quoted at 60c. in St. Johns, Que., 62c. Montreal, or 65c. in other towns for the 14-in. round variety. The oval, 17 x 14 in., is $1.50 at St. Johns, $1.52 at Montreal and $1.55 at other towns.

MANUFACTURERS OF HOT-WATER BOILERS MEET.

The Canadian manufacturers of hot-water boilers held a meeting in Montreal last week, at which matters of importance to the trade were discussed. The following firms were represented : Gurney-Massey Co., Warden, King & Son, Star Iron Works, H. R. Ives and Co., Gurney-Tilden Co., Limited. All the members were satisfied with the present business outlook, and decided not to make any advance in prices for the present..

PLUMBING AND HEATING CONTRACTS.

E. C. Mount & Co., Montreal, have the contract for roofing six houses in Westmount.

Lessard & Harris, Montreal, are putting in Pedlar's metallic roofing and side walls in the following buildings : St. Mary's College, Theatre Francais, Atlantic Gardens.

A. Joss, Sarnia, has the contract for plumbing a residence for Albert Johnston, at Christina and Johnston streets, Sarnia, and for a residence for Mr. Le Sueur, at Vidal and Charlotte streets, Sarnia.

Carrol Bros., Montreal, have the contract for plumbing and heating S. S. Bains' new house at Verdun ; also for heating a house on Luke street, for Mr. Saxe, the architect.

Blouin, Delfosse & Latourelle, Montreal, have the following new contracts: For heating a house for Chas. Garth, 60 St. Denis street ; for heating a greenhouse for the Brothers of Charity, Demontigny street ; for plumbing three houses on City Hill, and for roofing and heating a dwelling for the Good Shepherd, St. Martin.

TORONTO BUILDING PERMITS.

Building permits have been issued in Toronto to F. B. Poucher, for two semi-detached brick residences on the west side of Parliament street, near Duke street ; to Noah L. Piper & Son, for alterations and addition to their four-storey warehouse on the north-west corner of Windsor and Front streets, to cost $1,800 ; to C. E. Coatsworth, for a two-storey attic and basement store and dwelling at 231½ Wilton avenue, near Parliament street, to cost $1,600 ; to David Elliott, for a two-storey brick addition to Nos. 74, 76 and 78 Nelson street, to cost $3,000 ; to J. Sutherland, for a two-storey brick residence on Sumach street, near Sydenham street, to cost $1,000 ; to Daniel Whetstone, for a two-storey brick store and dwelling at 397 Brock avenue, to cost $2,500, and to J. O. Patterson, for a pair of three-storey and attic stores and two dwellings, on St. Patrick street.

CONTRACTS CALLED FOR.

Tenders are asked for plumbing, roofing, heating and lighting a house for P. Beaubien, at Outremont.

Tenders are being called for the plumbing of 24 houses for A. Valiers, the grocer, Montreal.

SEND for specimen copy of Phillips' Monthly Machinery Register, containing over 5,000 entries of new and second-hand machinery of every description. The oldest established and most successful medium in the world. Established 25 years for the purpose of introducing those who have machinery for sale, to those who wish to buy, has a circulation of about 50,000 copies per annum, all over the world, and is used for continual reference by a large number of firms. It is consequently a most valuable advertising medium for all engineers and manufacturers Subscription. 6s. per annum, price per copy, 6d. Sole Proprietor, CHAS. D. PHILLIPS, M.I M.E., Newport, Mon., England. Telegraphic address: "Machinery, Newport, Mon."

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Plumbers' and Tinsmiths' Solder

of highest quality. Highest market prices paid for old Brass and Copper.

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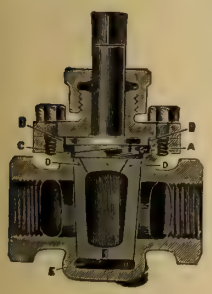


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Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon



A perfect

Blow-off Cock

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Homestead Patent

Has Balanced Plug.
Always Works Easy.
Does Not Leak.

THE James Morrison Brass Mfg Co. LIMITED TORONTO.



THE

Copp Heater

PATENTED

This heater has been an extraordinary success. In Winnipeg we know of an instance where it heated a store containing 21,168 cubic feet, and was the only stove used.

This year we have added several impovements, also **a smaller size,** burning 27-inch wood.

Every dealer ought to keep the Copp Heater before his customers. There's fame and money in it for you.

Made only by

THE COPP BROTHERS CO., Limited

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The only Exclusive Manufacturers of Soil Pipe and Soil Pipe Fittings in Canada. . . . . .

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Ride Good Tires



Samson
New York
C. R. Co.
} Tires are Good Tires.

Write for Catalogue and Prices.

NEW YORK TIRE CO. - - Toronto, Ont.

"HOGGISHNESS" IS CATCHING.

The following is an extract from an address before the recent convention of the Michigan Hardware Dealers' Association;

"If one hardwareman in a town is a hog, it will require a good deal of moral courage in the others not to become inoculated with his complaint. The department store is simply an aggravated case of hog, and so more or less, is the dry goods store that sells silverware, and the jewelry store that sells stationery, the bookstore that sells bicycles, etc., and you will notice these days that the hardware store is in great danger of being inoculated with their complaint. Speaking at this time of year 'when the sweet potato whistles to its mate in the mountain pass,' as Horace Greeley used to say, I say that hurry is the bane of our life, for worry always goes with it. You know what locomotor ataxia is, and I want to say that locomotor attacks us when we live under too high pressure, and the hurrier is its first victim. What are you going to do about it? You read in the paper that Americans are living too fast and do not want to take rest enough. That sounds very true to you, and you make up your mind, especially at this time of the year when the grasshopper is a burden, that you will run off half an hour or so earlier to supper and stay half an hour longer at noon, and after a while some customer will come in and say: 'Well, it seems to me you don't give much time to your business nowadays. I've been in here a dozen times to see you, and you were always out.'

"It is a conspiracy to keep you everlastingly at it, as the newspapermen say about advertising, but don't you mind—at least, not at this time of the year, when 'down in the meadows the violets are blooming,' and there are angle worms to be dug—keep it up, get away from the artificial, enjoy the natural."

ELECTRICITY FOR BOUNDARY.

Great things are expected from the motor power, which is being conserved at the Cascade Falls on the Kettle river below Grand Forks, according to a British Columbia paper. The work on the dam, to develop 5,000 horse-power is in progress. The dam as projected will be three feet high and 400 feet long, the work is about half done and it will take six months more to finish it. The intention is to develop and transmit electrical power for all the mines in the Boundary country. The flume is to be one-quarter of a mile long, 600 feet of which will be in the nature of a tunnel through solid rock. The power house will be a solid structure of stone and brick at the foot of the falls. The poles for the electric current are already erected to Wellington camp.

We Want Your Axe Order FOR FALL SHIPMENT.

Kindly hold it till our representatives call on you.

James Warnock & Co., - Galt, Ont.

COW TIES

Greening's Patent

We make the following:

Open Ring, six sizes.
Small Closed Ring, six sizes.
Large Closed Ring, six sizes.
Three Chain, six sizes.
Greening's Special Tie with Stall Fixtures, five sizes.

Our ties have stood the test for years and are undoubtedly the best in the market. Send for new price list. For sale by all jobbers.

The B. GREENING WIRE CO., Limited

HAMILTON and MONTREAL.



Geo. D. Wood & Co.

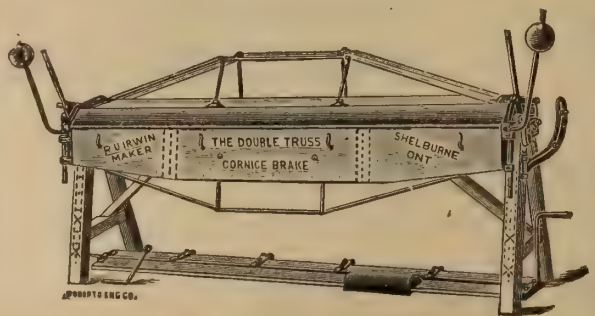
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Importers of and Dealers in

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Letter orders receive **special** attention.



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Price, $50

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Send for circulars and testimonials to

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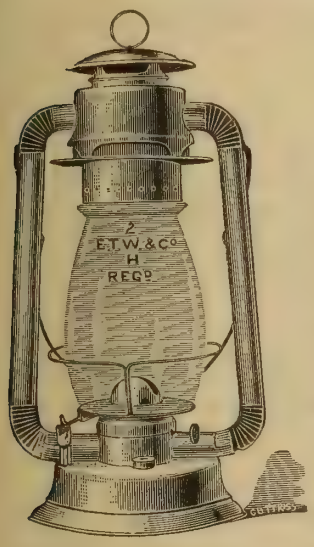
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Mfrs. of

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IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.

HESPELER, ONT.

Not in the Combination

Write for prices on

MRS. POTTS SAD IRON HANDLES.

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BUSINESS NEWS

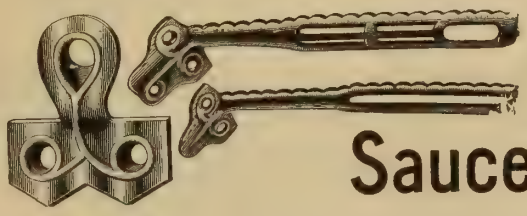
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Made by an entirely new process.
Cheaper and better than old style.
Your stock not complete without them.

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EVERY ORIGINAL TIN HAS THIS IMPRESSION NOBLES & HOARE LONDON ENGLAND ON A WHITE CAPSULE

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CORNWALL ROAD STAMFORD STREET.

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HIGH-CLASS VARNISHES ONLY

Which can be obtained direct from the works or from the principal Color Dealers in Canada.

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1078 BLOOR STREET WEST, TORONTO.

Having equipped our Factory with entirely new machinery, we are prepared to furnish the best made goods in the market at closest prices and make prompt shipments.

Hand Laid Cotton Rope and Clothes Lines,
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Cotton and Linen Fish Lines, laid and braided.
Netted Hammocks, white and colored, Tennis and Fly Nets.
Skipping Ropes, Jute, Hemp and Flax Twines.

MUSHROOM BRUSHMAKERS.

It would be interesting to learn what has become of the number of **Mushroom Brushmakers** who have of late years come and gone like the "Ships that pass in the night." They make their appearance, flooding the market with a lot of **inferior goods, demoralizing trade,** and then disappear —usually sadder but wiser for their experience. Notwithstanding this they still spring up like the proverbial mushroom and with sublime assurance call themselves Brush Manufacturers.

Real Brushmaking requires a **technical knowledge** gained only by **years of experience,** and a safe rule to follow is to **buy your Brushes** from **old-established manufacturers** who are in the business to **stay.**

An idea of what real Brushmaking means may be gained from our catalogue of goods showing the large variety of qualities and sizes required to meet the demands of the public. Every dealer of experience knows that he must have a large assortment of brushes for his customers to choose from, as what will suit one will not suit another.

Our works have been established in Toronto for **over 43 years,** we have a **personal knowledge** of every detail of manufacturing Brushes, **our employees** are **thoroughly experienced** in their various departments, we have **ample capital for the requirements of our business,** and through **long years** of **practical buying** in the **world's best markets** we are in a position to secure the **highest possible value** in our **raw materials.**

We therefore **caution the trade** not to be **misled** by high-sounding claims of **Mushroom Brushmakers** and **accumulate a lot of stock** which is **not suited** to the **demands of the trade** and which they may have to dispose of at a loss later on.

Every Brush we turn out **we guarantee** to be **exactly as represented** and our name and brand is a **guarantee to all dealers** handling them.

Boeckh Bros. & Company

Manufacturers

Offices and Warerooms : 80 York St. and 12 Clarence St.
Factories : 158 to 168 Adelaide St. West.
Montreal Branch : 1 and 3 De Bresoles St.
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TORONTO, ONT.

Our goods are sold by all reliable dealers throughout the Dominion.

Letter Orders The Canada Paint Company Limited

SPECIAL TO THE TRADE.

Owing to the Summer Holidays

our **Travelling Representatives** may not be able to look in upon you with their accustomed regularity. **Orders** by **mail, wire or telephone** will receive careful attention, or, better still, take



"A DAY OFF" and bring them with you.

The Canada Paint Co., Limited

Manufacturers of Varnishes and Colors

MONTREAL and TORONTO.

A NEW STEEL WIRE ENTERPRISE.

Reports from Worcester, Mass., state that a new steel wire company is being organized, which will be operated independently of the trust. Herbert Smith, who left the plant of the American company to take charge of a large wire company in Birmingham, England, and Frank F. Bullard, who has charge of The Morgan Company plant at Barber's Crossing, are said to be in the scheme. Both were experts in the old Washburn & Moen plant. Charles H. Morgan, head of The Morgan Company, is also reported to be interested.

The new enterprise is said to have resulted partly from the fact that the American Steel and Wire Company transferred its funds in Worcester to New York and Chicago.

WORLD'S MEET NEWS.

All delegates attending the World's Meet to be held in Montreal next week, from August 7 to 12, will have an opportunity of procuring a Victor acetylene bicycle lamp from any of the bicycle dealers at the present price of $2 each. This is for one week only. The by-laws of several cities prohibit bicyclists to ride on the streets after dark without a lamp, consequently, the manufacturers of the Victor intend that delegates to the Meet shall have a good acetylene gas lamp at a low price. They are prepared to supply 1,000 lamps from their Montreal stock.

UNITED STATES PATENTS.

From the recent report of the United States Commissioner of Patents, it appears there were received in the last fiscal year 35,352 applications for mechanical patents, 2,292 applications for designs, 91 applications for reissue, 1,610 caveats, 1,861 applications for trade marks, 612 applications for labels, and 112 applications for prints. There were 23,550 patents granted, including reissues and designs; 1,406 trade marks, 372 labels, and 76 prints were registered. The number of patents that expired was 16,670. The number of allowed applications which were, by operation of law, forfeited for nonpayment of the final fees was 4,021. The total receipts of the office were $1,209,554.88, the total expenditures were $1,148,663.48, and the surplus of receipts over expenditures, being the amount turned into the treasury, was $60,891.40.

On June 27, 1899, every examiner had his new work within one month of date of filing, and his amended work within 15 days of date. This is the first time since December, 1898, when the present form of weekly reports were adopted, that such a report has or could have been made.

This information was received through Marion & Marion, patent solicitors, Montreal.

LACQUER FOR BRASS WIRE.

Gold lacquer for improving the natural color of brass wire is, according to Central Zeitung, prepared from 16 parts of gum lac, 4 parts of dragon's blood, and 1 part of curcuma powder, dissolved in 320 parts of spirits of wine in the warm, and well filtered. The goods must be thoroughly cleaned by burning, grinding, or turning either dull or burnished, and then coated with a thin layar of the above mixture, applied with a soft hair brush or a pad of wadding. In the case of colored articles, the lacquer must be laid on by stippling. Should the color be too dark, it may be lightened by reduction with a little spirit until the correct shade is obtained. The most suitable temperature for the metal during the operation is about the the heat of the hand ; if too hot or too cold, the lacquer may smear, and will then have to be washed off with spirit or hot potash lye, the article being dried in sawdust or recleaned as at first, before applying the lacquer again. Circular articles may be fixed in the lathe and the lacquer laid on with a wadding pad. To color brassware a solution of 30 parts caustic soda, 10 parts cupric carbonate, 200 parts water (or 200 parts ammonia neutralized by acetic acid), 100 parts verdigris, and 60 parts sal-ammoniac, is employed into which the warmed articles are dipped. After drying they are coated with colorless shellac varnish.

WADE & BUTCHER'S

"SPECIAL" Razors

Are unequalled for quality and finish.

JAMES HUTTON & CO., - MONTREAL

Sole Agents for Canada.

CURRENT MARKET QUOTATIONS.

August 4, 1899.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—	
56 and 28 lb. ingots, per lb.	0 37
Straits	0 37

Tinplates.

Charcoal Plates—Bright.

	Per box
M.L.S., equal to Bradley.	
I.C., usual sizes	$6 25
I.X., "	7 50
I.X.X., "	8 75
R. & Co.—	
I.C	
I.X	
I.X.X	
Famous—	
I.C.	
I.X.	
I.X.X	
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	5 75
I.X.X. "	6 50
I.X.X.X., "	7 25
D.C., 12½x17	4 50
D.X.	5 25
D.X.X.	7 25

NOTE.—Other brands might be shaded by 25c per box.

Coke Plates—Bright.

Bessemer Steel—	
I.C., usual sizes	4 35
I.C., special sizes, base	4 50
20x28	8 75

Charcoal Plates—Terne.

Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 00
I.X., Terne Tin	9 25

Charcoal Tin Boiler Plates.

	Per lb.
Cookley Grade—	
X X., 14x56, 50 sheet bxs / " 14x60 " / " 14x65, "	0 06½ 0 07

Tinned Sheets.

72x30 up to 24 gauge	0 07	0 07½
" 26 "	0 07½	0 08
" 28 "	0 08	0 08½

Iron and Steel.

	Base	Price
Common Bar, per 100 lbs		2 00
Refined " "		2 30
Horse Shoe	2 15	2 25
Hoop steel, 1½ to 3 in. base, extras for smaller sizes		2 75
Swedish " "	4 00	4 25
Sleigh Shoe Steel " base		2 60
Tire Steel		2 50
Machinery		2 65
Cast Steel, per lb	0 10	0 14
Toe Calk Steel		2 95
Toe Weight Steel		6 10
Thos. Firth & Sons' Cast Steel	0 12	0 14
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker.	2 00	2 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½-inch	0 11
2 "	0 12
3½ "	0 14
4 "	

Steel Boiler Plate.

¼ inch	3 25
3-16 inch	3 40
⅜ inch and thicker	3 25

Black Sheets.

18 gauge	2 75
20 "	2 75
22 to 24 "	2 85
26 "	2 95
28 "	3 10

Canada Plates.

All dull, 52 sheets	2 75
Half polished	2 85
All bright	3 20

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ⅜ inch, $3 35 ; ½ inch, ×3.40 ; ¾ inch, $4.00; 1 inch, $5.50; 1¼ inch, $7.35 ; 1½ inch, $9.25; 2 inch, $12.50. 2½ to 6 inch, discount 45 p.c.

Galvanized, ⅜ inch, ×6.00; ½ inch, $6.30 ; ¾ inch, $8.00 1 inch, $11.00 ; 1¼ inch, $15.25 ; 1½ inch, $19.00 ; 2 inch, $27.00.

Galvanized Iron.

	G C. Comet.	Amer.	Queen's Head
16 gauge			4 25
18 to 24 gauge	4 50		4 50
26 "	4 75		4 75
28 "	5 00		5 00

Less than case lots, 25c. per 100 lb. additional.

Chain.

Proof Coil, 3-16 in., per 100 lbs	
" ¼ " "	6 75
" 5-16 " "	4 75
" ⅜ " "	4 30
" 7-16 " "	4 15
" ½ " "	3 05
" ⅝ " "	3 85
" ¾ " "	3 75
Trace, per doz. pairs	3 60 5 90
Jack chain, iron, single, per doz. yards	0 13 0 50
Jack chain, double, per doz. yards	0 15
Jack chain, brass, single, per doz. yards	20 10

Copper.

Ingot.

English B. S., ton lots	0 20	0 21
Lake Superior		

Bolt or Bar.

Cut lengths, round, ½ to ⅞ in.	0 23½	0 25
" round and square 1 to 2 inches	0 23½	0 25

Sheet.

Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 23	0 23½
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 23	0 23½

NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.

Tinned copper sheets	0 26
Planished	0 32

Braziers. (In sheets.)

4x6 ft. 25 to 30 lbs. ea., per lb.	0 25½
" 35 to 45 " "	0 24½
" 50-lb. and above, "	0 23½

Boiler and T. K. Pitts.

Plain Tinned, per lb	0 28
Spun, per lb	0 32

Brass.

Roll and Sheet, 14 to 30 gauge, 5 per cent.		
Sheets, hard-rolled, 2x4	0 24	0 25
Tubing, base, per lb	0 24	0 25

Zinc Spelter

Foreign, per lb	0 07½	0 07¼
Domestic "		

Zinc Sheet.

5 cwt. casks	0 08¼
Part casks	0 08½

Lead.

Imported Pig, per lb	0 04½	0 04¾
Domestic, per lb		
Bar, 1 lb		05¼
Sheets, 2½ lbs. sq. ft., by roll.	0 05	05¼
Sheets, 3 to 6 lbs., per sq. ft., by roll	0 04¾	0 05

NOTE.—Cut sheets ½ cent per lb. extra

Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 20 per cent. discount

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths, lists at 7½ cents.

Shot.

Ordinary, 6c. per lb ; chilled, 6½c. per lb. Discount 10 per cent.

Soil Pipe.

Discount, 50 and 10 per cent.

Solder.

	Per lb.	Per lb.
Bar half-and-half	0 22	0 23
Refined	0 21	0 22
Wiping	0 18	0 19

NOTE.—Prices of this graded according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 11	0 11½

White Lead.

	Per cwt.
Pure, Assoc. guarantee, ground in oil, 25 lb. irons	6 12½
No. 1 do	5 74½
No. 2 do	5 37½
No. 3 do	5 00
No. 4 do	4 62½
Robertson's Chemically Pure	6 12½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B. B. Genuine	8 12½
" No. 1	7 25
James' genuine	7 20
" " No. 1	6 75

White Zinc Paint.

Elephant Snow White	0 08
Pure White Zinc	0 08
No. 1	0 06
No. 2	0 05

Dry White Lead.

Pure, casks	0 05⅛
Pure, kegs	0 05⅝
No. 1, casks	0 04⅞
No. 1, kegs	0 05⅛

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)

Pure, per gallon	1 00
Second qualities, per gallon	0 90
Barn (in bbls.)	0 70 0 90
The Sherwin-Williams Paints	1 20
Canada Paint Co's Pure	1 10 1 20
Robertson's Pure	1 00 1 10
Sanderson Pearcy's Pure	1 00 1 10

Colors in Oil.

(25 lb. tins, Standard Quality.)

Venetian Red, per lb	0 05
Chrome Yellow	0 11
Golden Ochre	0 06
French "	0 05
Marine Black	0 09
" Green	0 09
Chrome "	0 08
French Imperial Green	0 19

Colors, Dry.

Yellow Ochre (J. C.) bbls. per cwt	1 35	1 40
Yellow Ochre (J.F.L.S.), bbls. per cwt		2 75
Yellow Ochre (Royal), per cwt	1 10	1 15
Brussels Ochre		2 00
Venetian Red (best). per cwt.	1 80	1 90
English Oxides, per cwt.	3 00	3 25
American Oxides, per cwt	1 75	1 90
Canadian Oxides, per cwt.	1 75	1 90
Burnt Sienna, pure, per lb.		0 10
" Umber, " "		0 10
do aw		0 09
Drop Black, pure		0 09
Chrome Yellows, pure		0 18
Chrome Greens, pure, per lb.		0 12
Golden Ochre		0 03¾
Ultra marine Blue in 28-lb boxes, per lb.	0 08	0 24
Fire Proof Mineral, per 100 lb.		1 00
Genuine Eng. Litharge, per lb		0 07
Mortar Color, per 100 lb.		1 25
James' Gen. Red Lead, 100 lb		0 04⅞
Pure Indian Red, No. 45, lb.		0 08
Whiting, per 100 lb.		0 55

Paris Green.

250 lb. casks	0 13½
50 lb. drums	0 14
1 lb. packages	0 15
½ lb. "	0 16½
1-lb. tins	0 15½

Sulphate of Copper.

Casks, for spraying, per lb.	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bladders in bbls	1 80
Bladders in 100 or 200 lb. kegs or bxs	1 95
Bulk in bbls., per 100	1 65
Bulk in less quantities	1 80
25-lb. tins, 4 in case	2 05
12½-lb. tins, 8 in case	2 30

Quotations f.o.b. Toronto—10c. per 100 lbs. extra Hamilton, London Guelph. For quantities less than 100-lbs., 2½c. per lb.

Varnishes.

(In 5-gal. lots.).		Per gal.
Carriage, No. 1	1 30	1 40
Extra do.	1 50	1 60
Body Varnish	3 40	3 50
Furniture Varnish	0 50	0 60
Extra do.	1 00	1 10
Demar Varnish		1 50
Hard Oil Finish	1 30	1 35
Orange Shellac Varnish	2 00	2 10
White Shellac	2 20	2 25
Rubbing Varnish		2 00
Brown Japan		0 75
Elastic Oak	1 20	1 30

Linseed Oil.

Raw, per gal. net	0 57
Boiled, per gal. net	0 60

Outside points 1c. more than above figures

Turpentine.

1 to 4 barrels, net	0 64

Outside points 1c. more

Castor Oil.

In cases, per lb	0 09
Small lots	0 10

Cod Oil, Etc.

Cod Oil, per gal.	0 50 0 55
Pure Olive	1 20
" Neatsfoot	80

Glue.

(In bbls.)

Common	0 08½	0 09
French Medal	0 12	0 12½
Cabinet, sheet	0 11	0 12
White, extra	0 16	0 18
Gelatine	0 22	0 30
Strip	0 16	0 18
Coopers	0 19	0 20
Al clear		0 09

HARDWARE.

Ammunition.

Cartridges.

B. B. Caps. Dom., 50 and 5 per cent.
Rim Fire Pistol, dis. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18 p.c. Amer.

1879 ESTABLISHED 1879

ESSEX HANDLE and WOOD TURNING WORKS.

Late of Essex, now LEAMINGTON ONT.

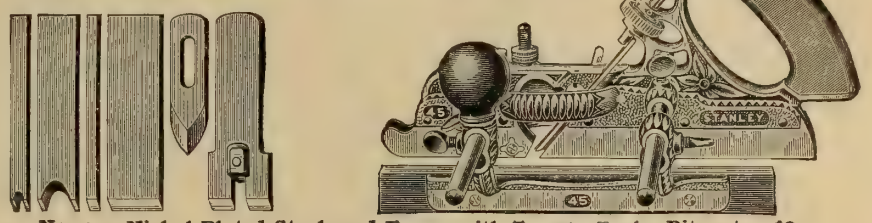
Makers of Axe, Fork, Rake, Hoe, Sledge, Broom, Hammer, and all kinds of Handles. Neck Yokes, Singletrees, and Doubletrees, Bench Saws, Exercise Clubs, Baseball Bats, etc., etc. Do you sell any Shaved Pattern and Octagon Axe Handles? The largest and best trade in Canada does, because they give best satisfaction. **All stock air-dried,** not kiln-dried. If you are going to be in it, place your order with

GARDNER BROS. & CO.

STANLEY'S ADJUSTABLE

BEADING, RABBET, SLITTING AND MATCHING PLANE.

"A Planing Mill within itself,"—says a Country Carpenter.



No. 45. Nickel Plated Stock and Fence, with Twenty Tools, Bits, etc., $8.00
SOLD BY ALL HARDWARE DEALERS.

Central Fire Cartridges, pistol sizes, Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.
Brass shot Shells, 55 and 10 per cent.
Primers, Dom., 80 per cent.

Wads.

	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½- b. bags	0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	

Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 33⅓ per cent.

Anvils.

Per lb	0 10	0 12½
Anvil and Vice combined each	....	4 50
Wilkinson & Co.'s Anvils..lb.	0 09	0 09½
Wilkinson & Co.'s Vices..lb.	0 09¾	0 10

Augers.

Gilmour's, discount 50 and 10 p.c. off revised list.

Hollow, Stearn's, per dozen..	13 00	20 00
Adjustable, Stearn's, each..	4 50	6 50
Post-hole, Vaughan's, each..	60	90

AXES.

Splitting Axes	5 25	5 50
Chopping Axes—		
Single List, per doz	8 00	12 00
Double List, "	11 00	18 00

Bench Axes, 40 and 15 p.c.
Broad Axes, 33⅓ per cent.

Hunters' Axes	5 25	5 50
Boy's Axes	5 75	6 75

Bath Tubs.

Zinc	3 90	4 00

Copper, discount 40 and 10 p.c. off revised list
Steel clad, 20 per cent. discount off revised list. Boxing extra.

Anti-Friction Metal.

"Tandem" A	per lb.	0 23
" B	"	0 19
" C	"	0 11½

Magnolia Anti-Friction Metal, per lb. 0 25
F. O. B. New York or Chicago.

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent.

Door.

Gongs, Sargant's	5 50	8 00

" Peterboro', discount 50 per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00
Blacksmiths', discount 60 per cent.		

Belting.

Extra, 50 per cent.
Standard, 50 and 10 to 50, 10 and 5 per cent.
Agricultural, 60 and 10 p c.

Bits.

Auger.

Gilmour's, discount 50 and 10 per cent
Rockford, Common, 70 to 70 and 10 per cent.
" Perfection, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent.

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind Rollers.

Annex, per doz	1 25	1 75
Mascott, "	1 35	1 85
Erminie, "	1 00	0 00

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Norway Bolts, full square	65
Common Carriage Bolts, 5-16 & under	55
" " " ⅜ and larger.	50
" " " full square	65
Machine Bolts, all sizes	55
Coach Screws	67½
Sleigh Shoe Bolts	72½
Blank Bolts	55
Bolt Ends	62½
Nuts, square	3¾c.
Nuts, hexagon	4¼c.
Tapping Nuts	60
Tire Bolts	60 and 10
Stove Bolts	60 and 10

Boot Calks.

Small and medium, per M	4 50	
Small heel, per M	4 25	

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent.

Henis, No. 8, "		6 00
Henis, No. 9, "		7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Plain building, per roll	0 28
Tarred lining, per roll	0 35
Tarred roofing, per 100 lb	1 40
Coal Tar, per barrel	3 75
Pitch, per 100-lb	0 60
Carpet felt, per 100 lb	2 25

Bull Rings.

Copper, $1.50 for 2½ in. and $2 for 2 in,

Butts.

Brass.

Wrought Brass, dis., 10 p.c. revised list.

Cast Iron.

Loose Pin, dis., 60 to 60 and 10 per cent.

Wrought Steel.

Fast Joint, dis. 70 and 10 per cent.
Loose Pin, dis. 70 and 10 per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Cards.

Horse, per doz	0 60	1 00

Carpet Sweepers.

Bissell, per doz	22 50
World, "	21 75
Daisy, "	24 00
Star, "	18 00
Crown Jewel, per doz	29 00
Grand Rapids, "	24 00 33 00

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	2 65	2 90
English "	....	3 00
Belgian "	....	2 70
Canadian hydraulic	1 00	1 10

Figures are for barrel lots.

Chalk.

Carpenters, Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red "	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 70 and 5 per cent.
Warnock's, dis. 40 and 10 per cent.

Churns.

Revolving Churns, metal frames—No. 0, $3—No. 1, $3.25—No. 2, $3.40—No. 3, $3.75—No. 4, $4.50—No. 5, $5.90 each. Ditto, wood frames—15c. each less than above. Terms 4 months or 3 p.c. off 30 days, f.o.b.

Clips.

Axle dis. 65 per cent.

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 20 per cent. from factory.

Dies.

Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. per cent

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Broad's, dis 75 per cent.
Warnock's, dis. 50 and 10 per cent.

Drills.

Hand and Breast.

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis.. 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.

EARTHENWARE.

Closets, washout, plain	4 50	
" " embossed	4 75	
Closet connection	1 25	
Basins, round 14 in	0 65	
" oval, 17 x 14 in	1 55	
" " 19 x 15 in	2 30	

ELBOWS.

Stovepipe.

Per doz	0 85	1 70

FACTORY MILK CANS.

Discount off revised list, 45 per cent.

FILES.

Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Jowitt's, English list, 25 to 27½ per cent.
Mechanics' Star & File Mfg. Co. Discount 60 and 10 to 70 per cent.

FORKS.

Hay, manure, etc., dis., 60 and 10 to 60 and 5 p. c. revised list.

FREEZERS

Ice Cream,

White Mountain, 1 to 25 qt	1 35	13 50
Arctic, dis. 50 p.c.		

FRY PANS.

Acme, dis. 65 to 67½ per cent.

FRUIT PRESSES.

Henis', per doz	3 25	3 50

Shepard's Queen City, dis. 15 per cent.

GAUGES.

Marking, Mortise, Etc.

Stanley's, dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

GLASS.

Window.

Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	Double Diamond Per 50 ft.	Double Diamond Per 100 ft.
Under 26	2 00	3 75	3 20	6 00
26 to 40	2 15	4 05	3 40	6 65
41 to 50	...	4 50	....	7 00
51 to 60	....	4 75	....	8 25
61 to 70	....	5 10	....	9 00
71 to 80	....	5 50	....	10 00
81 to 85	....	6 10	....	11 50
86 to 90	....	7 25	....	13 50
91 to 95	....	....	....	15 00
96 to 100	....	....	....	18 00
101 to 105	....	....	....	20 50
106 to 110	....	....	....	23 50

HALTERS.

Rope, ⅜ per gross	8 25	8 55
" ½ "	9 25	6 50
" ⅝ "	11 00	11 20
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis 5 to 10 per cent. 25 to 27½ per cent.	Can.	dis.

Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz., net	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pair	0 40	2 50

Fork

C. & B., dis. 45 per cent. rev. list.

Hoe.

C. & B., dis. 45 per cent. rev. list.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 45 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾	0 20

HANGERS.

Door, 4 and 5 inch, per pair	0 40	0 50

Lane's, 62½ per cent.

HARVEST TOOLS.

Discount, 60, 10, and 5 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent.

HINGES.

Blind, Parker's, dis. 60 and 10 to 65 per cent
" Shepard's Noiseless, dis. 60 per cent.
" Buffalo, dis. 60 to 70 p. c.

Heavy T and strap, 4-in., per lb		0 05
" " 5-in., "	....	0 04¾
" " 6-in., "	...	0 04½
" " 8-in., "	....	0 04¼
" " 10-in., "	....	0 04
Screw hook and hinge—		
3 to 12 in., per 100 lbs	....	3 75
14 in. up, per 100 lbs	...	3 00

	Per gro. pair
Spring	8 50

HOES.

Garden, Mortar, etc., dis 60, 10 and 5 p c.		
Planter, per doz	4 00	4 50

See Fairbanks Advt. on Page 17.

HOOKS.

Cast Iron.

Bird Cage, per doz	0 50	1 10
Clothes Line, per doz	0 27	0 63
Harness, per doz	0 72	0 88
Hat and Coat, per gross	1 00	3 00
Chandelier, per doz	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.

Hat and Coat, discount 60 per cent.
Belt, per 1,000 ..... 0 60 0 70
Screw, bright, dis. 65 and 10 per cent.

HORSE NAILS.

"C" brand 50 p.c. dis. } Oval head.
"M" brand 50 p.c. }

Acadian, 50 and 20 p.c., countersunk head.

HORSESHOES.

Iron Shoes.	F.O.B. Toronto. No. 2 and larger.	No. 1. and smaller.
Light, medium, and heavy	3 60	3 85
Snow shoes	3 85	4 10
Steel Shoes.		
Light	4 00	4 25
Featherweight (all sizes)	5 25	5 25

JAPANNED WARE.

Discount, 50 per cent. off list, June, 1899.

ICE PICKS.

Star, per doz	3 00	3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.

Copper, per lb	0 30	0 35

American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 50 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz		0 90
Bronze, Berlin, per doz	2 75	3 25
Bronze Genuine, per doz	6 00	9 00
Shutter, porcelain, F. & L. screw, per gross	1 30	4 00

KNIVES.

Clauss, bread, cake, and paring knives, $7 00 doz. sets net. to 10 per cent.
Christie, bread, cake, and paring knives, $7 00 doz. sets, with 10 p.c. off.
Hay knives, spear point, L. or T handle, 60 10 and 5 per cent.

Lightning, per doz	6 50	8 40
Health's, $7.75 net.		

LANTERNS.

Cold Blast, per doz		7 00
No. 5 "Wright's"		8 00

LEMON SQUEEZERS.

	per doz.	
Porcelain lined	2 20	5 60
Galvanized	1 87	3 85
King, wood	2 75	2 90
King, glass	4 00	4 50
All glass	1 20	1 30

LINES.

Fish, per gross	1 05	2 50
Chalk "	1 90	7 40

LOCKS

Canadian, dis. 50 p.c.
Russell & Erwin, per doz 2 00 2 20

Cabinet.

Eagle, dis. 30 p.c.

Padlock.

English and Am., per doz	50	6 00
Scandinavian "	1 00	2 40

Eagle, dis. 15 to 17½ p.c.

MACHINE SCREWS.

Iron and Brass.

Flat head, discount 25 p.c.
Round Head, discount 20 p.c.

MALLETS.

Tinsmiths', per doz	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz	3 85	5 00
Caulking, each	60	2 00

MATTOCKS.

Canadian, per doz	8 50	10 00

American, 60 and 10 p.c. off list.

MEAT CUTTERS.

American, dis. 30 to 32½ p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2d. and 3d	$3 25	$3 75
3d	2 90	3 40
4 and 5d	2 85	3 15
6 and 7d	2 65	3 05
8 and 9d	2 40	2 90
10 and 12d	2 35	2 85
16 and 20d	2 30	2 80
30, 40, 50 and 60d. (base)	2 25	2 75

Steel Cut Nails 10c. extra.

NAIL PULLERS.

German and American	1 85	3 50

NAIL SETS.

Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.

Poultry, 40 per cent. for McMullen's.

OIL.

Canada refined (Toronto)		0 13½
Sarnia Water White		0 15
" Prime Water		0 14
American w. w.		0 16½
Pratt's Astral		0 18

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz	0 00	11 00

Zinc and tin, dis. 50, 50 and 10.

Copper, per doz	1 25	3 50
Brass, "	1 50	3 50

Malleable, dis. 25 per cent.

PAILS.

	per doz.
Galvanized, straight pattern No. 12	2 00
Galvanized, straight pattern No. 14	2 25
Galvanized, straight pattern No. 16	2 55
Flaring pattern, No. 11	2 25
" " No. 12	2 50
" " No. 13	2 85
" " No. 14	3 30

PIECED WARE.

Discount, 45 per cent. off list, June, 1899.

PICKS.

Per doz	6 00	9 00

PICTURE NAILS.

Porcelain head, per gross	1 40	3 00
Brass head, "	0 40	1 00

PLANES.

Wood, bench, Canadian dis. 55 per cent. American dis. 55.
Wood, fancy Canadian or American, 37½ to 40 per cent.
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.
Miscellaneous, dis. 25 to 27½ per cent.
Bailey's Victor, 25 per cent.

PLANE IRONS.

English, per doz	2 00	5 00

PLIERS AND NIPPERS.

Button's Genuine, per doz pairs, dis. 37½ 40 p.c.

Button's Imitation, per doz	5 00	9 00
German, per doz	0 60	2 60

PULLEYS.

Hothouse, per doz	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS

Canadian cistern	1 40	2 25
Canadian pitcher spout	1 15	2 00

PUNCHES.

Saddlers', per doz	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set	0 00	0 72
" hollow, per inch	0 00	1 00

RAKES.

Cast steel and malleable Canadian, list dis. 60, 10 and 5 p.c revised list.
Wood, 25 per cent.

RASPS AND HORSE RASPS.

New Nicholson horse rasp, discount 60 p.c.
Globe File Co.'s rasps, 60 and 10 to 70 p.c.
Heller's Horse rasps, 50 to 50 and 5 p.c.

RAZORS.

	per doz.	
Geo. Butler & Co.'s	8 00	18 00
Boker's	7 50	11 00
Wade & Butcher's	3 60	10 00
Theile & Quack's	7 00	12 00

REAPING HOOKS.

No. 2		$2 00
No. 3		2 05
No. 4		2 15
No. 5		20

RIVETS AND BURRS.

Carriage, Section, Wagon Box Rivets, etc. (Steel), 60 p c.
Carriage, Section, Wagon Box Rivets, et (Norway Iron), 55 p.c.
Black M Rivets (Steel), 45 p.c.
Black and Tinned Rivets, 60 p.c.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets & Burrs, 35 p.c. dis., and cartons 1c. per lb. extra, net.
Extras on Tinned or Coppered Rivets in ¼-lb. cartons, 1c. per lb.
Burrs, iron or steel, 40 per cent.
Terms, 4 mos. or 3 per cent. cash 30 days.

RIVET SETS.

Canadian, dis. 37½ 37½ per cent.

ROPE, ETC.

	Sisal.	Manila.
7-16 in. and larger, per lb.	10½	12
⅜ in	11	12½
¼ and 5-16 in.	11½	13
Cotton		13
Russia Deep Sea		14½
Jute	6¾	7½
Lath Yarn		8¾
New Zealand Rope		9½

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

Mrs. Potts, per set	0 70	
" N. P., per set	0 85	

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 2½ per cent.
Emery, 40 per cent.

SASH CORD.

Per lb	0 20	0 50

SASH WEIGHTS.

Sectional, per 100 lbs	1 40	1 75
Solid, "		1 25

SAWS.

Hand, Disston's, dis. 12½ to 15 p.c.
S. & D., 40 per cent.

Crosscut, Disston's, per ft	0 35	0 55

S. & D., dis. 35 p.c. on Nos. 2 and 3.

Hack, complete, each	0 75	2 75
" frame only		0 75

SAW SETS.

"Lincoln," per doz	5 50	6 00

SCALES

Gurney Scales, 45 p.c.
B. S. & M. Scales, 45 p.c.
Champion, 55 per cent.
Fairbanks Standard, 45 p.c.
" Dominion, 60 p.c.
" Richelieu, 60 p.c.
Chatillon Spring Balances, 25 p.c.

SCREENS.

Door, patent per doz	6 00	12 00
Window, per doz	2 00	3 00

SCREW DRIVERS.

Sargent's, per doz	0 65	1 00

SCREWS

Wood, F. H., iron, and steel, 80 and 5 p.c.
Wood R. H., " dis. 75 and 5 p.c.
" F. H., brass, dis. 75 and 5 p.c.
Wood, R. H., " dis. 67½ and 5 p.c.
" F.H., bronze, dis. 67½ and 5 p.c.
" R.H. " 62½ and 5 p.c.
Drive Screws, 82½ and 5 per cent.

Bench, wood, per doz	3 25	4 00
" iron, "	4 25	5 75

SCYTHES.

Discount, per doz. net	4 50	6 00

SCYTHE SNATHS.

Canadian, dis. 50 p.c.

SHEARS

Seymour's, dis. 50 and 10 p.c.
Heinisch, dis. 50 and 10 p.c.
Claus, full nickel, 50 and 10 p.c.
" japanned handles, 67½ p.c. off.
Seymour or Heinisch tailor shears. 15 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SNAPS.

Harness, German, dis. 35 to 37½ p.c.

Acme	3 00	5 00
Lock, Andrews'	4 50	11 50

SOLDERING IRONS.

1, 1½ lb., per lb		0 37
2 lb. or over, per lb		0 34

WROUGHT SPIKES.

Discount, 35 to 40 per cent.

SQUARES.

Iron, per doz	1 65	2 90

Steel, dis. 70 per cent., revised list.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p.c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized		3 25
Bright		3 00

STOCKS AND DIES.

American dis. 25 p.c.

STONE.	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador		0 13
" Axe		0 15
Turkey		0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, per ton	15 00	18 00

Stove Polish.



No. 4—3 dozen in case, net cash $4 50
No. 6—3 dozen in case, " 7 50

STEP LADDERS.

Best grade, from 3 to 10-ft. long, per foot, 16c.
2nd grade, 3 to 10-ft., per foot, 10c.

TACKS BRADS, ETC.

	Per cent.
Strawberry box tacks, bulk	75 and 10
Cheese-box tacks, blued	85
Trunk tacks, black and tinned	85
Carpet tacks, blued and tinned	80
" (in kegs)	40
Cut tacks, blued, in dozens only	75 and 5
" ¼ weights	60
Swedes, cut tacks, blued and tinned—	
In bulk	80 and 12½
In dozens	75
Swedes, upholsterers', bulk	85
" brush, blued and tinned, bulk	50
" gimp, blued, tinned & japanned	75
Zinc tacks	30
Leather carpet tacks	60
Copper tacks	50
Copper nails	52½
Trunk nails, black and tinned	70
Clout nails, blued and tinned	70
Chair nails	40
Cigar box nails	40
Patent brads	45
Fine finishing	45
Picture frame points	20
Lining tacks, in papers	10
" " in bulk	15
" " solid heads, in bulk, 75 and 12½	
Saddle nails in papers	10
" " in bulk	15
Tufting buttons, 22 line, in dozens only	60
Tin capped trunk nails	15
Zinc glazier's points	5
Double pointed tacks, dozens..85 and	5
" " " bulk	40

TAPE LINES.

English, ass skin, per doz	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TINWARE.

Stamped, dis., Assn. list, 80 per cent.
Japanned, prices on application.
Pieced, prices on application.

TRANSOM LIFTERS.

Payson's per doz		2 60

TRAPS. (Steel.)

Game, Newhouse, dis. 40 p c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's, discount 10 per cent.

German, per doz	4 75	6 00
Brade's "	5 00	10 50

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb		0 21
Wrapping, mottled, per pack.	0 50	0 60
Wrapping, cotton, per lb	0 17	0 18
Mattress, per lb	0 33	0 45
Staging, "	0 27	0 35
Broom, "	0 30	0 55

VISES.

Hand, per doz	4 00	6 00
Bench, parallel, each	2 00	4 50
Coach, each	6 00	7 00
Peter Wright's, per lb	0 12	0 13
Pipe, each	5 50	9 00
Saw, per doz	6 50	13 00

WIRE.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Smooth Steel Wire, base, $2.85 f.o.b. factory points List of extras: Nos. 2 to 5, advance 7c. per 100 lb.—Nos. 6 to 9, base—No. 10, advance 7c.—No. 11, 14c.—No. 12, 20c.—No. 13, 35c.—No. 14 47c.—No. 15, 60c.—No. 16, 75c. Extras net per 100 lb.: Coppered wire, 60c.—tinned wire, $2—oiling, 10c.—special hay-bailing wire, 30c.—spring wire, $1—best steel wire, 75c.—bright soft drawn, 15c.—in 50 and 100-lb. bundles net, 10c.—in 25-lb. bundles net, 15c.—packed in casks or cases, 15c.—bagging or papering, 10c.
Fine Steel Wire, discount 25 per cent. factory. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19. $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, $7.65—No. 24, $8—No. 25, $9—No. 26, $9.50—No. 27, $10—No. 28. $11—No 29, $12—No. 30, $13—No. 31, $14—No. 32, $15 No. 33, $16—No. 34. $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31, $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles 25c.—in 1-lb. hanks, 50c.—in ¼-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.40—No. 9, $2.90—No. 10, $3.50—No. 11, $3.55—No. 12, $3 05—No. 13, $3.15—No. 14, $3 90—No. 15, $4.50—No. 16. $4.65.

Broom Wire, per lb	0 05	0 05½
Clothes Line Wire, 19 gauge, per 1,000 feet	2 75	3 00

WIRE FENCING.

	F.O.B Toront
Galvanized, 4 barb, 2¼ and 5 inches apart	3 25
Galvanized, 2 barb, 4 and 6 inches apart	3 25
Galvanized, plain twist	3 25

Terms, 2 per cent. in 10 days.

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net		1 75

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 70 to 70 and 10 p.c.
Standard, dis. 60, 60 and 10 per cent.
Coe's Genuine, dis. 30 to 32½ p.c.
Diamond dis. 33⅓ to 35 per cent.

Towers' Engineer, each	2 00	7 00
" S., per doz	5 80	6 00
G. & K.'s Pipe, per doz		3 40
Burrell's Pipe, each		3 00
Pocket, per doz	0 25	2 90

WRINGERS.

Leader	per doz.	$60 00
Royal Canadian	"	58 00
Royal American	"	48 00

Discount, 45 per cent.; terms 4 months, or 3 p.c. 30 days. Prices are f.o.b. London, Hamilton, Toronto, Brockville or Montreal.

WESTERN ASSURANCE COMPANY

Incorporated 1851.

Fire and Marine

Capital, subscribed	$2,000,000.00
Capital - - -	1,000,000.00
Assets, over - -	2,340,000.00
Annual Income -	2,290,000.00

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Fine Varnish & Japan
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Buy McMullen's unequalled

Poultry Netting

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Fencing.

Made by

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Limited
PICTON, ONT.

For sale by The Canadian Hardware Jobbers; The B. Greening Wire Co., Hamilton and Montreal, General Agents, and James Cooper, Montreal, Agent for Railway Fencing. (20)

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BASKETS

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Pumps

Force, Lift and Cistern Hand and Power.

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WIND GUARDS, CHIMNEY TOPS, FLUE LININGS,
CULVERT PIPES, SEWER PIPES, INVERT BLOCKS.

Manufactured by the

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Hamilton, Ontario. Limited

CHAS. F. CLARK, President. JARED CHITTENDEN, Treasurer.

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THOS. C. IRVING, Superintendent.

PERFECTION AUTOMATIC REVOLVER.



NEW Automatic shell extracting, double action, small frame. Weighs 12 oz. Rebounding lock. 32 caliber. 5 shot.

Made with shorter barrel for bicycle use.

The most perfect small pistol made.

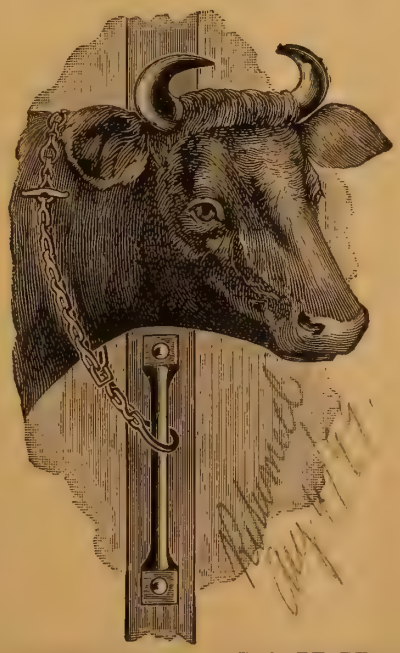
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Forehand Arms Co.

Manufacturers of the

Forehand Guns

Worcester, Mass.



Dominion Pattern

Cow Tie AND Stall Fixture

The special features of the tie and stall fixture are well shown in the illustration. As will be noticed the chain is very short which prevents all danger of entanglement with the animal's foot. At the same time the form of the fixture is such that great freedom is allowed to the head. Because of the short chain this tie is much cheaper than the ordinary patterns.

The stall fixture is made from a tough quality of steel and is very strong. Also, owing to its circular cross-section, it is exceedingly rigid. Its simplicity, convenience, cheapness, and ease of attaching make it very popular with cow tie users.

This form of tie and stall fixture are sometimes called Niagara pattern.

American or Flat Link Chain,

for years the standard cow tie chain in "the States," is now rapidly coming in favor in Canada. Its short link, handsome appearance and smooth surface—which cannot injure the animal's neck—make it superior to all other styles of chain for cow ties.

For sale by all Jobbers; manufactured by

ONEIDA COMMUNITY, Limited, NIAGARA FALLS, ONT.



Est. 1863 Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve  Medals

Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895



HAVE YOU TRIED IT?



"PYRAMID" BRAND



BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM
HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

Sole Manufacturers:

The Gutta Percha and Rubber Mfg. Co.

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61-63 FRONT ST. WEST, TORONTO.

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Write for Prices...

M. & L. Samuel, Benjamin & Co.

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Samuel, Sons & Benjamin
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26 to 30 Front St. West TORONTO.

EQUIVALENT TO COST.
Langwell's Babbitt
--Montreal.

CANADIAN
HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XI. MONTREAL AND TORONTO, AUGUST 12, 1899. NO: 32

Magnolia Metal



Best Anti-Friction Metal for all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up in bars, of which this is a

FAC-SIMILE.



The name and trade mark appear on each box and bar and besides this, the words "Manufactured in United States" and "Patented June 3, 1890" are stamped on the under side of each bar.

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LONDON OFFICE—49 Queen Victoria St.
CHICAGO OFFICE—Fisher Building, 281 Dearborn Street.
CANADIAN OFFICE—524 Board of Trade Building, Montreal.

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Always Ahead



"Queen's Head" Iron always leads in sales, because the intelligent buyer knows that he can rely on it **every time**, and the price, if not the lowest, is at least the best that can be quoted for such a quality.

JOHN LYSAGHT, Limited

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Contractors Make Money

when they install the Safford Patent Radiators for hot water and steam heating. And they make *good* money, too. The Dollars and Cents profit is only part of it—the customer's satisfaction and good-will is the other half.

A leaky radiator will injure the business and the reputation of the best contractor in the world—the Safford Radiator is literally "always as tight as a drum." **It has screwed nipple connections.**

Toronto's City Hall and Court House are fitted throughout with Radiators made by the largest manufacturers of Radiators under the British Flag—

The Safford Radiators.

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Montreal, Quebec, St. John, N.B. Winnipeg, Vancouver, London, Glasgow, Edinburgh, Belfast, Antwerp, Berlin, Christiana, Auckland, N.Z., Johannesburg, S.A.R.

The Dominion Radiator Company, Limited
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Shelf and Heavy

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MANTELS
GRATES
TILES

Cutlery . .

FINE BUILDERS' HARDWARE.

Cor. King and Victoria Streets ...TORONTO

SAVAGE REPEATING RIFLE

.303 CAL.



Hammerless
Smokeless
Six-Shooter

New 1899 Model

AGENTS:
Winnipeg, J. H. ASHDOWN
Toronto, RICE LEWIS & SON
Quebec, CAVERHILL, LEARMONT & CO.

LATEST and FINEST Rifle manufactured.

Write for complete Catalogue W.

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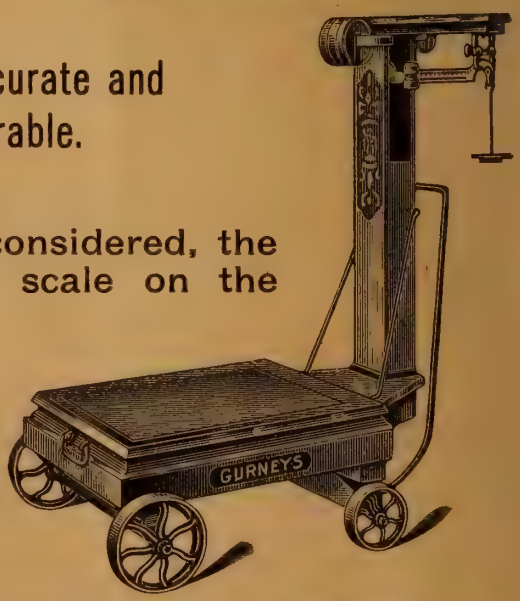
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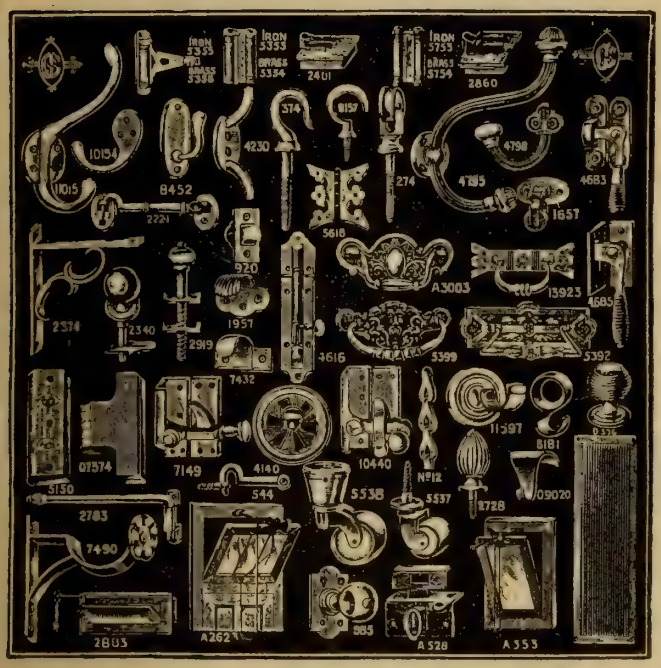
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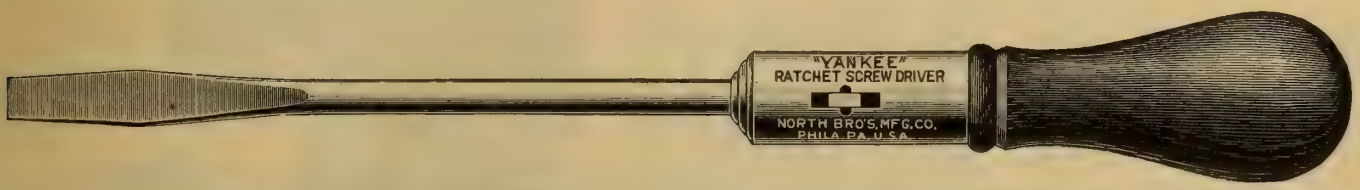
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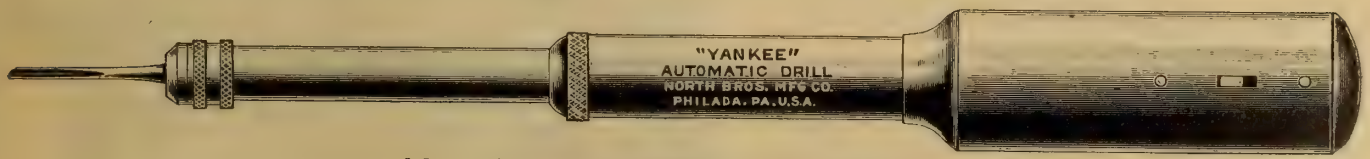
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and other conveniences, give it a superiority quickly appreciated.

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The Gurney Foundry Co., Limited, Toronto

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Children's Delight, Satisfying to all, Perfectly Safe, Very Strong, Most Restful and Invigorating.

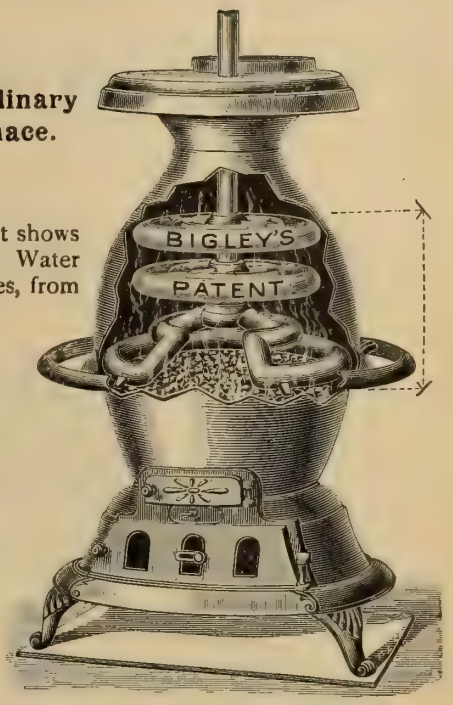
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The quality is unquestioned.

The large variety of its lines is unequalled.

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It is most profitable for you and your customers.

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NOTE.—In order to put all our Ontario customers on an equal footing as to freight, we have decided to equalize freight with Toronto for towns West of Belleville and West and North of Toronto.

TO DEALERS who bought too hastily in previous seasons we wish to tender a timely word of advice—WAIT till our representative calls on you in a few days with our interesting range of samples, or if YOU CANNOT WAIT write or wire us, and we will arrange to give you an early opportunity to inspect our offering.

Enameline

The Modern STOVE POLISH



PASTE.



LIQUID.



CAKE.

We present herewith cuts showing the three different forms of package in which Enameline is put on the market. The enormous amount of advertising being done to familiarize housekeepers with the name enables merchants to make quick sales. Don't load up with unknown brands—that's dead stock.

J. L. PRESCOTT & CO., New York.

Standard Steel Toe Calks

Sizes of Blunt:



WRITE FOR DISCOUNTS.



Sizes of Sharp Calks below for Fall of 1899:

No.	Length.	Size.	No.	Length.	Size.
0	1½ inch	3/8 x 5/16	4	2¼ inch	3/4 x 3/8
1	1½ "	1/2 x 5/16	5	2½ "	3/4 x 3/8
2	1¾ "	9/16 x 3/8	6	2¾ "	7/8 x 7/16
3	2 "	5/8 x 3/8	7	3 "	7/8 x 7/16

Price, $1.25 per box of 25 lbs. in bulk.
Or 24 lbs. in 4-lb. packages.

No.	Length.	Size.	No.	Length.	Size.
0	1½ inch	9/16 x 3/8	4	2½ inch	3/4 x 1/2
1	1¾ "	9/16 x 3/8	5	2¾ "	15/16 x 9/16
2	2 "	11/16 x 7/16	6	3 "	15/16 x 9/16
3	2¼ "	3/4 x 1/2			

Price, $1 50 per box of 25 lbs. in bulk.
Or 24 lbs. in 4-lb. packages.

JAMES PENDER & CO., Limited, Sole Mfrs. **Saint John, N. B., Canada.**

Kemp's New Patent Steam Cereal Cooker.

A simple, inexpensive kitchen convenience.

Useful in one hundred ways. . . . . .



In cereals cooked by this method the kernels are expanded by the steam circulating over them, making them tender, delicate, delicious, and readily digestible.

Made in Diamond and Granite Enameled Steel Ware and Retinned Ware.

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HARDWARE AND METAL

Vol. XI. MONTREAL AND TORONTO, AUGUST 12, 1899. No. 32

President, JOHN BAYNE MacLEAN, Montreal.
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THE PRICE-CUTTING EVIL.

IT is the height of folly for merchants, either wholesalers or retailers, to cut prices. When at stocktaking, or any other time, there is a line of goods or the balance of a line of goods which promises to remain on the shelves, a merchant is warranted in reducing his figures to a price which will induce its sale. Indeed, it is the wisest thing he can do. But that is not cutting prices. It is only putting the market price on the goods, for the market price of an article is the figure at which it can be sold, whether the reduction made to reach that condition be 10 or 50 per cent.

Cutting prices is marking the selling price below the market value.

Grocers sell sugar, hardwaremen nails, drygoodsmen cottons at or below cost when the condition of the market demands that they should do otherwise.

But the trouble is that it is not the condition of the market that is their chart or compass.

It is the selfish desire to do all the business themselves and compel their competitors to go out of business.

The result is not only bad feeling, but bad profits for all concerned. You cannot plant thorns and produce grapes.

Instead of cutting prices to get business it would be infinitely better if merchants, both wholesalers and retailers, would stand together for better prices.

It is not necessary to have elaborate machinery for doing this. All that is wanted is that there shall be an understanding as to the margin of the selling price above the buying price.

Such an agreement would not make competition any the less; but it would prevent or diminish illegitimate competition.

Competition proper is the life of trade, for it brightens and sharpens business and induces improved methods therein. It is competition improper, like cutting prices, which kills business.

COULD NOT ACCEPT THE BUSINESS

A manufacturer in Canada, whose raw material is sheet steel, desires to place an order with a mill in the United States for his next year's supply. The latter, however, refused to entertain the order, (1) because it was already unusually busy, and (2) because it could not get raw material.

THE TURPENTINE SITUATION.

TURPENTINE is in an excited condition at primary points owing to speculative activity induced by strong probability of a short crop this season.

As a result of this excitement, Savannah advices state that the contracts already made on August account amount to 30,000 barrels, and that the estimated receipts for the entire month only amount to 34,000 barrels, which only leaves the small margin of 4,000 to meet current wants between now and the end of the month. In fact, there are little or no free spirits offering at primary points, and, lately, bids of 45c. for round lots of 1,000 barrels for September delivery were turned down at Savannah, as nearly all the goods in sight were wanted for existing contracts.

At present the stock on hand at primary points is about the same as last year, namely, 22,344 against 20,212 in 1898. The receipts to date, at Savannah, however, are away behind those of 1898, being 165,218, against 197,986 in the year named.

The movement so far this season has been behind that of last year, being in the aggregate 142,774 barrels, against 177,784 for the same period in 1898. This explains why the stock on hand is a little in excess of 1898, despite the fact that receipts this year are away behind.

At this writing prices are 4 to 5c. higher in Canada than a week ago, quotations in Toronto being 71 to 72c.

Boys and men who wait to do a thing until they have time to do it are always a lap or two behind in life's race.

SEVEN YEARS OF PRICES.

AN interesting diagram showing the fluctuations in the prices of crude and finished iron and steel was published in The Iron Age of July 27. The period covered was from January 1, 1892, to June, 1899.

In Bessemer pig iron the fluctuations were all the way from $9.25 per ton to $18.50. The lowest figure was touched in July, 1897, and the highest in June, 1899. Here, from the lowest to the highest point, there is a difference of 100 per cent.

The difference from the lowest to the highest point in steel billets is still greater, the lowest being $13.82, and the highest $30.10. The latter was in July, 1899, and the former in June, 1897.

The lowest figure Southern gray forge touched was $8.25, and that price obtained on several occasions during the seven-year period covered by the diagram. The highest point touched was in June, 1899, when the price was $14.85.

Cut nails went as low as 70c. per keg base in April, 1895, but by May 30, 1896, they were $2.30. This price was maintained until October of the same year, after which there was a decline, until, in August, 1898, $1.05 was touched. In June last the price had advanced to $1.95.

The lowest price touched by wire nails was 86c. per keg base. This was in January, 1895. By May, 1896, under the influence of the combination, the price was worked up $2.55 per keg. That price was maintained for six months. But, when jobbers in the United States began to import American nails from Liverpool at 50 or 60c. per keg less than they could buy them at home, the combination collapsed and the prices came down, until, by July, 1897, the base was $1.25. In June, 1899, the price had reached $2.30.

The highest price touched by barbed wire was in January, 1892, $3.05 was the selling price, and the lowest, $1.60, in July and August, 1897. By June last the price had advanced to $2.90.

As already stated, the period covered by the diagram was from January 1, 1892, to June, 1899. Since June last there have been material advances in all the lines named. Wire nails, for instance, are quoted at $2.50 f.o.b. Pittsburg, and cut nails at $2.20, while Bessemer pig is up to $20.75.

These advances have not been altogether uninfluenced by trusts, but the extraordinary nature of the demand and the unusual difficulty experienced in supplying it have been all-important factors in bringing about the high range of values now ruling.

THE LEAD ORE DUTY QUESTION.

The duty on lead ore is still a live question in British Columbia. At the second day's session of the Eastern British Columbia Board of Trade, which met in Rossland on Friday last week, the chief interest of the day was centred on resolutions regarding this subject.

G. O. Buchanan, of Kaslo, advocated an arrangement by which lead ores, the product of the United States or Canada, would be made reciprocally free of duty between the two countries.

W. H. Aldridge, manager of the Canadian Pacific smelter, desired the passing of a resolution asking that lead smelted in Canada and refined in bond abroad should be admitted free of duty, and that the import duties on manufactured lead should be increased.

A resolution was passed asking that the Government and its Commissioners to the International Conference should make every effort to secure a reciprocal arrangement by which lead in bullion or ore would be admitted free to the United States markets, and that, in the event of failure to secure such an arrangement, Mr. Aldridge's motion would be the most satisfactory solution of the difficulty.

U. S. IRON EXPORTS.

Not only is the capacity of the iron and steel plants of the United States taxed to meet domestic requirements, but the export movement continues to expand.

A glance at some figures lately secured from the New York and Baltimore Customs houses makes this fact perfectly clear.

During the week ending July 29, the exports of steel rails from New York were 1,282 tons; pig iron, nil; steel bars, 52 tons, and steel billets, nil. In the week ending August 5, the exports of steel rails had increased to 1,952 tons and steel bars to 64 tons, with 4 tons of pig iron; no billets being reported. From Baltimore during the last week of July the only exports of iron material were 105 tons of steel bars, and during the first week of August 282 tons of this same material were shipped from the same port.

Since January 1 of this year to the week ending August 5, there were exported from both ports 65,951 tons of steel rails, 33,720 tons of steel bars, 6,556 tons of steel billets and 2,485 tons of pig iron, or a total of 108,712 tons of crude iron and steel material.

THE U. S. MINERAL INDUSTRY.

THAT the development of mining is as great as ever is evidenced from the statistics gathered by R. P. Rothwell, editor of the seventh annual volume of "The Mineral Industry; Its Statistics, Technology and Trade."

The report shows that the production of various ores in the United States in 1898 amounted to $433,659,141, as compared with $407,913,912 in 1897.

The greatest production was of coal. In 1898 $128,419,354 of bituminous and $81,445,937 of anthracite coal was produced, as compared with $120,013,372 of bituminous and $85,857,717 of anthracite in 1897. Clay products to the value of $58,470,543 were produced last year, as compared with $56,487,527 the year before. Crude petroleum ranks third, its production in 1898 being valued at $42,100,000, as against $39,372,000 in 1897. Iron ore shows a great increase, the values being $37,593,000 in 1898 and $30,941,000 in 1897.

The increase in the production of metals has been even greater than the output of ores. In 1898, $314,255,000 of metals were produced, as against $272,178,392 in 1897. The principal increases are in pig iron, gold, and copper. The pig iron output increased from $91,009,600 to $110,160,000; copper, from $55,351,000 to $63,129,047; gold, from $59,210,000 to $65,082,000.

Secondary mineral and chemical products are also being manufactured in increasing quantities in the United States. The principal of these is coke, of which $30,505,563 was produced in 1898, as compared with $23,203,920 in 1897.

WILL BRITAIN HAVE A PIG IRON FAMINE?

THERE has been a great deal of talk lately in regard to a possible pig iron famine in Great Britain.

A good many do not, however, look upon this possibility with much seriousness. The Iron and Steel Trades Journal, of July 29, for instance, in referring to the fact that the shipments from Connal's stores at Glasgow had brought the total down to 301,829 tons, a decrease of 14,000 since the beginning of the year, remarks: "In attempting to prove that there is an iron famine, we get no supporting testimony from the position of the Glasgow stocks."

In The Birmingham Daily Post of a recent issue is a letter from a correspondent signing himself "Ironmaster," in which he takes strong grounds against the idea of a shortage in pig iron.

"I desire," he says, "through your columns, to raise a word of protest against the continual increase in the price of iron, and pig iron especially. We see constantly in the papers statements of the extreme scarcity of pig iron, steel, and coal. So far as this district is concerned, it is a pure myth. During a large part of last year, and until April of this, pig iron was extremely scarce, and no one could blame the makers for profiting thereby. To-day, it is not scarce. A visit to the distributing stations would reveal overstocked yards, users have large stocks, and it is only the fear of having old contracts canceled which induces them to accept the increased deliveries. Steel billets and blooms can be obtained at short notice, while it is well known that collieries are not working more than 3½ to 4½ days a week. And yet, prices keep advancing week by week. It is one huge game of bluff—a fear that if prices are not increased buyers will begin to take fright and the inevitable reaction begin. There is a large and healthy trade going on in the country, but if prices of iron continue to rush up in the present fashion consumers must restrict their requirements, and a trade at reasonable prices which might last for years will be sacrificed to the cupidity and shortsightedness of a few individuals. This result can already be seen in Scotland, where practically no new tonnage is being booked, and a similar state of things must soon spread over the rest of the country unless we are warned in time." We were under the impression that there really is an actual scarcity of pig iron in the Midlands, and that if every hole and corner were searched it would be impossible to find anything approaching the stocks in the warrant stores in Glasgow or on the Northwest Coast.

DOOR KNOBS 10 PER CENT. HIGHER

Porcelain, mineral, and jet door knobs have been advanced 10 per cent. in price by the Canadian manufacturers. The new prices under the lists of The Peterboro' Lock Manufacturing Co., Limited, and The Gurney-Tilden Manufacturing Co., Limited, are as follows:

Peterboro' Nos.	Gurney-Tilden Nos.		List Price
307	500	Rim, porcelain, japanned mountings	$1 00
306	501	Mortise, porcelain, japanned mountings	1 00
301	502	Rim, mineral, japanned mountings	1 00
300	503	Mortise, mineral, japanned mountings	1 00
337	504	Rim, jet, japanned mountings	1 00
336	505	Mortise, jet, japanned mountings	1 00
3507	506	Rim, porcelain, Berlin bronzed necks, ornamental roses	1 70
3506	507	Mortise, porcelain, Berlin bronzed necks, ornamental roses	1 70
3505	508	Rim, jet, Berlin bronzed necks, ornamental roses	1 70
3504	509	Mortise, jet, Berlin bronzed necks, ornamental roses	1 70
4507	510	Rim, porcelain, bronze-plated necks, ornamental roses	2 10
4506	511	Mortise, porcelain, bronze-plated necks, ornamental roses	2 10
4505	512	Rim, jet, bronze-plated necks, ornamental roses	2 10
4504	513	Mortise, jet, bronze-plated necks, ornamental roses	2 10
319	514	Rim, porcelain, nickeled-iron necks, brass roses	2 10
318	515	Mortise, porcelain, nickeled-iron necks, brass roses	2 10
339	516	Rim, jet, nickeled-iron necks, brass roses	2 10
338	517	Mortise, jet, nickeled-iron necks, brass roses	2 10
335	518	Rim, mineral, nickeled-iron necks, brass roses	2 10
334	519	Mortise, mineral, nickeled-iron necks, brass roses	2 10
2507	520	Rim, porcelain, real bronze necks, ornamental roses	3 85
2506	521	Mortise, porcelain, real bronze necks, ornamental roses	3 85
2505	522	Rim, jet, real bronze necks, ornamental roses	3 85
2504	523	Mortise, jet, real bronze necks, ornamental roses	3 85
509	524	Rim, porcelain, plain bronze neck and roses, square or round	3 85
508	525	Mortise, porcelain, plain bronze neck and roses, square or round	3 85
503	526	Rim, jet, plain bronze neck and roses, square or round	3 85
502	527	Mortise, jet, plain bronze neck and roses, square or round	3 85
507	528	Rim, porcelain, plain brass neck and roses, square or round	3 85
506	529	Mortise, porcelain, plain brass neck and roses, square or round	3 85
501	530	Rim, jet, plain brass neck and roses, square or round	3 85
500	531	Mortise, jet, plain brass neck and roses, square or round	3 85

Cases containing 12 dozen, 30c. each; cases containing 20 dozen, 40c. each.

Terms: 60 days net or 3 per cent. cash discount will be allowed if paid within 30 days from date of invoice—f.o.b. Hamilton, Toronto, Montreal, Peterboro' and London.

LANTERNS ARE DEARER.

An advance of 25 to 50c. per dozen is announced by the manufacturers under date of August 9.

Quotations are now as follows: Plain cold blast, $7.50 per doz.; ordinary, with "O" burner, $4.25 per doz.; "Dash Board," cold blast, $9.50 per doz.; No. 0, $6. Japanning is 50c. per doz. extra.

THE FIRMNESS OF SLEIGH BELLS.

A stronger feeling has developed in regard to the price of sleigh bells.

One manufacturer who was asked for quotations demanded an advance of 25 per cent. on figures obtaining six weeks ago.

Merchants who have already placed orders evidently stand to make money on their purchases.

Jobbers report that during the past week they have been in receipt of a number of inquiries for prices from retailers.

ANOTHER DROP IN SHOT.

Reference was made last week to the collapse of the agreement between the manufacturers of shot in Canada, and the consequent drop in prices.

Since then matters have not improved, and this week we announce a further decline in the price of the Toronto makers, making the total depreciation, since the agreement collapsed, $1.25 per 100 lb.

The price is now as follows: Ordinary drop shot, $4.75 per 100 lb.; chilled shot, $5.15 per 100 lb. f.o.b. Toronto. Terms are 3 per cent. cash, and freights are equalized on Montreal.

REGISTERS ADVANCE IN PRICE.

The manufacturers of registers in Canada announced, on August 10, an advance of 10 per cent. in the price of registers, the discount being 60 and 10 per cent. instead of 60, 10 and 10 per cent.

As far as can be gathered, comparatively few orders have been placed for registers. Consequently, dealers will be compelled to pay the advance for the bulk of their supplies.

Those who ordered registers when they ordered furnaces are fortunate.

THE BARGAIN COUNTER DELUSION.

A LOCAL organization, known as the Consumers' League of Chicago, has undertaken to show to the buying public the real conditions which exist in department stores.

Recently, Miss Annie Marion MacLean, of the University of Chicago, took a place as saleswoman in two such institutions, and her observations were published in the last number of The American Journal of Sociology.

Amongst other things said in this article, which speaks for itself, are these :

"The difficulty of finding employment was not so great as might be supposed. Owing to the holiday rush and the consequent need of large reinforcements to the original help, the employers were not insistent on experience as a requisite for the successful applicant. However, it was not until several visits had been made that I was promised a position at $3 a week. Work was to begin the following Monday, which would give me just two weeks of the Christmas trade. Employment being promised, it seemed desirable to engage board in some home for workingwomen ; for the environment which such a place would provide gave promise of the best results. I was fortunate in finding a most satisfactory place not far from the heart of the city, and there I went as a workingwoman.

"This home is deserving of more than passing mention. It provides board and lodging, together with the use of pleasant parlors and library, to workingwomen under 30 years of age for $2.50 per week, if they are content to occupy a single bed in a dormitory. These dormitories are thoughtfully planned and accommodate from 10 to 15 each. A large proportion of the 65 residents were saleswomen, and they, in the course of conversation, gave me much useful information. All classes of girls were there, and most of them received very low wages."

On beginning work Monday morning, Miss MacLean found that one of the difficult things was keeping track of the prices, which were frequently changed during the day. The penalty for selling under price was immediate discharge, while selling above price met with no disapproval.

"Every morning there were special sales. Sometimes articles that had sold for $1 would be reduced to 98c., with much blowing of trumpets, while, again 25c. articles would be offered at a bargain for 40c. 'to-day only.' But we soon learned what things were to be 'leaders' from day to day, and the manager's brief instructions each morning were sufficient to keep us posted on the bargains. The charms of the bargain counter vanish when one has been behind the scenes and learned something of its history. The humor of it seemed to impress the clerks, for often knowing winks would be exchanged when some unwary customer was being victimized."

In this store no seats were provided for the employes.

"Oh, the weariness of the first morning ! The hours seemed days. 'Can I possibly stand up all day?' was the thought uppermost in my mind, for I soon learned from my companions that abusive language was the share of the one who was found sitting down. Later in the week I found this to be true. One of the girls who was well nigh exhausted sat a moment on a little table that was for sale—there was not a seat of any kind in the room, and the only way one could get a moment's rest was to sit on the children's furniture that was for sale on one part of the floor. The manager came along and found the poor girl resting. The only sympathy he manifested was to call out in rough tones : 'Get up out of that, you lazy huzzy ! I don't pay you to sit around all day !' Under such circumstances it is small wonder that the stolen rests were few. By night, the men as well as women, were limping wearily across the floor, and many sales were made under positive physical agony.

"The days in the store were much the same, with their endless fatigue. At times the rush would be great ; then again we would have nothing to do but stand around and talk. Thus we became surprisingly well acquainted in a short time. We talked about our wages and compared index sheets on every possible occasion. Some sold very little, and at the end of the week had no more than $3. The mental anguish of some of the girls, when they saw at night how small their sales had been, is impossible to describe. One may elect to become a worker, and endure the hardships of the toil, and live the life of the laborer, and receive the same starvation wages, but he can never experience the abject wretchedness of not knowing where to turn when the last dollar is gone. Three dollars a week to a girl alone in the city means starvation or shame."

Miss MacLean emphasizes the importance of bringing the saleswoman's wages "up to a point where she can live without the wages of sin."

"All the hardships of the shop girl's life fade into insignificance before this grave danger she has to face. Adequate support is the first necessity. Improved sanitary conditions and opportunity for rest may well take a second place. They can be secured by legislation ; the other must come from united action on the part of the buyers and the organization of the saleswomen themselves. The trades' union spirit should be fostered and the workingwomen taught the power of united effort."

HOW A TRADE PAPER HELPS.

Some time ago one of our successful business men in the supply line, when asked why he patronized trade papers so largely, to the neglect of other methods, made the following reply : "Men who do not read their trade papers are usually poor customers. If I sell them a lot of machinery they do not know how to use it, and report a failure, or we have to run after them, lose time and money to get them agoing, and make the sale stick. But those who read and are posted know how and succeed. Such men would not read circulars, if I were to mail circulars to them. They see my ad. regularly in the trade paper, and know I have an established business, and when they want anything in my line write me, and don't whine about prices, or what time they can get from others, buy, try, and have no trouble and pay the bill. Give me such a class of customers as I get by such judicious advertising all the time."—National Baker.

AUSTRALIAN HARDWOOD FOR CANADA.

A first importation of Australian hardwoods will arrive on the next Canadian-Australian steamer, the importer being Mr. Arthur P. May, the local hardwood lumber merchant. There are certain classes of hardwood grown in Australia which Mr. May thinks would find a useful field here, and, as practically all the hardwood used in the Province has to be imported, Mr. May has undertaken the present experimental order with the purpose of filling the requiremets of the local trade to the best possible advantage. Mr. May's enterprise is worthy of encouragement, and it is possible the result of having a free hand to exercise his enterprising turn. He has recently bought out his partner, Mr. W. G. Christie, and the firm of Christie & May is thus dissolved, Mr. May being now sole owner of the business.—The Province, Vancouver, B.C.

WIRE NAILS
TACKS
WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

THE BRITISH LEAD INDUSTRY.

IN 1856 the production of lead ore in the Kingdom amounted to 101,997 tons, yielding 73,000 tons of pig lead. In subsequent years the output of lead ore steadily decreased, but in 1869 and 1870 the actual production of pig lead exceeded slightly the 1856 figures, owing to the richer character of the ore mined. In 1856 the average yield of 100 tons of ore was 71½ tons of pig lead, but in the years 1869 and 1870 the average was over 75 tons. In recent years the mineral statistics return only the tonnage of the ore raised, and this has fallen from 98,000 tons in 1870 to 72,000 in 1880, to 45,000 in 1890, and to 35,000 in 1897. Thirty years ago our imports of lead were averaging 65,000 tons a year, now the import from Spain alone is usually about 100,000 tons, and altogether we import 170,000 tons. The once world-renowned "W.B." Beaumont Lead Works, Allendale, Alston Moor, Cumberland, have recently been the scene of a dismantling sale, and the auctioneers have for four days been busy selling without reserve everything remaining at what was for many years one of the most important lead mining and smelting centres in the world. The "W.B." brand of pig lead was formerly the recognized standard for the best English lead, and for instance, in 1873, the average price of "W.B." was £24 7s. 8d., against £23 6s. for ordinary English pig. In 1852 one-sixth of all the lead produced in the country come from the mines in Allendale and Weardale, and here the fortunes of the Fenwicks, the Blacketts, the Beaumonts and other leading families in the north were largely augmented. We note that in 1894 we imported over 160,000 tons of pig and sheet lead at a cost of £1,500,000 in 1894, and £1,600,000 in 1895. In 1872 we paid £1,500,000 for 70,000 tons of lead imported, and though prices were in that year much above the average the fact cannot be ignored that the decline of our own industry has been accompanied by a larger supply at a very much lower price per ton. In 1876 we imported 80,000 tons of lead and it cost just £1,750,000. Twenty years later, in 1896, we received more than double the quantity of lead and it cost us only £100,000 more money. We get 100 per cent. more lead for 5 per cent. more money. The "W. B." works have passed away and lead mining as a British industry has lost its relative importance, but the trade of the country as a whole has lost little and gained much by the change.—Iron and Steel Trades Journal.

GUELPH IRON AND STEEL CO.

The Guelph Iron and Steel Co. are now running full blast, with over 60 hands, and are turning out 25,000 lb. of finished iron every day. The iron is shipped to Woodstock, Toronto, London, and all points east and west.

The mill has been greatly improved since Messrs. White and Kloepfer have taken hold of it. At present a switch is about completed from the Guelph Junction into the mills, to ship their product.

On Wednesday a new squeezer, weighing 45 tons, was brought down, and will be placed in position as soon as possible.

Two more furnaces will be put in immediately—a puddling and a heating furnace, and pair of big shears, which are being made in London. These shears will cut a piece of boiler plate 7 feet long, from ½ to ¾ inches in thickness.—Guelph Daily Mercury.

FORETHOUGHT

in business won't permit cheap paint selling. Forethought looks ahead to ultimate and lasting success, and you can't build that by selling cheap paint.

It takes the high quality of **S.W.P.** to increase your sales steadily, year after year.

The result of wise forethought itself, **S.W.P.** combines everything needed to bring success. Its great durability, beauty and economy give satisfaction to the house owner. Its easy working qualities, great covering capacity, honest measure and strict purity satisfy all the demands of the painter. Our methods of pushing its sale will satisfy you.

Paint-making and paint-marketing with us are the result of over 30 years' experience The position we hold to-day is due in great measure to our forethought in seeing that the best paint sells best.

THE SHERWIN-WILLIAMS CO.
PAINT AND VARNISH MAKERS.

Canadian Division :
21 St. Antoine St.,
Montreal.

CLEVELAND.
CHICAGO.
NEW YORK.
MONTREAL.
BOSTON.
TORONTO.

STOVES HIGHER IN THE MARITIME PROVINCES.

A meeting of the Maritime Stove Foundry Association was held in St. John, N.B., on August 3. The president, Joshua Peters, of Moncton, was in the chair, and there were represented the following foundries :

The Record Foundry Co., of Moncton—the president and Oswald Peters.

The Richmond Iron Foundry, of Halifax—James Hillis.

The Milton Iron Foundry Co., of Yarmouth—T. R. Crosby.

The Sackville Foundry, of Sackville—Chas. Fawcett.

The Amherst Foundry and Heating Co., of Amherst—J. A. Crossman.

The Enterprise Foundry Co., of Sackville—W. B. Dixon.

R. B. Emerson and W. S. Fisher, of St. John.

There was a long discussion over the prices of hollow-ware, which were arranged to the satisfaction of all parties.

The association placed on record a resolution setting forth that their rules have been carefully observed and have given every satisfaction.

It was determined to increase the price of repair castings to 6c. per lb.

In view of the increased cost of raw materials, the association decided to increase the price of stoves and other foundry products 5 per cent., the change to take effect at once.

After mature deliberation, the association decided that it would be in the interest of the retail trade generally if the retail dealers throughout the Maritime Provinces would organize local associations for mutual conference and a better understanding with reference to prices, etc. The members of the association express a willingness to lend every assistance possible towards this end which they voted to be so desirable.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

J. H. DIONNE, general merchant, Montreal, has compromised at 20c. on the dollar, cash.

J. B. V. Lemay, general merchant, St. Jude, Que., has assigned.

Z. Bourassa, sash and door manufacturer, Three Rivers, Que., has assigned.

Edward Winnett, boilermaker, Petrolea, Ont., has assigned to Charles Egan.

J. & P. Nadeau, general merchants, Grand Cascapedia, Que., have assigned.

C. E. Whitney, bicycle dealer, etc., Prescott, Ont., has assigned to James Clint.

Matthew W. Ridley, general merchant, Wales, Ont., has assigned to John G. Hay.

J. B. McNulty, general merchant, Ange Gardien, Que., has compromised at 50c. on the dollar, cash.

A. A. Jacques, general merchant, etc., Garthby, Que., has compromised at 30c. on the dollar, cash.

Thomas A. Shaw, general merchant, Thornhill, Man., has assigned in trust to Alex. B. Bethune.

Robert Robertson, general merchant, Burnstown, Que., has assigned to R. C. McNab. His creditors meet on August 11 in Renfrew.

PARTNERSHIPS FORMED AND DISSOLVED.

Derouin & Thibaudeau have registered partnership as roofers in Quebec.

Laurin & Smith, general merchants, Point Gatineau, Que., are dissolving partnership.

Copartnership has been registered by E. V. Cowan and W. H. Cassaboom under the style of Cowan & Cassaboom, general merchants, Rossway, N.S.

Crevier & Co., painters, Montreal, have dissolved, and partnership has been registered by Thomas Crevier and Frank Swail, under the style of Crevier & Swail.

SALES MADE AND PENDING.

May & McWhinnie have commenced business as roofers in Ottawa.

The stock of Bouchard & Turcotte, general merchants, Magog, Que., has been sold.

The assets of U. F. Drouin, hardware dealer, Quebec, are advertised for sale on August 11.

CHANGES.

M. Zeller & Co., hardware dealers, etc., Zurich, Ont., have been succeeded by Appel & Zeller.

E. Brosseau, general merchant, St. Albert, N.W.T., has sold out to Herbert & Perron.

Marie H. A. Tetreault has registered as proprietress of the business of Pierre Dennis, general merchant, St. Cesaire, Que.

A. Cameron & Co., general merchants and furniture dealers, Oak Lake, Man., have sold their furniture stock to R. J. Grey.

Adelard Grenier, blacksmith, Vancouver, has sold out to G. W. Shay.

O. B. Koenig, general merchant, Welland, Ont., has been succeeded by Abram Taylor.

G. A. Rockola, pumpmaker, Virden, Man., has sold out to —. McMillan, and is removing to Rossburn.

FIRES.

Paul Mullins, general merchant, Basteston, N.S., has been burned out ; loss estimated at $3,000 ; no insurance.

The stock and buildings of The Winnipeg River Trading Co., dealers in general merchandise, Whitemouth, Man., have been destroyed by fire ; insurance, $9,400.

DEATHS.

G. W. Crawford, sawmiller, Westfield, N.B., is dead.

A. E. Armstrong, dealer in oils, etc., St. John, N.B., is dead.

A GROWING CANADIAN INDUSTRY.

The main works of The Canada Paint Company, Limited, of Montreal, are particularly well adapted for the economic manufacture of paints and varnishes. Owning their own premises, situated on the Lachine Canal, in close proximity to the large transportation companies and main avenues of the city's commerce, the company command a large and growing trade. The Canada Paint Company, Limited's, factories are pronounced the most complete of their kind in America, inasmuch as they make all their supplies from the first processes. The number of packages shipped each day is almost incredible, and their world-wide reputation is the highest tribute to the quality of this company's products.

CANADIAN DISPLAY TABLES IN ENGLAND.

Hardwareman, Birmingham, of a recent date, has the following : "We hope that no ironmonger in the country will neglect writing to Boeckh Bros. & Company at 38 Wilson street, London, E.C., for a copy of a beautiful little pamphlet on a topic which must greatly interest every retail dealer, whatever line of trade he follows. Especially will it interest hardwaremen, for they can utilize the information both in using the goods and selling them. Ask for the pamphlet on the 'Canadian Display Tables.' It is a little gem of printing, and in a series of photographs are shown the multifarious uses to which these tables, or shelves—for they can be transformed in a twinkling from table to shelves or back again—can be put. There is nothing in the world like them for showing off goods of any kind. If anyone has any doubt about it, an examination of these photographs will convince them. A half-penny post card will get a copy of the pamphlet by return, and they can be furnished in quantities for the use of enterprising dealers who take up an agency for the goods. It is so genuinely good a thing that we press it on the attention of the trade."

George M. Wintermute and Wm. H. Jackson have opened bicycle shops in Vancouver and New Westminster under the style of The Wintermute Cyclery.

HONEST GOODS

IVER JOHNSON

Guns
Revolvers
Bicycles

HONEST PRICES

Send for Catalogue.

Iver Johnson's Arms & Cycle Works

FITCHBURG, MASS.

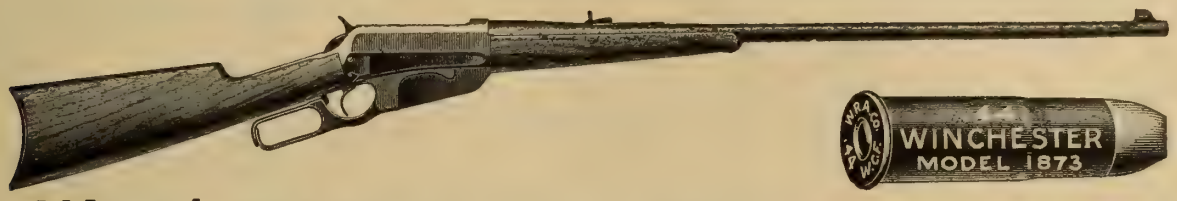
BRANCHES—
NEW YORK—99 Chambers St.
BOSTON—408 Washington St.
WORCESTER—304 Main St.

H. S. HOWLAND, SONS & CO.

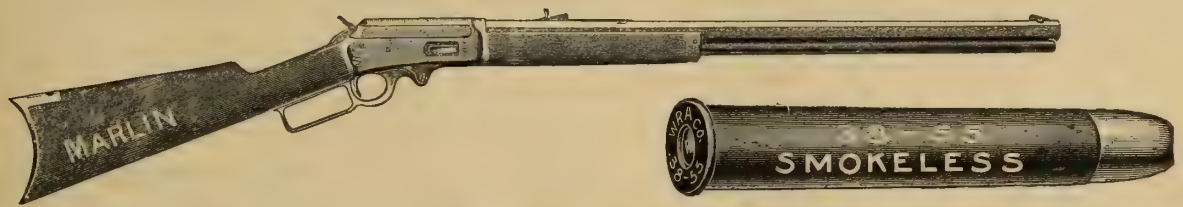
ONLY WHOLESALE

37-39 Front Street West TORONTO

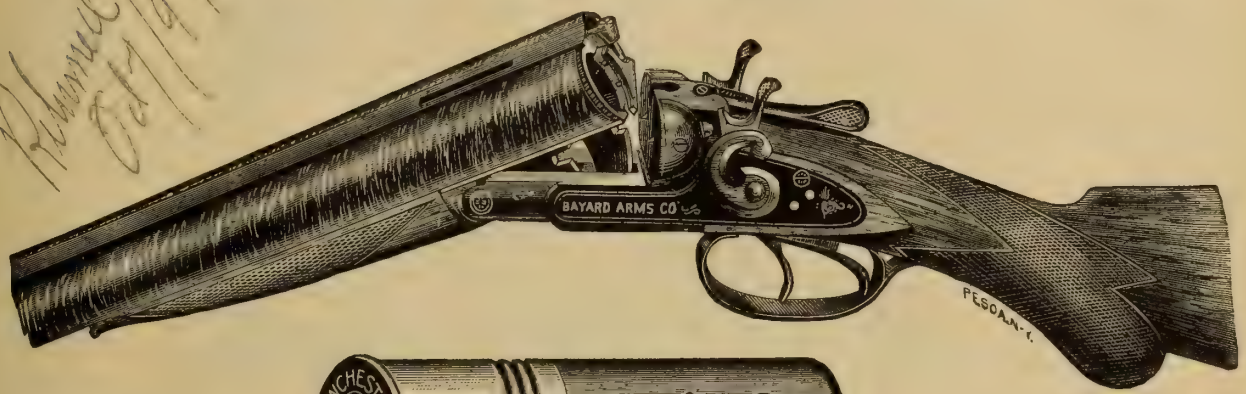
Revolvers, Flobert Rifles, Ammunition.



Winchester Repeating Rifles and Shot Guns.



Marlin Repeating Rifles.





Pieper's Breech-Loading Guns.

10, 12 AND 16 GAUGE

RELOADING TOOLS, SHOT POUCHES, POWDER FLASKS.

American Deadshot, 25-lb. Kegs. **POWDERS** **Schultze Smokeless,** in ½-lb. Tins.

Loaded Shells, Shot, Wads and Caps.

H. S. HOWLAND, SONS & CO., Toronto.

Order Solicited. Graham Cut and Wire Nails are the Best. **Our Prices are Right**

MANITOBA MARKETS

WINNIPEG, Aug. 7, 1899.

THIS market is firm and active in all lines. There have been a few changes during the week, and all in the lines of advance. Pressed tinware, plain, retinned; solder, ingot tin, screws, flathead, bright, are the articles affected. The fall stove trade is beginning to move a little. The demand for binder twine continues good. We quote:

Barbed wire, 100 lb	$3 75
Plain twist	3 75
Staples	4 25
Oiled annealed wire, 10	3 16
" 11	3 22
" 12	3 35
" 13	3 40
" 14	3 50
" 15	3 60
Wire nails, 30 to 60 dy, keg	3 35
" 16 and 20	3 40
" 10	3 50
" 8	3 65
" 6	3 70
" 4	3 90
" 3	3 85
Cut nails, 50 and 60 dy	2 65
" 20 to 40	2 70
" 10 to 16	2 75
" 8	2 80
" 6	2 85
" 4	3 15
" 3	3 40
" 3 fine	3 70
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No. 1	4 25
No. 2 and larger	4 00
Snow shoes, No. 0 to No. 1	4 70
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 70
No. 2 and larger	4 45
Extra light	4 65
Bar and band iron, $2.50 basis.	
Swedish iron, $5 basis.	
Tool steel, Black Diamond, 100 lb	8 75
Jessop	12 75
Sheet iron, black, 10 to 12 gauge, 100 lb.	3 25
14 to 26 gauge	3 50
28 gauge	3 60
Galvanized American, 16 gauge	4 25
18 to 22 gauge	4 50
24 gauge	4 75
26 gauge	5 00
28 gauge	5 25
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 55
26 gauge	8 80
28 gauge	8 00
Tinplate, IC charcoal, 20 x 28, box	9 50
" IX "	11 50
" IXX "	13 50
Ingot tin	36
Canada plate, 18 x 21 and 18 x 24	3 25
Sheet zinc, cask lots, 100 lb	8 50
Broken lots	9 00
Pig lead, 100 lb	4 25
Wrought pipe, black up to 2 inch	50 p.c.
" Over 2 inch	50 and 10 p.c.
Rope, sisal, 7-16 and larger	11 50
" ⅜	12 00
" ¼ and 5-16	12 50
Manila, 7-16 and larger	13 00
" ⅜	13 50
" ¼ and 5-16	14 00
Solder	20
Cotton, all sizes, lb	15
Axes, per box	$5.50 to 8 00
Screws, flat head, iron, bright..75, 10 and 7½	p.c.
Round " "	70 and 10 p.c.
Flat " brass	70 and 10 p.c.
Round " "	65 p.c.
Bolts, carriage 5-16 and smaller	50 p.c.
⅜ and larger	45 p.c.
Machine	45 p.c.
Tire	60 and 10 p.c.
Sleigh shoe	65 p.c.
Rivets, iron	37½ p.c.
Copper, No. 8, lb	33½c.
Spades and shovels	
Harvest tools	62½ p.c.
Axe handles, turned, s. g. hickory, doz	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 65
No. 1	1 25
Linseed oil, raw, per gal	61
" boiled "	64
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	25 p.c.
" military	15 p.c.
American R.F.	35 p.c.
C.F. pistol	5 p.c.
C.F. military	Net.
Loaded shells, Robin Hood, M	$20 00
Eley's soft, 12 gauge	15 00
chilled, 12 guage	16 50
soft, 10 guage	20 00
chilled, 10 guage	21 00
American, M	16 25
Shot, Ordinary, per 100 lb	6 50
Chilled	7 00
Powder, F.F., keg	4 75
F.F.G.	5 00
Robin Hood	10 00
Tinware, pressed, retinned	70 and 2½ p.c.
" " plain	70 and 15 p.c.
Graniteware, according to quality	60 and 10 p.c.
Turpentine, by barrel	72c.
Less than barrel	77c.

CANADIAN GOODS WANTED FOR AUSTRALIA.

HARDWARE AND METAL, this week, received a visit from Mr. C. Bowes-Thistlethwayte, of Sydney, New South Wales.

Mr. Thistlethwayte believes that Canada can materially increase her trade with Australia in manufactured goods, and his special object in visiting this country is to secure agencies.

"I believe," he said, "that it is possible for Canada to do a good business with Australia in a good line of manufactured goods. But, of course, they will have to make the price right. And, furthermore, care must be taken in packing, etc."

Mr. Thistlethwayte appears to be an energetic as well an intelligent man, and is no novice in the hardware trade.

Should any manufacturers or merchants desire to correspond with Mr. Thistlethwyte, they can do so in care of HARDWARE AND METAL, Toronto.

THE MICA TRADE.

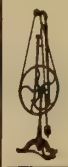
England, Germany and the United States, according to The New York Journal of Commerce, continue to be the chief markets for the output of the mica mines of Bengal, which are still the main source of the world's supply. From Madras and Calcutta, 1,432,000 lb. of mica were exported last year, as compared with 150,000 lb. sent from Canada. An official examination of the Hazanbagh and Guya mica mines has recently been made by the British Government experts, who report that 5,587 people find employment, and that the exports by sea are about 50 per cent. of the total production. This examination, it is believed, was undertaken in consequence of recent discoveries in this country, which, should they prove practicable, will open up a new and probably an extensive market. Mica is being largely consumed every year, and the trade is in a fair way to assume large proportions. India is said to be a country where mica is abundant.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY MONTREAL.



COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps, Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS
BALL BEARINGS
Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA



COATES' CLIPPERS
HAND AND POWER, easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel, and will not heat. 1899 catalogue ready.
Coates Clipper Mfg. Co.
WORCESTER, MASS



Pullman Sash Balance Co.
Makers of the
"Pullman" Hardware Specialties
Main Office and Works,
Rochester, N.Y., U.S.A.
On sale all round the globe.

Size, ⅜-inch.



Cheapest IN THE WORLD.
J. M. LITCHFIELD
458 Quincy St., Brooklyn, N.Y.

The Toronto Patent Agency
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CAPITAL - $25,000

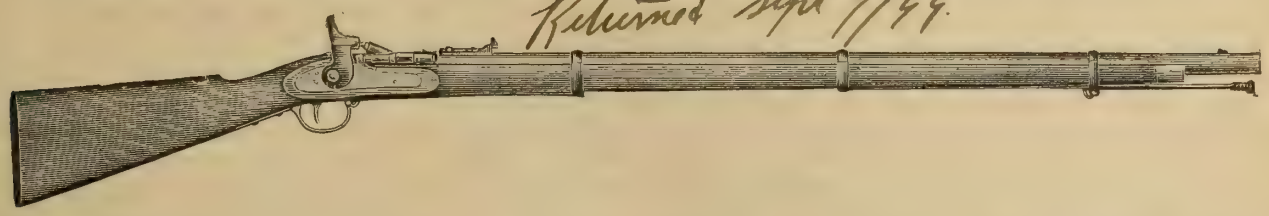
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Short Snider Rifles



We offer a limited number of these rifles, complete with Sword Bayonet and in good serviceable condition, as follows:

In case lots (20 in a case), each - - **$3 50**
Less than case lots " - - **4 50**

Net cash f. o. b. Montreal. Quotations for Ball or Shot Ammunition on application.

Lamplough & McNaughton

59 St. Sulpice St. **Montreal.**

Use Syracuse Babbitt Metal

IT IS THE BEST MADE

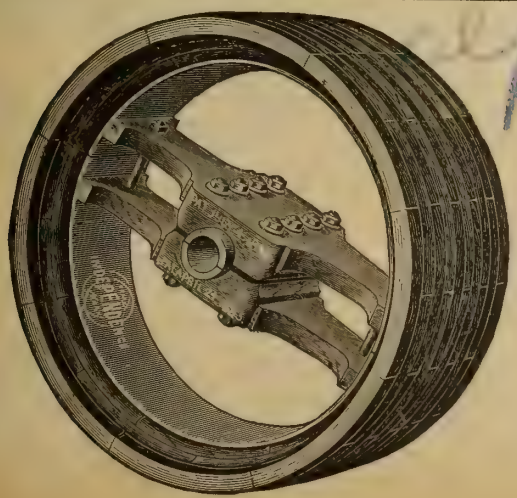


For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds **Machinery Bearings.**

PIG TIN, LEAD, INGOT, COPPER, BRASS, NICKEL, ALUMINUM, ZINC SPELTER, ANTIMONY, ETC., FURNISHED PROMPTLY.

Factories: 332 William St., MONTREAL, QUE. and SYRACUSE, N. Y.

Syracuse Smelting Works



Dodge

Standard Wood Split Pulleys

ARE USED BY EVERY MILL AND FACTORY IN CANADA.

Live hardware houses keep our catalogue and discount sheet at hand, and display our handsome hanger.

Ours is the largest and most complete Pulley Works in the Dominion.

DODGE MANUFACTURING CO.

of Toronto, Limited **TORONTO, ONT.**

WORKS: Toronto Junction. CITY OFFICES: 74 York St.

MICHIPICOTEN IRON DEPOSITS.

THE discovery of the extent and importance of the hematite or limonite deposits in the Michipicoten district seems to promise an enormous development in the iron smelting industry of Ontario. A realization of the immense area and valuable nature of the deposits has been obtained by the receipt of a 43-lb. sample of brown hematite at the Bureau of Mines, accompanied by an explanatory letter from Prof. A. P. Coleman, Provincial Geologist, who has been spending some time in the Michipicoten region.

The ore specimen in question contains 60 per cent. of iron, and it was taken from a deposit on the claim of Mr. E. V. Clergue, of Sault Ste Marie, which is about ten miles north of Michipicoten Post. The deposit, according to Dr. Coleman, has an area of 350 feet by 450 feet, although late exploration shows the length to be not less than 550 feet. The deposit rises to a height of 80 feet above the level of Lake Boya, into the waters of which it dips. So far as can be seen, Mr. Coleman says, most of the deposit is high-grade ore. It possesses all the characteristics of hard brown hematite, many of the specimens contained in it showing botryoidac forms, and a variety of beautiful colors. While the percentage of iron is high, there are only traces of sulphur and phosphorus. If the hill in which it appears is solid ore, which is almost certain, the quantity in sight above the ground line would be about 1,680,000 short tons, and if it goes to any distance below the ground line the quantity would be much more. The ore in sight alone, however, should produce 1,000,000 tons of pig iron, worth at the present United States price, $15,000,000.

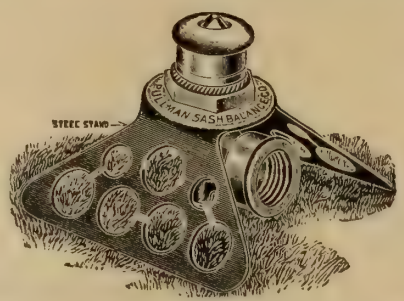
Dr. Coleman says none of the adjoining locations have any important ore bodies in sight, but the same formation runs through them as in the Clergue mine, to a greater or less extent. Mr. Healy, of Duluth, who recently acquired these properties adjoining the Clergue mine, thinks the prospects are very good.

To give an idea of the importance of the Clergue mine, it is sufficient to say that a blast furnace capable of smelting 200 tons per day, and working 300 days in the year, would occupy 28 years in smelting the ore in sight. As far as Director Blue, of the Bureau of Mines, is aware, it is the only important deposit of hard brown hematite in the country, and it very closely resembles the rich hematite ores supplied by Malta and Cuba. The deposit is so situated that the ore can be mined very cheaply—in fact, it can be mined as an open quarry, and very easily and cheaply handled. The distance from the mine to the water's edge at Michipicoten harbor is only 12 miles, and docks are to be constructed at the latter point, where it can be put on board and delivered to the furnaces at Midland, Hamilton, or Deseronto.

A railway is now in course of construction from Michipicoten harbor to the mines, which is expected to be completed in time to ship out a quantity of ore this season. A quantity of ore will be sent to the new blast furnace at Midland, and Mr. Clergue is preparing plans for a new blast furnace at Sault Ste. Marie.

THE "PULLMAN" LAWN SPRINKLER

The Pullman Sash Balance Co., manufacturers of hardware specialties, Rochester, N.Y., are placing on the market an improved lawn sprinkler, "The Pullman." The accompanying illustration shows its



design. The stand is made of enameled cold steel, the remainder of nickled bronze, so that there is no chance to rust, and as it has no ball, spring or other moving part, there is little chance of it breaking or getting out of order. It sprinkles evenly at all pressures, at the ordinary pressure covering 500 square feet with a pretty umbrella-shaped spray with a central jet. The stand can be removed and a strong pin attached for watering terraces and uneven ground where the stand could not be set level. The nozzle can be disconnected from the stand and attached directly to the hose.

INQUIRIES AND ANSWERS.

SLOT MACHINES WANTED.

A well-known firm in Canada write: "Can you, or any of your readers, tell us where in Canada we can get slot machines made. We know where they can be bought of foreign make, but we prefer those made in Canada?"

[Can any of our readers supply the desired information?—The EDITOR.]

BAMBOO FURNITURE.

In reply to a recent request in this column for the names of the manufacturers of bamboo furniture, A. E. Richard, Breslau, Ont., writes that he has been making furniture of this description since October, 1898.

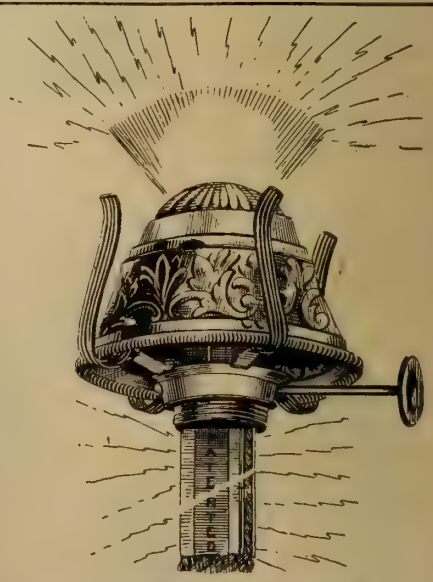
It was inadvertently stated in a former issue that the American Rattan Co. was situated at Walkerville. It should have read Walkerton.

STRIKES AND LOSSES.

When Mr. Carroll D. Wright was chief of the Massachusetts Bureau of Labor Statistics he compiled some figures bearing on the losses caused by strikes and lockouts, says Bradstreet's. For instance, he discovered that between January 1, 1881, and June 30, 1894, the laborers of the country lost through strikes some $163,807,866, and that in the same period $10,000,000 were disbursed by labor organizations to keep the strike spirit alive among the discontented workers. Of course, the employers had to show up on the losing side as well as the employes, but it is significant that their loss amounted to something like $82,000,000. Whether the laborers made up for the losses after they had returned to work is not on record, but it is doubtful that anybody save the walking delegates profited by the disputes. These figures are timely, inasmuch as the strike fever seems to have had a tendency to become epidemic among unskilled workers within the past few weeks.

THE LITTLE THINGS.

See to the little things and the big things will take care of themselves, remarks a contemporary. The only way it is really possible to attend to little things properly, that is, if one desires to attend to them, is not to trust to the memory in doing the work, no matter how good it may be. A pad should be carried in the pocket; on this mark down whatever you may think of as soon as it occurs to you. One by one attend to the things recorded, and whenever something on the list has been attended to run a pencil through the memorandum.



This light we claim produces a steady incandescent light, double the value of ordinary and consumes less oil (C nad an preferred). Requires snuffing only once in two months—does not smoke—chimneys need no wiping. Positively without smell. Why? Because our automatic battery produces an electric current from the chemicals of the oil which carbonizes the wick, thus, the above results. Less explosive. Will fit any lamp. Sells at sight. Write for prices.

ELECTRIC PETROLEUM LIGHT CO.
TORONTO.

FOR SALE.

A NEW MARLIN RIFLE

Never been used. Just the Rifle for practice. Price $30. Will take $20.

19 Board of Trade, Montreal



STEEL LETTERS and FIGURES.

If your Jobber does not keep our steel letters and figures send to us direct, we make everything in steel stamps.

HAMILTON STAMP & STENCIL WORKS
Hamilton, Ont.

D. F. Jones Manufacturing Co. Limited, of Gananoque, Ont.

Established 1852.

Shovels
Spades
Draining Tools

TRADE MARK. J D.F.J.MF'G.CO.

Grain and Coal Scoops and Miners' Shovels

The only Canadian manufacturers of Plain Back Shovels and Spades **THAT ARE SOLID,** without weld, and graduated from socket to point, and from centre to sides, of blades.

All our goods have trade mark on the handle.

CAPITAL CITY BUSINESS COLLEGE.

A. M. Grimes, M.A., Principal.

Shorthand, Bookkeeping, Penmanship, Telegraphy, Business Correspondence and Proofreading. Pitman's or Munson's Shorthand, per month, $4 00. White's Phonography, per month, $8.00. Telegraphy, per month, $8 00. Bookkeeping and Business Practice, per course, $35,00. Bookkeeping and Business Practice, per month $5.00. Penmanship, per month, $3.00. Night School, per month, $3.00. Private Lessons, each, $1.00. Address, A. M. GRIMES, Principal, Cor. Bank and Sparks Sts., Ottawa.

Buy the Best.



HERCULES

Sash Cord.

Star Brand Cotton Rope
Star Brand Cotton Clothes Lines
Star Brand Cotton Twine

For Sale by all Wholesale Dealers

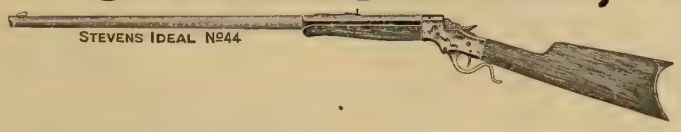
FOR YOUNG CANADIANS.

Don't wait until the iron's hot,
But make it hot by muscle.
Don't wait for the wealth your father's got,
Take off your coat and hustle.

What a year 1900 is to be! What a time for the young Canadian hustler—the rapid stenographer, the expert bookkeeper and the nimble telegrapher! They will all be wanted just as surely as that bright year is coming around. A start now will put you with the successful ones, and we can start you aright. Will you send us your name and let us tell you how? It is no trouble to us, and will benefit you.

W. H. SHAW, Prin. CENTRAL BUSINESS COLLEGE, Toronto, Ont.

STEVENS IDEAL, NO. 44



This is as reliable and accurate a rifle as can be constructed. Placed at a moderate price to meet the demand for such a rifle. It is recommended without qualification and fully guaranteed. Made in the following styles:

.22 Long-Rifle R. F., 25 Stevens R. F., and .32 Long R. F. Standard length of barrel for rim-fire cartridges, 24 inches. Weight 7½ pounds.

.25-20 Stevens C. F., .32-40 C. F., .38-55 C. F., and .44-40 (.44 W. C. F.) Standard length of barrel for center-fire cartridges, 26 inches. Weight, 7¾ pounds.

Half-octagon barrel, oiled walnut stock and fore-arm, rifle butt, case-hardened receiver, sporting rear and Rocky Mountain front sight.

Price, with standard length of barrel, $13.00.

Can be obtained of any of the leading jobbers in Canada at liberal discount from this price.

Send for complete catalogue of our full line of Rifles, Pistols and Machinists' Tools.

J. Stevens Arms & Tool Co., P. O. Box 217, Chicopee Falls, Mass., U.S.A.

Have You seen our New Catalogue yet?

It contains 175 pages, illustrated, telling you all about our

BRUSHES BROOMS and WOODENWARE

ETC., ETC.

We manufacture the best goods at the lowest cost and you run no risk in handling them, as we guarantee every Brush or Broom we send out branded "Boeckh."

If you have not received a Catalogue yet, write us and it will be mailed for the asking.

Boeckh Bros. & Company

TORONTO

Branches at Montreal, Winnipeg and Vancouver.

MARKETS AND MARKET NOTES.

QUEBEC MARKETS.

MONTREAL, August 11, 1899.

HARDWARE.

BUSINESS in general hardware has not been active, but the strength in all lines continues unabated. Barbed wire and smooth wire contribute a small movement, and both are firm. Wire nails are held 10c. dearer, while cut nails are unchanged, the movement in both ruling moderate. Horse nails and horseshoes are quiet, but firm as regards value. Screws are steady at the rise with a fair inquiry, and the movement in bolts, nuts, etc., also continues quite noticeable. Rope is quiet, and wringers, sporting goods, etc., supply nothing of a striking nature.

BARBED WIRE — Business is quiet and prices are firm. At the factory the base price is $3 f.o.b., but in a jobbing way $3.10 to $3.15 is the range.

SMOOTH STEEL WIRE—With the exception of moderate inquiry for bay-bailing wire, business is quiet. The base price is steady at $2.85 f.o.b. factory for No. 9.

GALVANIZED WIRE — A moderate demand is experienced and prices are unchanged on the basis of $3 for No. 9.

FINE STEEL WIRE—Trade quiet and discounts the same: 20 per cent. off list.

BRASS AND COPPER WIRE — Much the same, at 50 and 2½ per cent. off on brass, and 45 and 10 per cent. on copper wire.

FENCE STAPLES—Unchanged: $3.05 for bright and $3.65 for galvanized per keg of 100 lb.

FINE STAPLES—Quiet and steady. Discounts are: Cooper, 55; poultry netting, 45, and electrician, broom, bed, etc., 40 per cent. off.

WIRE NAILS—There is a fair trade doing in these, and prices are held firmer at $2.80 per keg for standard nails, while the miscellaneous list is 75 per cent. discount.

COPPER WIRE NAILS—Discounts on these are 50 per cent. off list.

CUT NAILS—A quiet trade is noted and prices are unchanged on the basis of $2.25 per keg f.o.b. the usual delivery points.

FLOUR BARREL AND COOPERS' NAILS—The former are 30 and the latter 35 per cent. off list, with a moderate inquiry.

BOAT NAILS — There is a moderate demand for these, and discounts on black and galvanized at 33⅓ per cent.

GALVANIZED ROOFING NAILS—The list price on these is 8c. per lb., with 15 per cent. discount.

PRESSED SPIKES — Are steady and unchanged at 30 per cent. discount.

HORSE NAILS — Trade now rules quiet. Discounts are 50 per cent. on standard and 50 and 20 on Acadia.

HORSESHOES —These are quiet and featureless. We quote as follows: Iron shoes, light and medium pattern, No. 2 and larger $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4; X L steel shoes, new light pattern, No. 2 and larger, $3.90; No. 1 and smaller, $4.15; featherweight, all sizes, Nos. 0 to 4, $5.15; and toe weight steel shoes, all forward, all sizes $6.25 f.o.b. Montreal, St. John, N.B., and Halifax, N.S. Delivered f.o.b. in Toronto, Hamilton, London and Guelph 10c. per 100 lb. extra.

SCREWS — There has been no further

Preserving Kettles

IT IS NOW that you should order your **Enamelled Preserving Kettles,** and save being disappointed later on, as in former years.

"Famous" AND *"Imperial"*



Enamelled Kettles . .

CAN ALWAYS BE DEPENDED UPON.

They are made from the best grades of special steel, and are coated with the best material.

ACID-PROOF

You run no risk in buying them.

The McClary Manufacturing Company

LONDON TORONTO MONTREAL WINNIPEG VANCOUVER

In galvanized iron, casual buyers are just as good as regular ones, when the business isn't too much for us.

Who, do you think, has to wait in such times as these?

Apollo Iron and Steel Company, Pittsburgh.

Cements { PORTLAND ROMAN KEENE'S

Bricks . . { FIRE BUILDING PAVING

Sand . . . { SILICA FIRE MOULDING BUILDING

F. HYDE & CO.

31 Wellington street, MONTREAL

English Castor Oil

GUARANTEED PURE.

Pharmaceutical, Tasteless, Cold Drawn
First Pressure
Second Pressure

In cases of 2 tins and in barrels. Stocked by all Hardware, Oil and Color men.

The Hull Oil Manufacturing Co.
LIMITED

B. & S.H. THOMPSON & CO.
Agents for Canada - MONTREAL

CANADA IRON FURNACE CO., Limited

Manufacturers of

CHARCOAL PIG IRON

MONTREAL.

BRAND "C.I.F." THREE RIVERS

PLANTS AT

Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.

Geo. E. Drummond,
Managing-Director and Treasurer

change in these. Discounts are: Flat head, bright, 80 and 5 per cent; round head do., 75 and 5; flat head, brass, 75 and 5; round head do., 67½ and 5.

BOLTS — A fair inquiry is noted. Discounts are as follows: Carriage bolts, 5-16 and smaller, 55 per cent.; ⅜ and up, 50 per cent.; full square bolts, 65 per cent.; machine bolts, 55 per cent.; coach screw bolts, 67½ per cent., and sleighshoe bolts, 72½ per cent.

NUTS AND WASHERS — In fair request. We quote: Square, 3¾c. and hexagon 4¼c. per lb.; discount off list. Washers in 50-lb. boxes are 50 per cent. discount.

RIVETS — There is a steady inquiry at firm prices. Discounts now are: Black and tinned, 45 per cent.; ditto burrs, 40 per cent.; copper rivets and burrs, 35 per cent.

CORDAGE—Demand is small, but values are firmly held. We quote as follows: Manila, 7-16 and up, 12c.; ⅜, 12½c., and ¼ and 5-16, 13c. Sisal, 10¾c. for 7-16 and up; 11¼c. for ⅜, and 11¾c. for ¼ and 5-16. Binder twine: Pure manila, 10½c.; 550 feet, 10c.; sisal, 500 feet, 9½c.

WRINGERS — Business is moderate, with prices steady at $48 to $60, as to brand, with 45 per cent. discount.

BUILDING PAPER—Trade is quiet and prices unchanged.

SPORTING GOODS—Business is quiet, with no new features to report this week.

CEMENT — Trade in cement has been more active, several round lots having been placed during the week. Advices from abroad continue very firm. We quote: Belgian, $1.90 to $2.10; English, $2.30 to $2.40, and German, $2.45 to $2.65, per cask ex wharf.

FIREBRICKS—An active trade is passing in firebricks, and prices are firmly held at $17 to $23 per 1,000, as to brand, ex wharf.

METALS.

The general strength in heavy iron and metals continues unabated, and there are few changes to report in the ruling features of the iron situation. Ingot tin has fluctuated somewhat, but is again cabled firm. Lead is rather firmer abroad than it was a week ago, and copper is also higher in London than it was this day week. Billets have advanced $1 the ton at Pittsburg, and the exceeding firmness in pig iron continues.

PIG IRON—This market keeps very firm, No. 1 Summerlee being quoted at $24 to $25 per ton. No quotation is obtainable on domestic pig iron. In Glasgow, warrants have advanced from 69s. 7d. last week to 70s. 5d. this.

BAR IRON—Business in bar iron is doing

TINPLATES

"Lydbrook," Best Coke,
"Allaways," Charcoal,
"Dominion Crown," Best Charcoal,

are brands that you can swear by.

A. C. LESLIE & CO.
MONTREAL.

FOX

All-Steel Sash Pulleys

THEY require no Screws—this means a saving of a gross of screws on every six dozen Pulleys.
THEY can be applied quicker than any other Pulley.
THEY are cheap, strong and durable.

NO NAILS JUST BORE — NO SCREWS FOUR HOLES

AIKENHEAD HARDWARE CO.
Toronto.

ADAM HOPE & CO.
30 JOHN STREET N.
Hamilton, Ont.

PIG TIN
PIG COPPER INGOTS
PIG LEAD
ANTIMONY
TIN, and CANADA PLATES

NOVA SCOTIA STEEL CO.
Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
Open Hearth Steel

steadily at $2, and, though a round lot might be shaded, it is doubtful.

BLACK SHEETS — There has been a further sharp advance in these of from 25 to 50c., the range now being: 8 and 16, $3; 18 and 20, $2.40; 22 and 24, $2.60; 26, $2.65, and 28, $2.70.

HOOP IRON—Firm at the rise, $2.60 to $2.70.

STEEL — Firm. We quote: Sleighshoe and tire, $2.50; spring, $2.75; machinery, $3, and toe calk, $3.

GALVANIZED IRON—Business is firm and prices are strongly held. We quote: Queen's Head, $4.55 to $4.80; Comet brand, $4.30 to $4.55, according to the size of the order.

INGOT COPPER —The quotation has advanced almost £1 in London on the week, but here we quote prices unchanged at 19½ to 20c.

INGOT TIN — The price outside has fluctuated more than usual, but at present it shows an advance on the low point of last week. On spot less than 35c. was accepted early in the week, but now that price is the inside figure, while for small lots 36c. is asked.

PIG LEAD — There has been an advance of 2s. 6d. on the spot price in London. Here values are unchanged at $4.25 per 100 lb.

LEAD PIPE—Unchanged. We quote as follows: Ordinary, 7c., and composition waste, 7½., with 20 per cent. discount.

IRON PIPE — In good inquiry, with prices unchanged. We quote as follows: Black pipe, ⅛ and ¼-inch, $3.12; ½-inch, $3.09; ¾-inch, $3.72; 1-inch, $5.14; 1¼-inch, $6.82; 1½-inch, $8.66 and 2-inch, $11.02. Galvanized pipe, ⅛ and ¼-inch, $5.64; ½-inch, $6.64; ¾-inch, $7.41; 1-inch, $10.12; 1¼-inch, $14.03; 1½-inch, $17.16, and 2-inch, $23.

TINPLATES — With backward deliveries and small stocks here, sellers this week marked up prices on coke 40c., and on charcoal 55c. We quote: Coke, I.C., $4.40; charcoal, I. C., Allaway or Comet brands, $4.80; do. I. X., $5.05; Lincoln, $5; P. D. Crown, $5.30; do. I. X., $5.80; Bradley's, $6.25.

CANADA PLATES — There has been another advance of 20c. in the price of these, and we now quote: 52's, $2.60; 60's, $2.70; 75's, $2.80; full polished, $3.25; galvanized Canada plates, $4.55 for 52's.

TERNE PLATE—There has been another advance of 25c. in these, to $7.50.

COIL CHAIN—Steady to firm. We quote: No. 6, 10¾c.; No. 5, 9¼c.; No. 4, 8¼c., and No. 3, 7¼c. per lb.; ¼-inch, $6; 5-16, $4.75; ⅜, $4.25; 7-16, $4.10; ½, $4; 9-16, $3.95; ⅝, $3.85; ¾, $3 65, and ⅞, $3.55 per 100 lb.

SHEET ZINC — Continues stiff at 7½ to 7¾c.

ANTIMONY—Steady at 10 to 11c.

SPELTER—Has been rather easy outside, but there is no change here from $7.

GLASS.

A fair trade is doing in window glass, and, though prices show an upward tendency elsewhere, the range here is still unaltered. We quote as follows: First break, $1.90; second, $2 for 50 feet; first break, 100 feet, $3.60; second, $3.80; third, $4.25; fourth, $4.50; fifth, $5; sixth, $5.50, and seventh, $6.

PAINTS AND OILS.

The main feature of the week has been an extraordinary rise in turpentine. Prices on liquid paints are well maintained, and a further advance in these is spoken of. The general movement in all lines is fair for the season. We quote:

WHITE LEAD—Best brands, Government standard, $6.00; No. 1, $5.62½; No. 2, $5.25; No. 3, $4.87½.

DRY WHITE LEAD—$4.75 in casks; kegs, $5.

RED LEAD—Firm; casks, $4.75; in kegs, $4.50.

WHITE ZINC PAINT—Pure, 8c.; No. 1, 6½c.; in oil, pure, 9c.; No. 1, 7½c.

PUTTY —We quote: Bulk, $1.65; bladders, in bbls., $1.80; bladders, in cases, $1.95; in tins, $2.05 to $2.30.

LINSEED OIL — Raw, 57c.; boiled, 58c., five to nine-barrels, 1c. less, ten and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—Single barrels, 72c.; two to four barrels, 71c.; two to four-barrel lots, 1c. less, five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Firm; $1 to $1.20 per gallon.

CASTOR OIL—Firm; 7½ to 8c.

SEAL OIL—35½ to 37½c.

COD OIL—35 to 37½c.

NAVAL STORES—Fair demand for all lines, and prices show no change: Resins, $2.75 to $4.50, as to brand; coal tar, $3 to $3.50; cotton waste, 4½ to 5½c. for colored, and 6 to 7½c. for white; oakum, 5½ to 6½c., and cotton oakum, 9 to 11c.

PARIS GREEN—250-lb. casks, 13½c.; 50-lb. drums, 14c.; 1-lb. packages, 15c.; ½-lb. packages, 16½c.; 1-lb. tins, 15½c.

PETROLEUM.

A fair trade is noted. We quote: Crown, Acme, the new Sarnia oil, 15½c.; Perfection and Silver Star Canadian refined, 14½c.; American prime white, 17c.; water white, 18c., and Pratt's astral, 19½c., in small quantities.

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.

'WELLINGTON' KNIFE POLISH

JOHN OAKEY & SONS, LIMITED

MANUFACTURERS OF

Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.

Wellington Mills, London, England.

Agent:

JOHN FORMAN, 644 Craig Street

MONTREAL

FOR SALE.

FOR SALE — BRANCH STORE — PLUMBING. Hardware, Stove, Furnace and Tinning Business, Established five years. Sales doubled in last year Only store of its kind within ten miles. Reasons for selling—Have all the business proprietors care to see to at their main store. $3,500 stock and fixtures. Rare chance for business man. Address, H. L. WHEELOCK Rock Island, Quebec. t.f.

29 Years. Established 1870. 29 Years.

SEASONABLE GOODS AT RIGHT PRICES.

Barbed Wire Fencing; Agricultural Implements; Bradley Tin; Builders' and Cabinet Makers' Hardware. **Special**—A full line of Tinsmiths' Tools and Machinery—latest improvements.

SEYBOLD, SON & CO. - MONTREAL.

Deseronto Iron Co.

LIMITED

DESERONTO, ONT.

Manufacturers of

Charcoal Pig Iron

BRAND "DESERONTO."

Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.



JOHN BOWMAN HARDWARE & COAL CO.

London, Ont.

For further supplies of **BINDER TWINE, write us.**

Shipment Prompt. Prices the Lowest.

HIDES.

Prices are steady. Lambskins, 40c. Beef hides, 9, 8 and 7c., while calfskins are 11 and 9c.

COAL.

Coal is very firm. We quote: Stove, $5.75; chestnut, $5.75; egg, $5.50; Scotch grate, $6; Scotch steam, $4 to $4.50; Tower ports steam, $3.50 to $3.75.

MONTREAL NOTES.

Canada plates have been marked up 20c. all around.

Wire nails here are held 10c. higher at $2.80 base f.o.b.

Billets have advanced $1 the ton on last week's basis at Pittsburg.

Turpentine has advanced sharply under a good demand and a short crop.

Black sheets have been advanced 20c. on all sizes and are firm at the rise.

Tinplates are 40c. higher for coke and 55c. for charcoal on the previous week.

Terne plates continue to stiffen, being 25c. higher than they were a week ago.

Lewis Bros. & Co. are in receipt of several cars of binder twine, and are offering special inducements to the trade. Persons wishing to buy will do well to consult them by letter before placing their orders.

ONTARIO MARKETS.

TORONTO, August 11, 1899.

HARDWARE.

THE wholesale hardware trade continues in a healthy condition this week. For this time of the year business is fairly active. The week has been characterized by further advances in prices. Porcelain, mineral and jet door knobs have been advanced 10 per cent. A similar advance is to be noted in registers. Lanterns are from 25 to 50c. per dozen dearer. A further reduction is to be noted in the price of shot. Some nice shipments for Manitoba and the Northwest are going forward this week.

BARBED WIRE—Trade is quiet and prices unchanged at $3.25 f.o.b. Toronto.

SMOOTH STEEL WIRE—There is very little doing in oiled and annealed wire, but a fair quantity of hay-baling wire is going forward. The base price is unchanged at $2.85 f.o.b. factory.

GALVANIZED WIRE — Trade is still only moderate in this line. We quote as follows: Nos. 6, 7, 8 gauge $3.40; No. 9, $2.90; No. 10, $3.50; No. 11, $3.55; No. 12, $3.05; No. 13, $3.15; No. 14, $3.90; No. 15, $4.50; No. 16, $4.65.

WIRE NAILS—Prices have advanced in Montreal, but the ruling base price here is still $2.75. In one or two instances, however, 5c. more than that figure has been obtained.

CUT NAILS — Continue quiet, at $2.25 f.o.b. Toronto, Hamilton and London.

HORSE NAILS — Very little doing. We quote: Standard, oval head, 50 per cent.; Acadia, countersunk head, 50 and 20 per cent.

HORSESHOES—The demand is still only moderate. We quote: f.o.b. Toronto, Hamilton, London and Guelph: No. 2 and larger, light, medium and heavy iron shoes, $3.60; snow shoes, $3.85; light steel shoes, $4.00; featherweight shoes, all sizes, $5.25. No. 1 and smaller, light, medium and heavy iron shoes, $3.85 per keg; iron snow shoes, $4.20; light steel shoes, $4.15; featherweight steel shoes, all sizes, $5.25.

SCREWS—Trade is still decidedly active at firm and unchanged prices. We quote as follows: Flat head bright, 80 and 5 per cent. off the list; round head bright, 75 and 5 per cent.; flat head brass, 75 and 5 per cent.; round head brass, 67½ and 5 per cent.; flat head bronze, 67½ and 5 per cent.; round head bronze, 62½ and 5 per cent.

BOLTS—An active business is to be noted in stove, carriage, and machine bolts. We quote: Norway bolts, full square, 65 per cent.; common carriage bolts, 5-16 and under, 55 per cent.; ditto, ⅜ and larger, 50 per cent.; ditto, full square, 65 per cent.; machine bolts, all sizes, 55 per cent.; coach screws, 67½ per cent.; sleighshoe bolts, 72½ per cent.; blank bolts, 55 per cent.; bolt ends, 62½ per cent.; nuts, square, 3¾c.; nuts, hexagon, 4¼c.; tapping nuts, 60 per cent.; tire bolts, 60 and 10 per cent.; stove bolts, 60 and 10 per cent.

RIVETS AND BURRS — Trade is fairly brisk. We quote: Carriage section, wagon box rivets, etc. (steel), 60 per cent. off the list; ditto (Norway iron), 55 per cent.; black M rivets, (steel) 60 per cent.; ditto (Norway iron), 45 per cent.; iron burrs, 40 per cent.; copper rivets, 35 per cent.; bifurcated, with box, $1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

ROPE—There is not much business being done, but prices are firm. We quote: Sisal, 7-16 in. and larger, 10½c. per lb.; ⅜ in., 11c.; ¼ and 5-16 in., 11½c. Manila, 7-16 in. and larger, 12c. per lb.; ⅜ in., 12½c.; ¼ and 5-16 in., 13c.; New Zealand, 9½c. per lb.; Deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 8¾c. Clotheslines, 48 feet, 90c.; 60 feet, $1.20; 72 feet, $1.50; 100 feet, $2.

CHURNS — Trade is moderate. We quote: Metal frame—No. 0, $3; No. 1, $3.20; No. 2, $3.40; No. 3, $3.75; No. 4, $4.50; No. 5, $5.90. The price of wooden frames is 15c. per churn less than the above. Terms, 3 per cent. off 30 days f.o.b. Toronto.

WRINGERS — Business is quiet, and travelers report that prices are being cut somewhat. We quote: "Leader," $60 per doz.; "Royal Canadian," $58; "Royal American," $48. Prices are all f. o. b. Toronto, Hamilton, Brockville, and Montreal. Discount, 45 per cent. Terms, four months, or 3 per cent. 30 days.

BUILDING PAPER—The movement is a little better than it was a week ago. Quite a few orders are in the houses from Manitoba and the Northwest for September shipment. We quote: Plain building, 28c.

per roll; tarred lining, 35c., according to quality; tarred roofing felt, $1.40 per 100 lb.; carpet felt, $2.25 per 100 lb.

CUTLERY — There is some talk of an advance in this line. Orders are coming in fairly well.

LANTERNS — Prices have been advanced 25 to 50c. per doz., and we now quote as follows: Plain cold blast, $7.50 per doz.; ordinary, with "O" burner, $4.25; "Dash-board," cold blast, $9.50; ditto, No. O, $6. Japanning 50c. per doz. extra. A good many lanterns are being shipped just now.

CEMENT — There is a brisk demand, and as the offerings of imported cement are moderate, the consumption of Canadian Portland is very large. In Toronto, fully twice as much of it has been used this season as last. Prices are unchanged. We quote in barrel lots as follows: Canadian Portland, $2.65 to $2.90; English do., $3; German do., $3.10; Belgian do., $2.70; Canadian hydraulic cements, $1 to $1.10; calcined plaster, $1.90; asbestos cement, $2.50 per bbl.

WARE — Enameled ware is going out freely. The season all through has been a good one in this line. In tinware, trade is quiet.

METALS.

The metal market continues strong, but we have no changes in local quotations to note this week. Business is unusually brisk for all kinds of metals.

PIG IRON—The market is still strong, and the demand good. We still quote: $21 f.o.b. furnace Hamilton.

BAR IRON—The demand continues active and the price firm at $2 base per 100 lb.

BLACK SHEETS—A fair business is still to be noted; 28 gauge is unchanged, at $3.10.

GALVANIZED IRON — Trade continues good, and remarkably so for this time of the year. A good many case lots have gone forward lately. We still quote 28 gauge at $5.

COPPER—The market rules steady, and local quotations are unchanged. The demand is good. We quote: Ingot tin, 20 to 21c. per lb. and sheet, 23 to 23½c. per lb.

PIG TIN—The demand is active. The London and New York markets at the time of writing are firm and higher. Locally, the price is unchanged at 37c. per lb.

TINPLATES — The demand is active, and it is difficult to get delivery. Stocks of tinplate in all sizes are small.

CANADA PLATES — Trade is good. Most of the import orders have been delivered during the past couple of weeks, and they will be about completed before the end of the month. Shipments are coming forward fairly well. We quote: All-dull, $2.75; half-polished, $2.85; all-bright, $3.20.

IRON PIPE — Business continues good and prices firm. Quotations on black pipe are: ¼ to ⅜ inch, $3.35; ½ inch, $3.40; ¾ inch, $4; 1 inch, $5.50; 1¼ inch, $7.35; 1½ inch, $9.25; 2 inch, $12.50; 2½ to 6 inch, discount off the list 45 per cent. Galvanized pipe is quoted as follows: ½ inch, $6.50; ¾ inch, $8; 1 inch, $11; 1¼ inch, $15.25; 1½ inch, $19; 2 inch, $27.

PIG LEAD — The market is firm. We quote: 4½ to 4¾c. per lb.

LEAD PIPE — Still dull. We quote: Ordinary pipe, 7c.; waste, 7½c. Discount, 20 per cent.

RANGE BOILERS—Trade continues good. We quote: Galvanized, 30 gals., $9; 35 gal., $10; 40 gal., $11. Copper, 30 gal., $22; 35 gal., $26; 40 gal., $30; discount off copper boilers, 10 per cent.

SHEET ZINC — Business has improved. Prices are unchanged at 8¼ for cask lots and 8½c. for smaller quantities.

SPELTER—Trade is good. We quote 7½ to 7¾c. per lb.

SOLDER—A good trade is to be noted. We quote: 21 to 22c. for half-and-half; 20 to 21c. for refined, and 18 to 19c. for wiping.

ANTIMONY—Still quiet at 11 to 11½c. for Cookson's.

SOIL PIPE—Trade keeps fair. Discount, 50 and 10 per cent.

PAINTS AND OILS.

A moderate business is being done. Gum shellac case quotations are reduced 4c.; otherwise a general firmness is noted. Turpentine is especially strong, an advance of 5c. this week following the rise of 3c. noted last week. The movement is light at present. No other features of interest are noted on the market. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $6.12½; No. 1, $5.75; No. 2, $5.37½; No. 3, $5; No. 4, $4.62½; dry white lead in casks, $5.10.

RED LEAD—Genuine, in casks of 560 lb., $4.90 to $5; ditto, in kegs of 100 lb., $5.15 to $5.50; No. 1, in casks of 560 lb., $4.75; ditto, kegs of 100 lb., $5.

LITHARGE AND ORANGE MINERAL—Litharge, 6 to 6½c.; orange mineral, 7½ to 8½c.

WHITE ZINC—Genuine, French V.M., in casks, $7 to $7.25; Lehigh, in casks, $6.

PARIS WHITE—90c.

WHITING — 55c. per 100 lb.; Gilders' whiting, 85c.

GUM SHELLAC—In cases, 20c.; in less than cases, 24c.

PLASTER PARIS — Ordinary, $1.75 per

LANTERNS **BURNERS**

Victor Bicycle Lamps.



Sheet Metal Goods.

Manufactured by

ONTARIO LANTERN CO., HAMILTON

TRENT CANAL.

NOTICE TO MANUFACTURERS OF AND DEALERS IN PORTLAND CEMENT.

The time for receiving tenders for Portland Cement is hereby extended up to 16 o'clock on TUESDAY, the 15th August, 1899.

By order,

L. K. JONES, Secretary.

Department of Railways and Canals,
Ottawa, 28th July, 1899.

Newspapers inserting this advertisement without authority from the Department will not be paid for it.

(32)

TENDERS FOR TELEGRAPH WIRE.

SEALED TENDERS, addressed to the undersigned, and endorsed "Tender for Telegraph Wire," will be received at this office until FRIDAY, EIGHTEENTH AUGUST, 1899, for the supply of three hundred and thirty thousand pounds, or one hundred and sixty-five tons (of 2,000 lb.), of No. 8 S.W.G. Galvanized Iron Telegraph Wire (354 to 356 lb. per mile), delivered in bond, at the C.P.R. station at Vancouver, B.C., within five weeks from the time the contract is awarded.

The quality of the wire and galvanizing must be such as will afford a test corresponding to the Felten-Guilleaume standard EBB; having a constant (resistance x weight, per mile) under 5,700; breaking strain over 1,100 lb.; and taking not less than 20 twists in six inches. Weight of lengths without joint, 90 to 112 lb.

Also, for delivery with the above, 10,000 lb. or five tons (of 2,000 lb.) No. 9 soft Annealed Galvanized Iron Tie Wire, the coils to be distinctively tagged.

Tenders to state the prices per 100 lb, all charges included, in bond, at Vancouver, as above.

Each tender to be accompanied by an accepted bank cheque for an amount equal to ten per cent. of the bulk sum of the tender.

The Department does not bind itself to accept the lowest or any tender.

By Order,

E. F. E. ROY,
Secretary.

Department of Public Works,
Ottawa, 2nd August, 1899.

Newspapers inserting this advertisement without authority from the Department will not be paid for it.

(32)

barrel; New Brunswick, $2 to $2.20 per barrel.

PUMICE STONE—Powdered, $2.50 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, $1 per gallon; No. 1 quality, 90c. per gallon.

SEAL OIL—59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9c. per lb. and 10c. for single tins.

LINSEED OIL — Outside western points (freight allowed): Raw, 1 to 4 barrels, 58c.; boiled, 1 to 4 barrels, 61c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE — Outside western points, freight allowed, 1 to 4 barrels, 73c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

The import orders which were noted last week as being on the way from Belgium have not yet arrived. There are about 2,500 boxes in the shipment. Meanwhile, the advance noted a week ago in stock glass is well maintained. We quote: Star, first break in 50-foot boxes, $2.15, and in 100-foot boxes, $4; double diamond under 25 united inches, $6, Toronto Hamilton and London; terms 4 months or 3 per cent. 30 days.

OLD MATERIAL

No change is noted. Prices are firm throughout. We quote as follows: Agricultural scrap, 55c. per cwt.; machinery cast, 60c. per cwt.; stove cast scrap, 45c.; No 1 wrought scrap, 55c. per 100 lb.; new light scrap copper, 12½c. per lb.; bottoms, 11c.; heavy copper, 15c.; light scrap brass, 7½c.; heavy yellow scrap brass, 10c.; heavy red scrap brass, 11c.; scrap lead, 2½c.; zinc, 3c; scrap rubber, 4c.; good country mixed rags, 65 to 75c.; clean dry bones, 45 to 50c per 100 lb.

HIDES, SKINS AND WOOL.

HIDES--A good business is being done at firm prices. We quote cowhides: No. 1, 8½c.; No. 2, 7½c.; No. 3, 6¼c. Steer hides are worth ½c. more. Cured hides are worth 9c.

SKINS—Deliveries are large. Prices are unchanged. We quote as follows: No. 1 veal, 8-lb. and up, 9c. per lb.; No. 2, 7c.; dekins, from 30 to 35c.; culls, 15 to 20c. Sheepskins are worth 90c. to $1, and lambskins, 35 to 40c.



76,800 Daily Production
5 Factories
5 Brands

For Sale all over the world.

16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of America.

NICHOLSON FILE CO., Providence, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited. Established 1773.

Manufacturers of **Polished, Silvered, Bevelled Chequered, and Rough Plate Glass.** Also of a durable, highly-polished material called "**MARBLETTE,**" suitable for Advertising Tablets, Signs, Facias, Direction Plates, Clock Faces, Mural Tablets, Tombstones, etc. This is supplied plain, embossed, or with incised gilt letters **Benders, Embossers, Brilliant Cutters, etc., etc.** Estimates and Designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow 12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glass, St. Helens." Telephone No. 68 St Helens.

WOOL—There is a good business still being done. Prices are unchanged. We quote fleece at 14 to 14¼c., and unwashed at 8 to 9c.

PETROLEUM.

The demand continues to improve. Prices are steady. We quote in barrels, Toronto, as follows: Canadian, 14c.; Sarnia prime white, 14c.; Sarnia water white, 15c.; photogene, 15½c.; American water white, 16½c.; Pratt's astral, 18c.

COAL.

A brisk demand is noted. Prices are well maintained. Anthracite for August delivery at Buffalo and bridges: Egg, stove and nut, $4.50 per gross ton, or $4.01 per net ton; grate, $4.25 per gross ton or $3.79 per net ton.

MARKET NOTES.

Lanterns are 25 to 50c. per doz. dearer.

The price of registers is 10 per cent. higher.

A further reduction has been made in the price of shot.

Porcelain, mineral, and jet door knobs have been advanced 10 per cent.

Another shipment of Pieper's breech-loading guns have been received by H. S. Howland, Sons & Co.

H. S. Howland, Sons & Co. are in receipt of another shipment of the "Cataract" insect exterminator machines. These machines are particularly adapted for poultry yards, cattle sheds, and gardens and orchards.

AMBITION.

IN order to make any progress in the world, a man must have ambition, says The Stoves and Hardware Reporter. Without that he can do nothing which is worthy of consideration. Men who have not possessed this characteristic, and who have consequently made great failures in life, have railed at fate, fortune, luck, and everything else under the sun, excepting themselves and their own incompetence. As a magazine writer once said, the old teaching represented life as a kind of battle-field, where each man fought out his individual conflict with contending forces to his eternal loss or gain, as the case might be; but the new teaching represented life as a kind of an infirmary where moral invertebrates helplessly accept whatever circumstances throw in their way, and bitterly complain because some power indistinctly defined has not given them just exactly what they want. It is well known that prosperity is always proportionate to the individual's powers, but it is also evident that those who have made a complete failure have been devoid of ambition, energy, or purpose. Work is effective in proportion as it is directed by an intelligent mind. The commonest tasks of the most mechanical order require thought and special effort to do them properly. It is this slurring over and shirking of simple things which makes it difficult for men to rise from mediocre positions to higher ones. While they are frequently ambitious to do something better, they are not conscientious enough to perform small tasks sufficiently well to entitle them to positions involving greater responsibilities. Ambition may have many forms, but may justly be defined when found in its highest type as a desire to be something more than one is. Years often bring to men opportunities which enable them to realize some of their aspirations, but it is better to be prepared when these opportunities do arrive. Healthy ambition is the kind that aims at perfection in all that it does. It is always striving for improvement. Its motto is "Elcelsior." Neither time nor adverse circumstances can destroy this ambition. It will raise a man from the lowest to the highest position if he has the proper stamina.

FOR SALE—TWO PIPE MACHINES, IN FIRST-class condition. Will be sold at a bargain. The Gurney Foundry Co., Limited, Toronto. (32)

Barrett's Glass Cutters Standard

Barrett's Practical Glass Cutters are the standard the world over.



Sold by more Hardware Dealers than all other makes combined. Send for prices and sample. W. L. BARRETT, Manufacturer, Bristol, Conn., U.S.A.

A CASH NOTICE.

The following is a copy of a circular sent out by a hardwareman in the Western States to his creditors :

We take this method of advising that on and after January 1, 1899, we will begin selling goods for cash only to any and all. We wish to state that this mode of doing business does in no way reflect upon your credit with us, for our past business relations together have been entirely satisfactory. The time has gone by for a merchant to demand large profits on his goods, and in selling on credit you necessarily help pay for the "other fellow" who never intends to pay. It costs us hundreds of dollars each year for a collector, postage and stationery, also an extra bookkeeper. We intend giving this saving to you in the price of goods that you purchase. There can be no doubt as to the success of this plan, as we purchase in quantities and pay cash. You make money when you buy for cash, and every article in our stock will be marked down to such a figure that you will readily see that you are getting goods for less than you ever bought them. A thousand and one different articles are marked down on a cash basis. You may say this is not the thing, on first thought, but kindly consider that, if we buy for cash in quantities, we can sell lower than our competitors. We will carry a full line of hardware, tinware, stoves, implements, wagons, wire, etc.—in fact, everything carried in an up-to-date hardware store.

If you want to make money, come and see us. We thank you very kindly for past patronage, and trust that you will still remain with us. Everyone is looking for bargains, and we guarantee that we have them.

Wishing you a merry Christmas and a happy and prosperous New Year, we remain,

Yours very truly,

———————.

THE PHILOSOPHICAL POKER.

A Poker, which, while rather slow, as shown by its name, could make a Grate Stir when it wished to, was at first very much hurt by the remark of an Ice Cream Freezer to the effect that in the next world Pokers would be found only in that place where Freezers were unknown. The Poker brooded for a while over the location of its probable future residence, and then said resignedly : "Well, one thing about it is certain : I have had a most uncomfortable life of it here in this world, being, as I am, continually poked into hot, burning coals. The change that is coming for me cannot be much for the worse."—Iron Age.

GOOD STATIONERY IN BUSINESS.

Nowadays, it is only those institutions in business life which have the capability of devising something out of the ordinary run of things, that achieve any pronounced success, remarks an exchange. The firm that runs along year after year, following the beaten tracks worn deep by the routine of business is reasonably sure to find its balance sheet showing an increasing deficit as time goes on, instead of a healthy growth. In other words, it is brains that move.

THE ABBEY IMPROVED CHILLED SHOT COMPANY, LIMITED, Newcastle-on-Tyne

All England Championship Cup, value £100, also stake £100, in all £200, on 7th December, 1898, the winner fired with our shot and writes us : "You will be pleased to hear I won the All England Championship Cup. **I fired with your chilled shot.** Indeed, I would not use any other, as I know from experience it makes the best patterns and kills best."

KNOX HENRY.

Heavy Hardware and Metal Broker

Room 220½ Board of Trade, MONTREAL.

SPECIALTIES—C Brand Horse Nails—Canada Horse Nail Co.

BOLTS—Tire and Stove Rivets of all kinds—Chalcraft Screw Co.

BRASS GOODS—Gunn Castor Co., Limited, Birmingham, Eng.

HARDWARE STOCK FOR SALE—ESTABlished twenty years on Main St., Winnipeg, Manitoba. Satisfactory reasons for selling. First-class stand with all modern fittings — unexpired lease. Apply to CAMPBELL BROS., Winnipeg, Manitoba. (tf)

1879 ESTABLISHED 1879

ESSEX HANDLE and WOOD TURNING WORKS.

Late of Essex, now LEAMINGTON ONT.

Makers of Axe, Fork, Rake, Hoe, Sledge, Broom, Hammer, and all kinds of Handles. Neck Yokes, Singletrees, and Doubletrees, Bench Saws, Exercise Clubs, Baseball Bats, etc., etc. Do you sell any Shaved Pattern and Octagon Axe Handles? The largest and best trade in Canada does, because they give best satisfaction. **All stock air-dried,** not kiln-dried. If you are going to be in it, place your order with

GARDNER BROS. & CO.

Hardwood CHARCOAL in Bulk or Sacks.

WOOD ALCOHOL equalling Methylated Spirits as a solvent.

Manufactured only by...

THE STANDARD CHEMICAL CO., Limited

Factories { Fenelon Falls. Deseronto.

Gooderham Building, TORONTO

PERFECTION AUTOMATIC REVOLVER.



NEW Automatic shell extracting, double action, small frame. Weighs 12 oz. Rebounding lock. 32 caliber. 5 shot.

Made with shorter barrel for bicycle use.

The most perfect small pistol made.

SEND FOR CATALOGUE.

Forehand Arms Co.

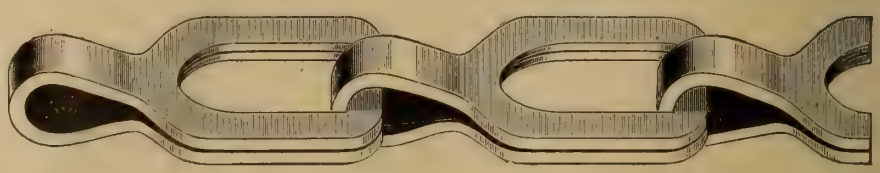
Manufacturers of the

Forehand Guns

Worcester, Mass.

AMERICAN COW TIES

WILL OUTLAST ALL OTHERS.



This is because the form of the link, the exact size and shape of which are shown above, is such that the wear is distributed evenly over its entire end. The bearing surface is thus very large, and the chain will wear for years without becoming worn appreciably.

With other styles of chain the bearing surface is only a very small portion of the extreme end of the link. Grooves are soon formed, and in a comparatively short time the links are worn—or, properly speaking, cut—through.

These facts are well shown on a cow tie recently brought us for repairs. It was an ordinary No 00 three chain tie. One chain was wire, the other two American. One of the wire links was worn entirely through. The others were nearly as bad—a strong pull would have broken almost any of them. With the American chains on the other hand, the wear was very slight, and hardly noticable—three times this amount would not have weakened the chains seriously.

In addition, because of its flat link and smooth surface, American chain is much easier for the neck of the animal than the twisted or wire chain. The American link cannot injure the animal's neck—other styles of link are very liable to.

American Cow Ties are made in all the standard patterns and sizes. They are sold by all jobbers.

ONEIDA COMMUNITY, Limited, NIAGARA FALLS, ONT.

A GREAT HELP TO RETAILERS.

IT is wonderful what good stationery will do, remarks The Keystone. A man may wear a ragged coat, have his toe kissing mother earth each time he steps, conduct his business in a "rusty" looking office, but if the letterheads and envelopes he sends to his correspondents are of excellent quality and workmanship, they immediately transform all the "realties" into broadcloth and mahogany. It cannot be otherwise.

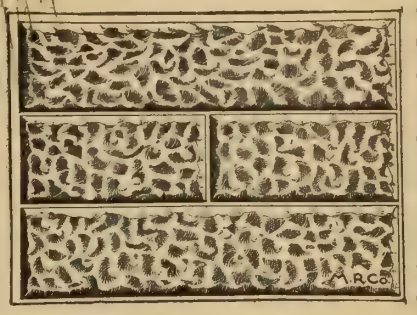
Good stationery is sure to make good impressions. It is sure to make the man that receives it think that the man who sent it is about the right thing. Elegance in stationery means influence in business. Half the world would have confidence in the man without a cent of capital upon which to conduct business if his correspondence was done on the right kind of letterheads. The other half of the world, if they lacked confidence, would nevertheless think that there was something behind the man using such stationery.

Stationery of correct style and quality will never cover up ignorance when displayed in spelling or writing. It will, however, discount these imperfections to this extent: Bad writing or spelling on good stationery will gain attention, and that promptly. Bad spelling and writing on bad stationery give the immediate impression that the writer is a "curious boy," and, 10 to 1, the letter is turned down. Not always, but I'd dislike to count the times such is the case. You will lose by cheap stationery.

BALL-BEARING DRAWERS.

The best things are very often the simple ones. Retailers all know how much trouble is often caused by drawers which stick, and when they don't stick they squeak, which means swearing and sweating—if not a church member. Sweating and swearing mean loss of energy, which may be avoided, says a contemporary, in the matter under consideration in the following simple way: "Secure a half-dozen good-sized marbles—just common playing marbles. Make three round holes in the end strip of wood supporting the drawer, one hole at each end of the strip and one in the middle. Drop your marbles into these holes. Tack a grooved strip of hardwood on the lower part of the drawer just above the marbles. You may then load your drawers down with cast iron and you will need only one handle on your drawer and two fingers on your hand to work the drawer back and forth. In fact, with ball-bearing drawers, as here described, the heavier and larger the drawer the easier it works.

For all kinds of Buildings



USE OUR STEEL SIDINGS.

We make **Rock-Faced Stone,** as shown, or **Pressed Brick.** Either makes a wonderfully durable and economical covering for new buildings, and for improving old ones.

They give a handsome effect—are easy to apply—are fireproof and keep out all dampness.

The reliability and small cost make these lines very popular. Find full information in our catalogue, or write us.

THE METALLIC ROOFING CO., Limited

1179 King St. West, TORONTO.

TRADE CHAT.

SOME of the Galt manufacturing firms, who have hitherto almost exclusively dealt with American iron and steel dealers, are now purchasing their supplies from Great Britain, not from the dictates of patriotism, or a desire for closer relations with those "at 'ome," but for a weightier reason—it is cheaper.—Guelph Mercury.

The Imperial Copper Co., Limited, Parry Sound, Ont., has been incorporated.

The Big Five Mining and Milling Co., Limited, Westville, N.S., is applying for incorporation.

The Sydney Coal Co., Limited, North Sydney, N.S., are advertising for all the claims against them.

The contracts for excavations and concrete foundations for the great steel and iron works that are to be built at North Sydney, N.S., have been let to Halifax, McManus and Moncton men. The figures are about $150,000.

The Kaslo correspondent of The Province, Vancouver, says: "George Williamson is starting the nucleus for a waterworks system in New Denver. He has applied for the right to use water from the springs back of the depot, and will connect the same with the town by a 1¼-inch pipe."

The Croft Acetytene Gas Co. through Thorne, Warren, and Starr, has submitted to the Toronto council an offer to install an acetylene gas plant on Toronto Island at a cost $7,000 less than the estimated cost of ordinary gas plant. The price is $15,000, which, with $13,000 for the piping, would make the total cost $28,000. It is claimed that the Islanders would thereby have cheaper gas, the plant would be safe, would require only two men to operate it, one for day and one for night, and that the only other expense would be the carbon from which the gas is generated.

The town of Edmonton is having a hard time securing a market site. The vote on the by-law for the purchase of the site on the brow of the hill just east of McCauley's stables was taken recently, and resulted in its defeat. The vote stood 71 for and 49 against, whereas a two-thirds majority was necessary to carry it.—Plaindealer, Strathcona, N.W.T.

The executive of The Canadian Manufacturers' Association at a meeting in Toronto the other day, passed the following resolution: "That this association regret the decision announced by the Premier, Sir Wilfrid Laurier, not to introduce at the present session a Dominion insolvency act, particularly as all representative classes of the manufacturing and mercantile community have desired legislation in that direction."

HE WANTS A FEW EXTRAS.

A Minnesota bicycle dealer, according to a contemporary, received the following from a farmer recently: "Dere Sur, I am in need of a few extres fur that there wheel. Yistiday she came down, and the wind all came out, the hoop partly come unglued from the wood, and I don't know ware the hole is, but I want some first-rate glue or wax; you no the best, my wheel is a single tube. Please send me a list of the different artickles. I have a catalogue here, but would rather bye of you, being closer to hum, if you can satisfie both partys. The hull wheel is sum bent, but I guess I can straten it out alrite. My geers is both 28 inches."

TRADE IN OTHER COUNTRIES THAN OUR OWN.

THERE has been considerable selling of Bessemer pig iron for the first six months of next year at $21, valley. For early delivery, considerably higher prices might be obtained, but very little iron comes out, and the large steel mills, which would be the main purchasers, realize the futility of coming into the market. It is a question with them of getting the iron which has been purchased and specified for, and, as long as deliveries are so far behind, the matter of buying for the last quarter is of no interest. Furnaces will end the year with a great deal of 1899 business still unfilled.—Iron Trade Review, August 10.

PIG IRON IN GREAT BRITAIN.

The quotations for pig iron continue to advance, and every week higher prices prevail in the markets for finished iron and steel. For delivery over the remainder of this year shippers of Rubio (Spanish) ore ask as much as 18s. per ton, c.i.f. Tees, and the Swedish Gellivare ore cannot be bought under 14s. Coke is certainly dearer, and is said to be scarcer than ever, and the advance in prices has not checked the continental demand for our pig iron. The cost of pig iron making has tremendously increased this year, but we do not suppose that the whole of the 50 per cent. put on to selling prices is absorbed by extra cost. It is more likely that the iron smelters are now making larger profits per ton of iron made than they have done since 1873, and while they have the field to themselves they are not likely to upset the market by running out more iron than the market will readily absorb at famine prices. A great deal is said and written about the scarcity of coke and its tremendous price, but coke was introduced into iron-smelting practice as an economy, and we know of no insuperable obstacle to the use of coal in iron smelting when it becomes necessary to revert to coal as fuel, because coke is too costly. It is the opinion of many competent observers that the price of pig iron here will continue at, or even above, the present level until we again attract supplies from the United States. In Cleveland, we know, under favorable conditions, No. 3 iron can be made for less than one-half the price at which it is selling to-day. At the prices ruling, directly a surplus is created in America, there will be a splendid market here for the iron.—Iron and Steel Trades Journal, July 29.

THE TIN MARKET FOR A WEEK.

Prices have fallen nearly 3c. per lb. in New York and about £8 per ton in London market during the past week. The decline seemed to have been in the nature of natural reaction from a most extraordinary advance, with more or less profit taking and not a little pressure upon values by operators who have been out of harmony with late upward movements in the market. A prominent feature was the transfer of a considerable quantity of tin from London to New York, partly in delivery on trades consummated some time ago, and preparations for additional shipments by following steamers. Naturally, consumers and dealers held aloof pending developments, and latterly did not bid within gunshot of sellers' figures, even for small quantities.

Towards the close there was a decided turn in the movements of large operators, some of whom bought freely late on Friday, paying 30⅝ to 30⅞c. for lots ex store and on vessels in port. They renewed their buying on Saturday, and had some company besides, under the influence of which 31c. was realized on actual sales. At the close no tin was on offer at less than 31c., and seemingly not a great deal at that price. At 31¼c. some might have been obtained.

The last official London quotations were £137 15s. for prompt delivery and £138 17s. 6d. for three months' futures on Friday, but private advices on Saturday quoted an advance of 15s. to £1 there, with active buying.—New York Journal of Commerce, August 7.

NEW YORK METAL MARKET.

COPPER—There was no sign whatever of any change in the favorable conditions that have existed for some time past. Deliveries continued heavy and involved all varieties of the metal, while more or less new business was effected at full prices, particulars of which were not divulged. This evidence of continued large consumption was accompanied by other unmistakable signs in the form of decided firmness in values, despite cautious buying by consumers and absence of speculative support. Lake Superior ingot sells readily at 18½c., and brings 18⅝c. in moderate quantities. Electrolytic bars, etc., go quite as well at 17¾c. Ordinary casting stock fetches 17½c. and up to 17¾c. is asked by smelters for some brands.

PIG TIN—London opened with 15s. rise on prompt delivery and £1 on three months futures, and brisk trading was reported in some cable advices. The later cables showed only slight reaction, and were without suggestion of change in the statue of the market. To a certain extent, New York prices moved sympathetically with the foreign quotations, but local conditions had some influence of their own in shaping values, and were mainly of a "bullish" nature. Business was reported at 32¼ to 32⅜c. for round lots, to moderate extent, and, at the close, 32½c. was the lowest price openly quoted by sellers, while 32⅝ to 32¾c. was generally asked.

PIG LEAD—For the day nothing distinctly new was reported here. Operations were of ordinary character and quite good volume, while offerings for early delivery continue light, with sellers firm on prices. Spot stock was at about 4.62½ to 4.65c.; August shipment, 4.60c., and September, 4.55c., delivered here.

SPELTER—Merely fair business is being effected here at the moment, and the demand is rather slow as well. Prices are firm, however, owing to the condition of affairs at the West, with 6 to 6⅛c. quoted for spot stocks, and 5.75 to 5.90c. for future shipments, according to position, delivered here.

ANTIMONY—Regulus remains steady at 9¾ to 11c., as to brand, and is selling very fairly in a jobbing way.

TINPLATE—Fair sales were reported of American cokes from second hands at about $4.45 to $4.50 f.o.b. mill for early shipment. The business would probably have been larger but for the fact that comparatively little stock was obtainable. Manufacturers are taking only distant future delivery orders, and continue tardy with shipments. In short, supplies are inadequate for business satisfactory to buyers, and prices are very firm.

IRON AND STEEL—All branches of the market remain in good position, with considerable business passing, and prices very firm throughout.—New York Journal of Commerce.

IRON PIPE IN THE UNITED STATES.

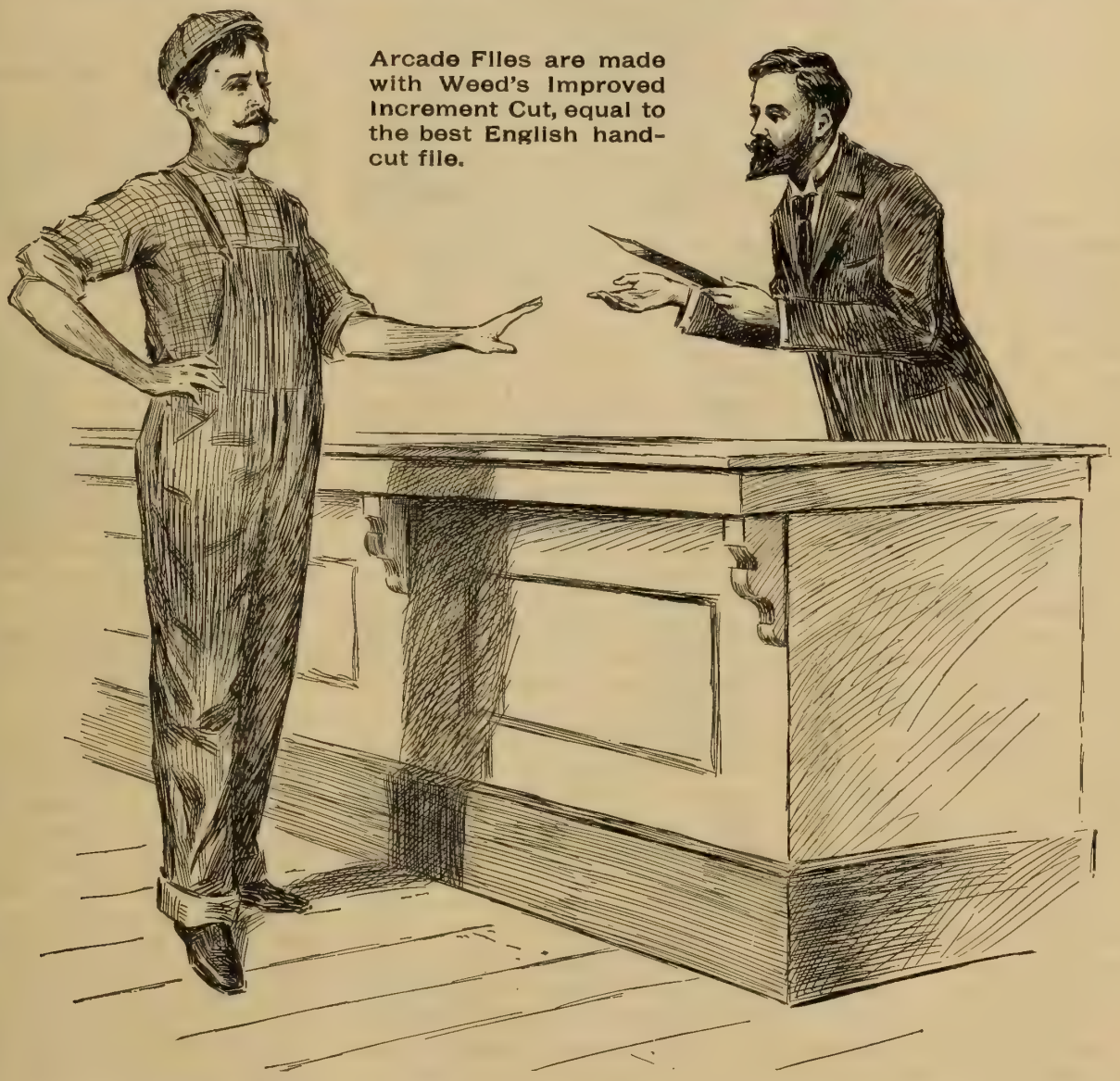
Even at a discount of 50, 10, 10 and 5 per cent. it is difficult for exporters to obtain prompt deliveries of carload lots of wrought iron pipe. The few local speculators who had large stocks on hand when the price of pipe began to advance are all sold out, and now the foreign buyer must pay mill prices and take his chances on early delivery. It was said recently that during the week several substantial inquiries for export were in the market for various countries, but of these only one order was placed, and that was for several carloads for Eastern countries, and in order to take the goods from stock the purchasers here had to forfeit the last discount of 5 per cent. to assure shipment within a few days; otherwise two months would have been the time required to fill such orders from the mill. Pipe mills on the other side are equally as busy, and it is said that the same difficulty is being experienced in securing deliveries. The National Tube Works are to enlarge their offices in the Havemeyer building by taking the entire twelfth floor and a good part of the eleventh. — New York Journal of Commerce.

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HEATING AND PLUMBING

PERFECT SEWERAGE AND PERFECT HEALTH.*

By W. R. Morrison.

PERFECT sewerage is one of the most important factors in the construction of a town or city, for on this may depend the future prosperity of the place; yet, with this known fact, how few towns or cities are laid out in a manner which recognizes this important factor. And, again, how few of the cities of the entire world are there that can say they have a perfect system of sewerage!

Having devoted a considerable amount of time looking into what are considered perfect systems of sewerage, I find that in my most earnest searches there are but few cities that have a perfect system. I wish that it was the law of the United States that commissioners should be appointed in every State composed of men who are well up in the question of perfect health and proper sewerage, their duties to consist of making thorough examinations of the sewerage systems in every town and city of the State.

The matter of laying a few cement pipes or building trunk sewers through the streets of a city does not make the sewerage system of that city perfect, as most people believe. These pipes may have a perfect grade and may discharge into some body of water at some distance from the city, and still I say to you that they have not a perfect system of sewerage. You ask what we have then? I will tell you. You have a system of condensing chambers for gases, you have a hatching machine for microbes of every description which, like everything else, are pushing out towards the light and air, and no sooner do they escape from their prison hatching grounds than some poor human soul comes along and absorbs them. What then you ask? The doctor. If by chance he happens to know just which one of these infernal microbes you have been unfortunate enough to swallow you are a well man almost immediately, but if he does not and there are a million chances that he does not, it means many weary weeks of sickness with the doctor using all his skill and energy trying to find out which one you took; until your vitality is all gone and life leaves your mortal body and you are laid at rest.

Now, as to a perfect system of sewerage and what it consists of, I will pass a few remarks. Of course, in the planning out a system of sewerage there are always the main trunk sewers and their branches. To have a perfect system there is only one way to make it so, and that is to erect at the end of each line of main or trunk sewer a large ventilating flue. These flues can be so constructed that they can be made the garbage reduction plants of the city and at the same time cause a draft which will help to keep the foul gases from concentrating in the sewers. By this system you insure clean sewers; having clean sewers means no microbes, perfect health, happy homes; and the latter mean a moral and prosperous city.

Having started with the main object of perfect sewerage toward perfect health, the next matter of importance is the house draining system, for this affects you all as individuals. Are not your wives and children the dearest things on earth to you, and should they not be protected from the evil effects of improper and unsanitary plumbing work in your homes, be they humble or grand? The lives of those dear ones are just as sweet to the laborer as to the highest and richest man in these United States, and such being so, too much can not be said towards the advancement of proper and sanitary plumbing and house drainage.

In starting in to have your plumbing work done, pick out your plumber, and great care should be taken in your choice of the man whom you are trusting to do your work. When you have decided on your man, be guided by him as to the construction of the work, as he knows what is best for your health; he has made it his life-study, and certainly should know what is best for you and yours. And let me say here that the plumber of to-day is not the plumber of the past; the plumber of to-day is a scientific man, ever on the alert, looking at the merits or demerits of every new invention that is placed on the market, and, if it is to be any good to the public health, he adopts it.

The selection of the sanitary fixtures for your house may be governed by your means, but the main part—the pipes, traps, and all the pipes used in the drainage ventilating work—should be of the best that can be bought.

If you desire to have your work done by contract, and the man you have selected gives you a price on the work, do not try to have him reduce his figure, as he has figured out just what you require to have a first-class job of plumbing put in, and if you reduce his figure he will cut down on the work, for the plumber, like all other contractors, is not giving his money away, and he can put in the work in such a manner that, sooner or later, it will cost you twice as much as he originally asked of you for a first-class job. If you must cut down on the cost of your buildng, do it on some of the decorations, but don't, I implore you, cut down on the plumbing work in your house, if you think anything of the lives of yourself and loved ones.

* Paper read at the convention of the Association of Master Plumbers of the United States.

PLUMBING AND HEATING NOTES.

ANTOINE BELANGER and Wm. Kelly have registered partnership as plumbers under the style of Belanger & Kelly, Montreal.

F. Duclos, plumber, Montreal, has assigned to Lamarche & Benoit.

The movable assets of D. Dugas, plumber, Montreal, are to be sold on August 14.

The Hamilton, Ont., Bridge Works are negotiating for a site on which to erect additions to their works.

Powell & Wideman, architects, Guelph, Ont., are preparing plans for remodeling a store for The Trusts and Guarantee Co.

T. J. Hepburn, architect, Stratford, Ont., is asking for tenders for extensive repairs to the St. Andrew's Presbyterian church of that place.

The recently opened tenders for the Woodstock, Ont., town hall were too high, and it is likely new plans and tenders will be asked for.

James W. Drake is superintending the erection of a new glass factory, 100 x 100, in Kingsville, Ont. Warerooms and workmens' cottages will also be erected.

Fred. T. Hodgson, Renfrew, Ont., is preparing plans for $5,000 repairs and alterations to the Queen's Hotel, Clarksburg, Ont. This building is to be fitted with up-to-date plumbing.

TORONTO BUILDING PERMITS.

Building permits have been issued in Toronto this week to Mrs. Ellen Sexton for a pair of two-storey brick residences on the south side of Pearson avenue, near Roncesvalles, to cost $2,500; to Geo. May, for a two-storey and attic brick dwelling at 7 Garden street, to cost $1,300; to H. E. Trent for a three-storey bank and office building, at the corner of Queen and Portland streets, to cost $4,500; to Mrs. G. E. Kingsinger for a two-storey and attic brick dwelling, near Queen street, on Lansdowne avenue, to cost $1,500.

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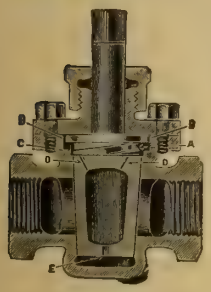


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PLUMBING AND HEATING CONTRACTS.

Rogers & Rogers, Summerside, P.E.I., have secured the contract of heating and and plumbing for the new Perry hotel in that town.

James Ballantyne, Montreal, reports the following contracts : Plumbing work, Tooke Bros. new shirt and collar factory, St. Henri; plumbing, heating and electric work of Mr. B. Tooke's new house, on the corner of Simpson and McGregor streets ; plumbing, heating and electric bell work of new summer residence for Mr. J. C. King, at Cartierville; plumbing and heating of new residence for Mr. L. J. Forget at Senneville; hot-water heating of two private residences at St. Laurent, Que.; hot-water heating of two private residences for Mrs. Jacobs, Victoria street ; extensive alterations to the steam-heating plant of the British-American Bank Note Co., Bleury street, and several smaller alterations. He reports prospects for the fall work good.

HE IS WORKING FOR NOTHING.

A story, which shows lack of business foresight, was told me the other day by a prominent jobber, which, I think, will bear repeating. A plumber in a large city tendered for certain work. Two months after putting in his tender the contract was awarded him. The work was not to be commenced for three or four months, so the successful tenderer laid the contract and specifications carefully away. About the time the work was to be commenced he went to his jobber to order his goods and the prices quoted staggered him. He actually had to pay more for his goods than he was getting for the contract. He protested, and then, in the course of conversation, the facts, already stated, came out. He had to have the goods and now he is working for very much less than nothing. I wonder if this man studies his trade paper. Perhaps not. His time is too precious.

SPOILING A GOOD FARMER.

A Chicago business man, according to an exchange, recently utilized a rather unique method of dismissing an employe. His bookkeeper had formerly been a farmer and had come to Chicago to enter the business world. His employer had thought him promising, but after a month's trial discovered his mistake. Then he wondered how he could get rid of him.

"John," said he one day, "you never let anyone beat you at plowing while you were on the farm, did you ?"

"No, sir," replied John.

"And no one ever got ahead of you at hoeing potatoes ? "

"No, sir."

"Well, I think my conscience won't let me keep you here, John. I'm afraid I am spoiling a mighty good farmer."

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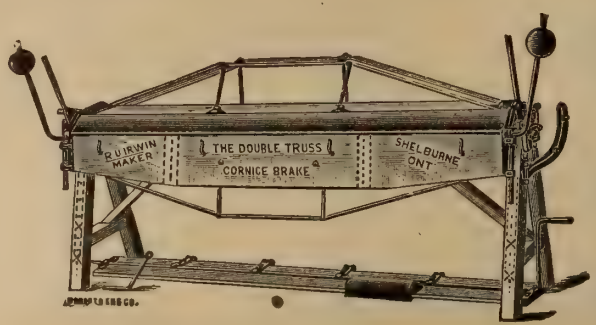
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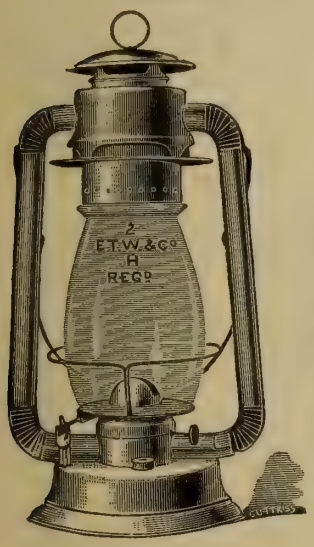
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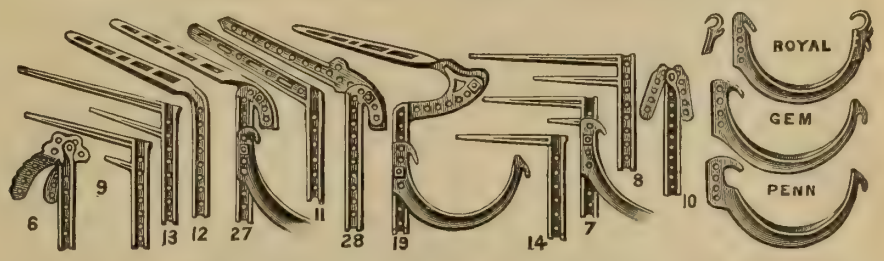
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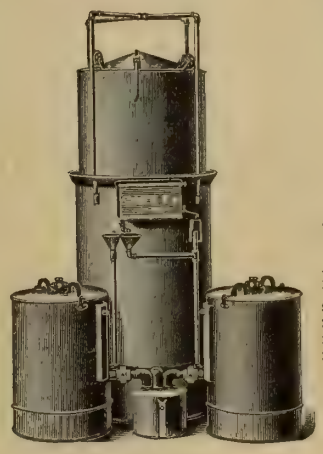
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What some of our friends say of us :

Dear Sirs,—The 10-light Safety Acetylene Gas Machine purchased from your Mr. Sparling has been in use in the office, composing and press rooms of the Vernon News since the beginning of the year, and it is giving excellent satisfaction. The light is clear, strong and much easier on the eyes than other forms of artificial light, and is admirably adapted for our purpose. The machine is easily operated and requires little attention. The automatic device for removing the ash from the carbide works to perfection. We find that there is no overgeneration of gas and consequently no waste. The ash is always dry when removed. Considering the volume of light we find it more economical than coal oil, and we can confidently recommend the Safety generator as a very excellent machine.

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WORLD'S GOLD PRODUCTION.

The director of the mint at Washington has nearly completed his estimate of the world's gold production for the year 1898. The data at hand seems to warrant the conclusion that the production will amount to at at least $294,000,000, and possibly $295,000,000. Africa leads all other countries with $80,300,000, with Australia second with $67,500,000, and the United States third with $64,463,000. Russia is credited with $25,000,000, Mexico with $10,000,000, and Canada, including the Klondyke, with $14,000,000, In 1897, Africa produced $58,306,000, with the United States second with $55,863,000, and Australia third with $55,684,000, Russia fourth with $23,245,000, Mexico fifth with $9,436,000, and Canada, including the Klondyke, with $6,027,000. The total for that year was $237,505,000. Of the $14,000,000 credited to Canada in 1898, about $10,000,000 came out of the Klondyke, and, in the estimate of the production of the United States during the last year, $2,524,000 came from Alaska.

In 1896, and for nearly fifty years previously, the United States occupied the first place in the world's production of gold. In that year the output of the world was estimated at $202,682,000. These figures are subject to revision in making up the final estimate, but are believed to be approximately correct.

A FRONTIER GROCER.

Mr. G. R. Morden, representing The John Calder Co., Hamilton, has given HARDWARE AND METAL the interesting cut herewith shown, which gives an idea of a successful frontier store, of which Old John Black is proprietor. The sign itself is a bright idea, and the successful dealer in "groceries and guff" stands in the picture between the North West Mounted Policeman and his horse.



Old John has given the following interesting facts regarding his career. He has lived in the Northwest for 42 years, and is now well-known through that vast tract of country. For a number of years he was in the employ of the Hudson's Bay Co., but in 1885 he decided to start store for himself in Fort Macleod.

With a self-satisfied smile on his face, John remarked that he himself had hewed and placed the logs of his first little store, with a frontage of 12 feet. "Now," he said, "our store extends just seven times as far along the street, and our business has grown in proportion." Indeed Old John Black's store is one of the prominent features of Fort Macleod to-day. He is a self-made man, and has a steadily increasing business.

SCARCITY OF B. C. CEDAR.

The growing scarcity of fine cedar timb is making the price of that lumber go upwards all the time. Lumbermen are finding it more difficult to provide for the demand. In view of this fact the virgin forests of cedar, south of Vancouver on the Fraser, are coming into greater prominence for Coast mills are looking to this region for supply.

Mr. J. H. Veno, a millman of extensive experience, passed through Vancouver on Sunday bent on an enterprise of considerable interest to the people of Westminster and this city. From Mr. Veno it is learned that a big deal is pending whereby he means to obtain possession of several hundred acres of cedar timber lying about two and a half miles from the Fraser river and accessible by a trail to shipping. Mr. Veno has an option on the land and is on the inside track of the parties who own the tract.—The Province, Vancouver, B.C.

BINDER TWINE.

There is none "just as good."

Pure Manila 650-ft. to the lb.

Blue Ribbon

Special Manila

Tiger

Standard

These Twines will not bunch at the knotter, and a Binder will run all day with them without stoppage, thus saving time, annoyance and an endless lot of trouble.

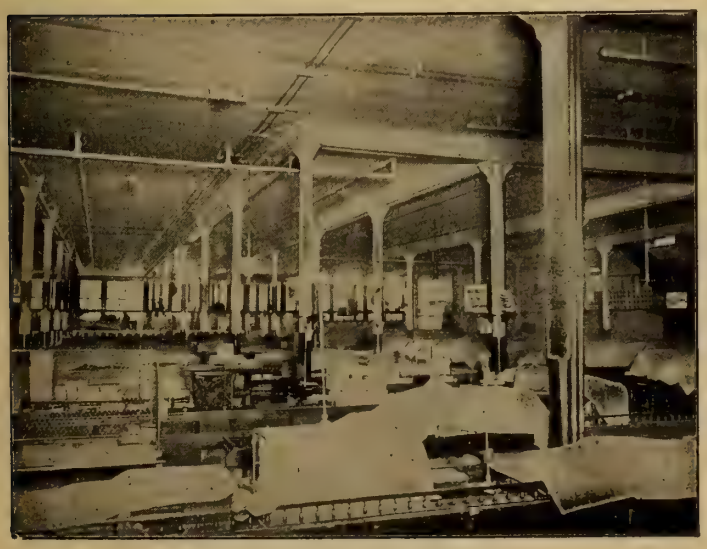
We pack our twine in bags of the size of ordinary grain bags and are not ashamed to put our name upon them. Don't take any other.

Consumers Cordage Company, LIMITED, Montreal.

For "RUSH ORDERS" and the accommodation of our customers we carry a stock at our Toronto Branch: WM. B. STEWART, Agent, 27 Front St. West.

"LUXFER PRISM

windows and pavement lights are a boon to progressive and thrifty merchants."



EATON'S—WITH LUXFER PRISMS.



EATON'S—WITH PLATE GLASS.

WE REST OUR CASE

upon a comparison between the amount required to light your store with Luxfer Prisms and the amount of your artificial light bills.

WRITE TO

Luxfer Prism Co., Limited.

58 Yonge St., Toronto.

CORPORATE MARK

JOSEPH RODGERS & SONS, Limited.

MANUFACTURERS OF

Pocket and Table Cutlery, Scissors, Razors, Erasers, Etc.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for Canada,

JAMES HUTTON & CO., - - Montreal

CURRENT MARKET QUOTATIONS

August 11, 1899.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—	
56 and 28 lb. ingots, per lb.	0 37
Straits	0 37

Tinplates.

Charcoal Plates—Bright.

	Per box
M.L.S., equal to Bradley.	
I.C., usual sizes	$6 25
I.X., "	7 50
I.X.X., "	8 75
R. & Co.—	
I.C	
I.X	
I.X.X	
Famous—	
I.C.	
I.X.	
I.X.X	
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	5 75
I.X.X. "	6 50
I.XXX., "	7 25
D.C., 12½x17	4 50
D.X.	5 25
D.X.X.	7 25

NOTE.—Other brands might be shaded by 25c per box.

Coke Plates—Bright.

Bessemer Steel—	
I.C., usual sizes	4 35
I.C., special sizes, base	4 50
20x28	8 75

Charcoal Plates—Terne.

Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 00
I.X., Terne Tin	9 25

Charcoal Tin Boiler Plates.

	Per lb.
Cookley Grade—	
X X., 14x56, 50 sheet bxs	0 06½ 0 07
" 14x60 "	
" 14x65, "	

Tinned Sheets.

72x30 up to 24 gauge	0 07	0 07½
" 26 "	0 07½	0 08
" 28 "	0 08	0 08½

Iron and Steel.

	Base	Price
Common Bar, per 100 lbs		2 00
Refined "		2 30
Horse Shoe	2 15	2 25
Hoop steel, 1½ to 3 in. base, extras for smaller sizes		2 75
Swedish "	4 00	4 25
Sleigh Shoe Steel " base		2 60
Tire Steel		2 50
Machinery		2 65
Cast Steel, per lb	0 10	0 14
Toe Calk Steel		2 95
Toe Weight Steel		6 10
Thos. Firth & Sons' Cast Steel	0 12	0 14
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker.	2 00	2 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½-inch	0 11
2 "	0 12
2½ "	0 14
"	

Steel Boiler Plate.

¼ inch	3 25
3-16 inch	3 40
⅝ inch and thicker	3 25

Black Sheets.

18 gauge	2 75
20 "	2 75
22 to 24 "	2 85
26 "	2 95
28 "	3 10

Canada Plates.

All dull, 52 sheets	2 75
Half polished	2 85
All bright	3 20

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ⅜ inch, $3 35 ; ½ inch, $3.40 ; ¾ inch, $4.00; 1 inch, $5.50; 1¼ inch, $7.35 ; 1½ inch, $9.25; 2 inch, $12.50. 2½ to 6 inch, discount 45 p.c.

Galvanized, ⅜ inch, $6.00: ½ inch, $6.30 ; ¾ inch, $8.00 1 inch, $11.00 ; 1¼ inch, $15.25 ; 1½ inch, $19.00 ; 2 inch, $27.00.

Galvanized Iron.

	G C. Comet.	Amer.	Queen's Head
16 gauge			4 25
18 to 24 gauge	4 50		4 50
26 "	4 75		4 75
28 "	5 00		5 00

Less than case lots, 25c. per 100 lb. additional.

Chain.

Proof Coil, 3-16 in., per 100 lbs		6 75
" ¼ " "		4 75
" 5-16 " "		4 30
" ⅜ " "		4 15
" 7-16 " "		3 05
" ½ " "		3 85
" ⅝ " "		3 75
Trace, per doz. pairs	3 60	5 90
Jack chain, iron, single, per doz. yards	0 13	0 50
Jack chain, double, per doz. yards		0 15
Jack chain, brass, single, per doz. yards	20	10

Copper.

Ingot.

English B. S., ton lots	0 20	0 21
Lake Superior		

Bolt or Bar.

Cut lengths, round, ½ to ⅞ in.	0 23½	0 25
" round and square 1 to 2 inches	0 23½	0 25

Sheet.

Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 23	0 23½
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 23	0 23½

NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.

Tinned copper sheets		0 26
Planished		0 32

Braziers. (In sheets.)

4x6 ft. 25 to 30 lbs. ea., per lb.		0 25½
" 35 to 45 " "		0 24½
" 50-lb. and above, "		0 23½

Boiler and T. K. Pitts.

Plain Tinned, per lb		0 28
Spun, per lb		0 32

Brass.

Roll and Sheet, 14 to 30 gauge, 5 per cent.

Sheets, hard-rolled, 2x4	0 24	0 25
Tubing, base, per lb	0 24	0 25

Zinc Spelter

Foreign, per lb	0 07½	0 07¼
Domestic "		

Zinc Sheet.

5 cwt. casks	0 08¼
Part casks	0 08½

Lead.

Imported Pig, per lb	0 04½	0 04¾
Domestic, per lb		
Bar, 1 lb		05¼
Sheets, 2½ lbs. sq. ft., by roll.	0 05	05¼
Sheets. 3 to 6 lbs., per sq. ft., by roll	0 04¾	0 05

NOTE.—Cut sheets ½ cent per lb. extra

Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 20 per cent. discount

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths, lists at 7½ cents.

Shot.

Ordinary, drop, $4.75 per 100 lb. ; chilled, $5.15 per 100 lb. F.O.B. Toronto ; terms 3 per cent cash, freights equalized on Montreal.

Soil Pipe.

Discount, 50 and 10 per cent.

Solder.

	Per lb.	Per lb.
Bar half-and-half	0 22	0 23
Refined	0 21	0 22
Wiping	0 18	0 19

NOTE.—Prices of this graded according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 11	0 11½

White Lead.

	Per cwt.
Pure, Assoc. guarantee, ground in oil, 25 lb. irons	6 12½
No. 1 do	5 74½
No. 2 do	5 37½
No. 3 do	5 00
No. 4 do	4 62½
Robertson's Chemically Pure	6 12½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B. B. Genuine	8 12½
" " No. 1	7 25
James' genuine	7 20
" " No. 1	6 75

White Zinc Paint.

Elephant Snow White	0 08
Pure Whiie Zinc	0 08
No. 1	0 06
No. 2	0 05

Dry White Lead.

Pure, casks	0 05½
Pure, kegs	0 05⅝
No. 1, casks	0 04⅞
No. 1, kegs	0 05⅛

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)

Pure, per gallon	1 00
Second qualities, per gallon	0 90
Barn (in bbls.)	0 70 0 90
The Sherwin-Williams Paints	1 20
Canada Paint Co's Pure	1 10 1 20
Robertson's Pure	1 00 1 10
Sanderson Pearcy's Pure	1 00 1 10

Colors in Oil.

(25 lb. tins, Standard Quality.)

Venetian Red, per lb	0 05
Chrome Yellow	0 11
Golden Ochre	0 06
French "	0 05
Marine Black	0 09
" Green	0 09
Chrome "	0 08
French Imperial Green	0 19

Colors, Dry.

Yellow Ochre (J. C.) bbls. per cwt	1 35 1 40
Yellow Ochre (J.F.L.S.), bbls. per cwt	2 75
Yellow Ochre (Royal), per cwt	1 10 1 15
Brussels Ochre	2 00
Venetian Red (best). per cwt.	1 80 1 90
English Oxides, per cwt.	3 00 3 25
American Oxides, per cwt	1 75 1 90
Canadian Oxides, per cwt.	1 75 1 90
Burnt Sienna, pure, per lb.	0 10
" Umber, " "	0 10
do aw	0 09
Drop Black, pure	0 09
Chrome Yellows, pure	0 18
Chrome Greens, pure. per lb.	0 12
Golden Ochre	0 03¾
Ultra marine Blue in 28-lb boxes, per lb.	0 08 0 24
Fire Proof Mineral, per 100 lb.	1 00
Genuine Eng. Litharge, per lb	0 07
Mortar Color, per 100 lb.	1 25
James' Gen. Red Lead, 100 lb	0 04⅞
Pure Indian Red, No. 45, lb.	0 08
Whiting, per 100 lb.	0 55

Paris Green.

250 lb. casks	0 13½
50 lb. drums	0 14
1 lb. packages	0 15
½ lb. "	0 16½
1-lb. tins	0 15½

Sulphate of Copper.

Casks, for spraying, per lb.	0 07
100-lb. lots, do. per lb.	0 08

Putty.

Bladders in bbls.	1 80
Bladders in 100 or 200 lb. kegs or bxs	1 95
Bulk in bbls., per 100	1 65
Bulk in less quantities	1 80
25-lb. tins, 4 in case	2 05
12½-lb. tins, 8 in case	2 30

Quotations f.o.b. Toronto—10c. per 100 lbs. extra Hamilton, London, Guelph. For quantities less than 100-lbs., 2½c. per lb.

Varnishes.

(In 5-gal. lots.)	Per gal.
Carriage, No. 1	1 30 1 40
Extra do.	1 50 1 60
Body Varnish	3 40 3 50
Furniture Varnish	0 50 0 60
Extra do.	1 00 1 10
Demar Varnish	1 50
Hard Oil Finish	1 30 1 35
Orange Shellac Varnish	2 00 2 10
White Shellac	2 20 2 25
Rubbing Varnish	2 00
Brown Japan	0 75
Elastic Oak	1 20 1 30

Linseed Oil.

Raw, per gal. net	0 57
Boiled, per gal. net	0 60

Outside points 1c. more than above figures

Turpentine.

1 to 4 barrels, net	0 72

Outside points 1c. more

Castor Oil.

In cases, per lb	0 09
Small lots	0 10

Cod Oil, Etc.

Cod Oil, per gal.	0 50 0 55
Pure Olive	1 20
" Neatsfoot	90

Glue.

(In bbls.)

Common	0 08½	0 09
French Medal	0 12	0 12½
Cabinet, sheet	0 11	0 12
White, extra	0 16	0 18
Gelatine	0 22	0 30
Strip	0 16	0 18
Coopers	0 19	0 20
Al clear		0 09

HARDWARE.

Ammunition.

Cartridges.

B. B. Caps. Dom., 50 and 5 per cent.
Rim Fire Pistol, dis. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18 p.c. Amer.



EMERY

Cloth and Paper.
Glass and Flint Paper.
"Atlas" Brand

"FLORA" Knife Polish, in 3d., 6d. and 1/ tins

Ground, Washed and Flour.

WHEELS of highest quality for general and special purposes.



Write for Latest Catalogues and Samples to

EMERY GRINDING MACHINERY

THE LONDON EMERY WORKS CO., 10-12 Vine Street Clerkenwell, LONDON, E.C.

Agent in Canada—MR. T. L. PATON, 30 St. Francois Xavier Street, Montreal, P. O. Box 903.

Central Fire Cartridges, pistol sizes, Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.
Brass shot Shells, 55 and 10 per cent.
Primers, Dom., 80 per cent.

Wads.

	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb bags	0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 100 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 33⅓ per cent.

Anvils.

Per lb	0 10	0 12½
Anvil and Vice combined each	....	4 50
Wilkinson & Co.'s Anvils lb.	0 09	0 09½
Wilkinson & Co.'s Vices..lb.	0 09¾	0 10

Augers.

Gilmour's, discount 50 and 10 p.c. off revised list.

Hollow, Stearn's, per dozen..	13 00	20 00
Adjustable, Stearn's, each..	4 50	6 50
Post-hole, Vaughan's, each..	60	90

AXES.

Splitting Axes	5 25	5 50
Chopping Axes—		
Single List, per doz	8 00	12 00
Double List, "	11 00	18 00

Beech Axes, 40 and 15 p.c.
Broad Axe, 33⅓ per cent.

Hunters' Axes	5 25	5 50
Boy's Axes	5 75	6 75

Bath Tubs.

Zinc	3 90	4 00

Copper, discount 40 and 10 p.c. off revised list
Steel clad, 20 per cent. discount off revised list. Boxing extra.

Anti-Friction Metal.

"Tandem" A	per lb.	0 23
" B	"	0 19
" C	"	0 11½

Magnolia Anti-Friction Metal, per lb. 0 25
F. O. B. New York or Chicago.

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent.

Door.

Gongs, Sargant's	5 50	8 00
" Peterboro', discount 50 per cent.		

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00

Blacksmiths', discount 60 per cent.

Belting.

Extra, 50 per cent.
Standard, 50 and 10 to 50, 10 and 5 per cent.
Agricultural, 60 and 10 p.c.

Bits.

Auger.

Gilmour's, discount 50 and 10 per cent.
Rockford, Common, 70 to 70 and 10 per cent.
" Perfection, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent.

Gimlet.

Clark's, per doz	0 65	0 90
Dismond, Sheil, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind Rollers.

Annex, per doz	1 25	1 75
Mascott, "	1 35	1 85
Erminie, "	1 00	0 00

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Norway Bolts, full square	65
Common Carriage Bolts, 5-16 & under	55
" " " ⅜ and larger.	50
" " " full square	65
Machine Bolts, all sizes	55
Coach Screws	67½
Sleigh Shoe Bolts	72½
Blank Bolts	55
Bolt Ends	62½
Nuts, square	3¾c.
Nuts, hexagon	4¼c.
Tapping Nuts	60
Tire Bolts	60 and 10
Stove Bolts	60 and 10

Boot Calks.

Small and medium, per M	4 50	
Small heel, per M	4 25	

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis 37½ per cent.

Henis, No. 8, "	....	6 00
Henis, No. 9, "	....	7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Plain building, per roll	0 28
Tarred lining, per roll	0 35
Tarred roofing, per 100 lb	1 40
Coal Tar, per barrel	3 75
Pitch, per 100-lb	0 60
Carpet felt, per 100 lb	2 25

Bull Rings.

Copper, $1.50 for 2½ in. and $2 for 2 in.

Butts.

Brass.

Wrought Brass, dis., 10 p.c. revised list.

Cast Iron.

Loose Pin, dis., 6 to 60 and 10 per cent.

Wrought Steel.

Fast Joint, dis. 70 and 10 per cent.
Loose Pin, dis 70 and 10 per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.
Gen. Bronzed, per pair | 0 40 | 0 65

Cards.

Horse, per doz	0 60	1 00

Carpet Sweepers.

Bissell, per doz	....	22 50
World, "	....	24 75
Daisy, "	....	24 00
Star, "	....	18 00
Crown Jewel, per doz	....	29 00
Grand Rapids, "	24 00	33 00

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	2 65	2 90
English "	....	3 00
Belgian "	....	2 70
Canadian hydraulic	1 00	1 10

Figures are for barrel lots.

Chalk.

Carpenters, Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 70 and 5 per cent.
Warnock's, dis. 40 and 10 per cent.

Churns.

Revolving Churns, metal frames—No. 0, $3—No. 1, $3.25—No. 2, $3.40—No. 3, $3.75—No. 4, $4.50—No. 5, $5.90 each. Ditto, wood frames—15c. each less than above. Terms 4 months or 3 p.c. off 30 days, f.o.b.

Clips.

Axle dis. 65 per cent.

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 20 per cent. from factory.

Dies.

Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. per cent.

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Broad's, dis 75 per cent.
Warnock's, dis. 50 and 10 per cent.

Drills.

Hand and Breast.

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.

EARTHENWARE.

Closets, washout, plain	4 50	
" " embossed	4 75	
Closet connection	1 25	
Basins, round 14 in	0 65	
" oval, 17 x 14 in	1 55	
" " 19 x 15 in	2 30	

ELBOWS.

Stovepipe.

Per doz	0 85	1 70

FACTORY MILK CANS.

Discount off revised list, 40 per cent.

FILES.

Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Jowitt's, English list, 20 to 27½ per cent
Mechanics' Star & File Mfg. Co. Discount 60 and 10 to 70 per cent.

FORKS.

Hay, manure, etc., dis., 60 and 10 to 60 and 5 p. c. revised list.

FREEZERS

Ice Cream.

White Mountain, 1 to 25 qt	1 35	13 50
Arctic, dis. 50 p.c.		

FRY PANS.

Acme, dis. 65 to 67½ per cent.

FRUIT PRESSES.

Henis', per doz	3 25	3 50

Shepard's Queen City, dis. 15 per cent.

GAUGES.

Marking, Mortise, Etc.

Stanley's, dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

GLASS.
Window.
Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	Double Diamond Per 50 ft.	Double Diamond Per 100 ft.
Under 26	2 15	4 00	3 50	6 00
26 to 40	2 25	4 35	3 75	6 65
41 to 50	....	4 75	....	7 25
51 to 60	....	5 00	....	8 50
61 to 70	....	5 35	....	9 25
71 to 80	....	5 75	....	10 50
81 to 85	....	6 50	....	11 75
86 to 90	....	7 25	....	14 00
91 to 95	....	....	....	15 50
96 to 100	....	....	....	18 00
101 to 105	....	....	....	21 00
106 to 110	....	....	....	24 00
111 to 115	....	....	....	28 00

16 x 16 10 per cent. off.

HALTERS.

Rope, ⅜ per gross	8 25	8 55
" ½ "	9 25	6 50
" ⅝ "	11 00	11 20
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis 5 to 10 per cent. Can. dis. 25 to 27½ per cent.

Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz., net	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pair	0 40	2 50

Fork

C. & B., dis. 45 per cent. rev. list.

Hoe.

C. & B., dis. 45 per cent. rev. list.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 45 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾	0 20

HANGERS.

Door, 4 and 5 inch, per pair	0 40	0 50

Lane's, 62½ per cent.

HARVEST TOOLS.

Discount, 60, 10, and 5 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent.

HINGES.

Blind, Parker's, dis. 60 and 10 to 65 per cent
" Shepard's Noiseless, dis. 60 per cent.
" " Buffalo, dis. 60 to 70 p. c.

Heavy T and strap, 4-in., per lb		0 05
" " 5-in., "	....	0 04¾
" " 6-in., "	...	0 04½
" " 8-in., "	....	0 04¼
" " 10-in., "	....	0 04

Screw hook and hinge—

3 to 12 in., per 100 lbs	....	3 75
14 in. up, per 100 lbs	...	3 00

	Per gro. pair
Spring	8 50

HOES.

Garden, Mortar, etc., dis 60, 10 and 5 p.c.

Planter, per doz	4 00	4 50

HOOKS.

Cast Iron.

Bird Cage, per doz	0 50	1 10
Clothes Line, per doz	0 27	0 63
Harness, per doz	0 72	0 88
Hat and Coat, per gross	1 00	3 00
Chandelier, per doz	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.

Hat and Coat, discount 60 per cent.
Belt, per 1,000 ... 0 60 0 70
Screw, bright, dis. 65 and 10 per cent.

HORSE NAILS.

"C" brand 50 p.c. dis.
"M" brand 50 p.c. } Oval head.

Acadian, 50 and 20 p.c., countersunk head.

HORSESHOES.

Iron Shoes.	F.O.B. Toronto. No 2 and larger.	No. 1. and smaller.
Light, medium, and heavy	3 60	3 85
Snow shoes	3 85	4 10
Steel Shoes.		
Light	4 00	4 25
Featherweight (all sizes)	5 25	5 25

JAPANNED WARE.

Discount, 50 per cent. off list, June, 1899.

ICE PICKS.

Star, per doz ... 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb ... 0 30 0 35
American, 60 and 10 to 65 and 5 p c.

KEYS.

Lock, Can., dis., 50 p.c.
Cabinet, trunk, and padlock, Am. per gross ... 60

KNOBS.

Door, japanned and N.P., per doz ... 0 90
Bronze, Berlin, per doz ... 2 75 3 25
Bronze Genuine, per doz ... 6 00 9 00
Shutter, porcelain, F. & L. screw, per gross ... 1 30 4 00

KNIVES.

Clauss, bread, cake, and paring knives, $7 00 doz. sets net, to 10 per cent.
Christie, bread, cake and paring knives, $7 00 doz. sets, with 10 p.c. off.
Hay knives, spear point, L. or T handle, 60 10 and 5 per cent.
Lightning, per doz ... 6 50 8 40
Health's, $7.75 net.

LANTERNS.

Cold Blast, per doz ... 7 00
No. 3 "Wright's" ... 8 00

LEMON SQUEEZERS.

	per doz.	
Porcelain lined	2 20	5 60
Galvanized	1 87	3 85
King, wood	2 75	2 90
King, glass	4 00	4 50
All glass	1 20	1 30

LINES.

Fish, per gross	1 05	2 50
Chalk "	1 90	7 40

LOCKS

Canadian, dis. 50 p.c.
Russell & Erwin, per doz ... 2 00 2 20

Cabinet.

Eagle, dis. 30 p.c.

Padlock.

English and Am., per doz	50	6 00
Scandinavian "	1 00	2 40

Eagle, dis. 15 to 17½ p.c.

MACHINE SCREWS.

Iron and Brass.

Flat head, discount 25 p.c.
Round Head, discount 20 p.c.

MALLETS.

Tinsmiths', per doz	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz	3 85	5 00
Caulking, each	60	2 00

MATTOCKS.

Canadian, per doz	8 50	10 00

American, 60 and 10 p.c. off list.

MEAT CUTTERS.

American, dis. 30 to 32½ p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2d. and 3d	$3 25	$3 75
3d	2 90	3 40
4 and 5d	2 85	3 15
6 and 7d	2 65	3 05
8 and 9d	2 40	2 90
10 and 12d	2 35	2 85
16 and 20d	2 30	2 80
30, 40, 50 and 60d. (base)	2 25	2 75

Steel Cut Nails 10c. extra.

NAIL PULLERS.

German and American	1 85	3 50

NAIL SETS.

Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.

Poultry, 40 per cent. for McMullen's.

OIL.

Canada refined (Toronto)	0 13½
Sarnia Water White	0 15
" Prime White	0 14
American w. w.	0 16½
Pratt's Astral	0 18

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz ... 0 00 11 00
Zinc and tin, dis. 50, 50 and 10.

Copper, per doz	1 25	3 50
Brass, "	1 50	3 50

Malleable, dis. 25 per cent.

PAILS.

	per doz.
Galvanized, straight pattern No. 12	2 00
Galvanized, straight pattern No. 14	2 25
Galvanized, straight pattern No. 16	2 55
Flaring pattern, No. 11	2 25
" " No. 12	2 50
" " No. 13	2 85
" " No. 14	3 30

PIECED WARE.

Discount, 45 per cent. off list, June, 1899.

PICKS.

Per doz ... 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross	1 40	3 00
Brass head, "	0 40	1 00

PLANES.

Wood, bench, Canadian dis. 55 per cent. American dis. 55.
Wood, fancy Canadian or American, 37½ to 40 per cent.
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.
Miscellaneous, dis. 25 to 27½ per cent.
Bailey's Victor, 25 per cent.

PLANE IRONS.

English, per doz ... 2 00 5 00

PLIERS AND NIPPERS.

Button's Genuine, per doz pairs, dis. 37½ 40 p.c
Button's Imitation, per doz ... 5 00 9 00
German, per doz ... 0 60 2 60

PULLEYS.

Hothouse, per doz	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS

Canadian cistern	1 40	2 25
Canadian pitcher spout	1 15	2 00

PUNCHES.

Saddlers', per doz	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set	0 00	0 72
" hollow, per inch	0 00	1 00

RAKES.

Cast steel and malleable Canadian, list dis. 60, 10 and 5 p.c. revised list.
Wood, 25 per cent.

RASPS AND HORSE RASPS.

New Nicholson horse rasp, discount 60 p.c.
Globe File Co.'s rasps, 60 and 10 to 70 p.c.
Heller's Horse rasps, 50 to 50 and 5 p.c.

RAZORS.

	per doz.
Geo. Butler & Co.'s	8 00 18 00
Boker's	7 50 11 00
Wade & Butcher's	3 60 10 00
Theile & Quack's	7 00 12 00

REAPING HOOKS.

No. 2	$2 00
No. 3	2 05
No. 4	2 15
No. 5	20

RIVETS AND BURRS.

Carriage, Section, Wagon Box Rivets, etc. (Steel), 60 p c.
Carriage, Section, Wagon Box Rivets, et (Norway Iron), 55 p.c.
Black M. Rivets (Steel), 45 p.c.
Black and Tinned Rivets, 60 p.c.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets & Burrs, 35 p.c. dis., and cartons, 1c. per lb. extra, net.
Extras on Tinned or Coppered Rivets in ½-lb. cartons, 1c. per lb.
Burrs, iron or steel, 40 per cent.
Terms, 4 mos. or 3 per cent. cash 30 days.

RIVET SETS.

Canadian, dis. 35 37½ per cent.

ROPE, ETC.

	Sisal.	Manila.
7-16 in. and larger, per lb.	10½	12
⅜ in	11	12½
¼ and 5-16 in.	11½	13
Cotton		13
Russia Deep Sea		14½
Jute	6¾	7½
Lath Yarn		8¾
New Zealand Rope		9½

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

Mrs. Potts, per set	0 70
" N. P., per set	0 85

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 2½ per cent.
Emery, 40 per cent.

SASH CORD.

Per lb	0 20	0 50

SASH WEIGHTS.

Sectional, per 100 lbs	1 40	1 75
Solid, "		1 25

SAWS.

Hand, Disston's, dis. 12½ to 15 p.c.
S. & D., 40 per cent.

Crosscut, Disston's, per ft	0 35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.		
Hack, complete, each	0 75	2 75
" frame only		0 75

SAW SETS.

"Lincoln," per doz ... 5 50 6 00

SCALES

Gurney Scales, 45 p.c.
B. S. & M. Scales, 45 p.c.
Champion, 55 per cent.
Fairbanks Standard, 45 p.c.
" Dominion, 60 p.c.
" Richelieu, 60 p.c.
Chatillon Spring Balances, 25 p.c.

SCREENS.

Door, patent per doz	6 00	12 00
Window, per doz	2 00	3 00

SCREW DRIVERS.

Sargent's, per doz	0 65	1 00

SCREWS

Wood, F. H., iron, and steel, 80 and 5 p.c.
Wood R. H., " dis. 75 and 5 p.c.
" F. H., brass, dis. 75 and 5 p.c.
Wood, R. H., " dis. 67½ and 5 p.c.
" F H, bronze, dis. 67½ and 5 p.c.
" R.H. " 62½ and 5 p.c.
Drive Screws, 82½ and 5 per cent.

Bench, wood, per doz	3 25	4 00
" iron, "	4 25	5 75

SCYTHES.

Discount, per doz, net	4 50	6 00

SCYTHE SNATHS.

Canadian, dis. 50 p.c.

SHEARS

Seymour's, dis. 50 and 10 p.c.
Heinisch, dis. 50 and 10 p.c.
Clauss, full nickel, 50 and 10 p.c.
" japanned handles, 67½ p.c. off.
Seymour or Heinisch tailor shears, 15 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SNAPS.

Harness, German, dis. 35 to 37½ p.c.		
Acme	3 00	5 00
Lock, Andrews'	4 50	11 50

SOLDERING IRONS.

1, 1½ lb., per lb	0 37
2 lb. or over, per lb	0 34

WROUGHT SPIKES.

Discount, 35 to 40 per cent.

SQUARES.

Iron, per doz	1 65	2 90

Steel, dis. 70 per cent., revised list.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p.c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized		3 25
Bright		3 00

STOCKS AND DIES.

American dis. 25 p.c.

STONE.

	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip	0 09	0 09
Labrador		0 13
" Axe		0 15
Turkey		0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, per ton	15 00	18 00

Stove Polish.



No. 4—3 dozen in case, net cash ... $4 50
No. 6—3 dozen in case, " ... 7 50

STEP LADDERS.

Best grade, from 3 to 10-ft. long, per foot, 16c.
2nd grade, 3 to 10-ft., per foot, 10c.

TACKS BRADS, ETC.

	Per cent.
Strawberry box tacks, bulk	75 and 10
Cheese-box tacks, blued	85
Trunk tacks, black and tinned	85
Carpet tacks, blued and tinned	80
" " (in kegs)	40
Cut tacks, blued, in dozens only	75 and 5
" ¼ weights	60
Swedes, cut tacks, blued and tinned—	
In bulk	80 and 12½
In dozens	75
Swedes, upholsterers', bulk	85
" brush, blued and tinned, bulk	50
" gimp, blued, tinned & japanned	75
Zinc tacks	30
Leather carpet tacks	60
Copper tacks	50
Copper nails	52½
Trunk nails, black and tinned	70
Clout nails, blued and tinned	70
Chair nails	40
Cigar box nails	40
Patent brads	45
Fine finishing	45
Picture frame points	20
Lining tacks, in papers	10
" " in bulk	15
" " solid heads, in bulk, 75 and 12½	
Saddle nails in papers	10
" " in bulk	15
Tufting buttons, 22 line, in dozens only	60
Tin capped trunk nails	15
Zinc glazier's points	
Double pointed tacks, dozens	85 and 5
" " " bulk	40

TAPE LINES.

English, ass skin, per doz	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TINWARE.

Stamped, dis., Assn. list, 80 per cent.
Japanned, prices on application.
Pieced, prices on application.

TRANSOM LIFTERS.

Payson's per doz	2 60

TRAPS. (Steel.)

Game, Newhouse, dis. 40 p c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's, discount 10 per cent.

German, per doz	4 75	6 00
Brade's "	5 00	10 50

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb		0 21
Wrapping, mottled, per pack.	0 50	0 60
Wrapping, cotton, per lb	0 17	0 18
Mattress, per lb	0 33	0 45
Staging, "	0 27	0 35
Broom, "	0 30	0 55

VISES.

Hand, per doz	4 00	6 00
Bench, parallel, each	2 00	4 50
Coach, each	6 00	7 00
Peter Wright's, per lb	0 12	0 13
Pipe, each	5 50	9 00
Saw, per doz	6 50	13 00

WIRE.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Smooth Steel Wire, base, $2.85 f o.b. factory points. List of extras: Nos. 2 to 5, advance 7c. per 100 lb.—Nos. 6 to 9 base—No. 10, advance 7c.—No. 11, 14c.—No. 12, 20c.—No. 13, 35c.—No. 14 47c.—No. 15, 60c.—No. 16, 75c. Extras net per 100 lb.: Coppered wire, 60c.—tinned wire, $2—oiling, 10c.—special hay-baiting wire, 30c.—spring wire, $1—best steel wire, 75c.—bright soft drawn, 15c.—in 50 and 100-lb. bundles net, 10c.—in 25-lb. bundles net, 15c.—packed in casks or cases, 15c.—bagging or papering, 10c.
Fine Steel Wire, discount 25 per cent. factory. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, $7.65—No. 24, $8—No. 25, $9—No. 26, $9.50—No. 27, $10—No. 28 $11—No 29, $12—No. 30, $13—No. 31, $14—No 32, $15 No. 33, $16—No. 34. $17. Extras net—tinned wire, Nos. 17-25. $2—Nos. 26-31, $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles. 25c.—in 1-lb. hanks, 50c.—in ¼-lb. hanks, 75c.—in ⅛-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.40—No. 9, $2.90—No. 10, $3.50—No. 11, $3.55—No. 12, $3 05—No. 13, $3.15—No. 14, $3 9—No. 15, $4.50—No. 16. $4.65.

Broom Wire, per lb	0 05	0 05½
Clothes Line Wire, 19 gauge, per 1,000 feet	2 75	3 00

WIRE FENCING.

	F.O.B Toronto
Galvanized, 4 barb, 2¼ and 5 inches apart	3 25
Galvanized, 2 barb, 4 and 6 inches apart	3 25
Galvanized, plain twist	3 25

Terms, 2 per cent. in 10 days.

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net	1 75

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 70 to 70 and 10 p.c.
Standard, dis. 60, 60 and 10 per cent.
Coe's Genuine, dis. 30 to 32½ p.c.
Diamond, dis. 33⅓ to 35 per cent.

Towers' Engineer, each	2 00	7 00
" S., per doz	5 80	6 00
G. & K.'s Pipe, per doz		3 40
Burrell's Pipe, each		3 00
Pocket, per doz	0 25	2 90

WRINGERS.

Leader	per doz.	$60 00
Royal Canadian	"	58 00
Royal American	"	48 00

Discount, 45 per cent.; terms 4 months, or 3 p.c. 30 days. Prices are f.o.b. London, Hamilton, Toronto, Brockville or Montreal.

STAR

HACK SAWS
BUTCHER SAWS
BRACKET SAWS

THE STAR HACK SAW

Has a file temper, and one 5-cent blade will do more work than $1 worth of files. It will cut off an inch square bar of steel 100 times without filing.

THE STAR BUTCHER SAW

Will cut four times as long without filing as any other kind in use. It will cut off a half-inch rod of iron 30 times.

THE STAR BRACKET SAW

Is taking the place of all other kinds.

None of these Star Saws are to be filed, as the price is less than the cost of filing. They are taking the place of all other saws as fast as they become known.

For Sale by Most Hardware Dealers

We also make a Power Hack Saw which may be found in most machine shops and iron working establishments, and should be found in all.

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Fine Varnish & Japan
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BASKETS

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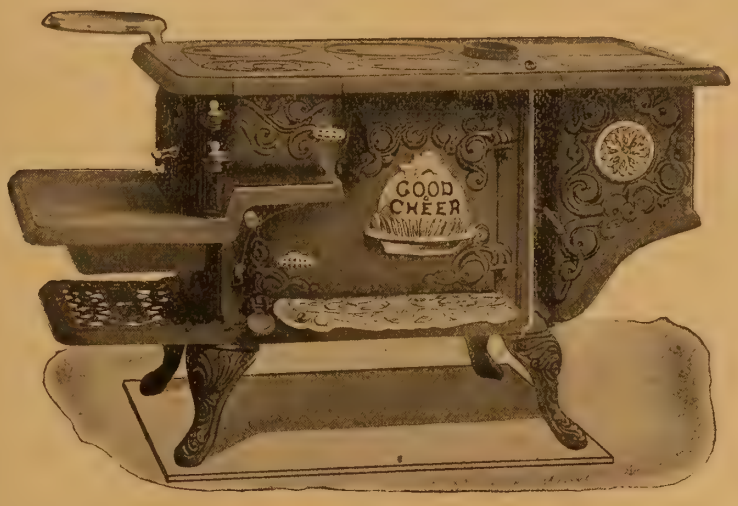
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STEEL PLATE OVEN COOK.

For Wood and Coal.



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9-25
9-27
9-29

Square and Reservoir.

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IN OIL
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IN VARNISH
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IN BARRELS

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HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XI. MONTREAL AND TORONTO, AUGUST 19, 1899. NO. 33



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Best Anti-Friction Metal for all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up in bars, of which this is a

FAC-SIMILE.

The name and trade mark appear on each box and bar and besides this, the words "Manufactured in United States" and "Patented June 3, 1890" are stamped on the under side of each bar.



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CHICAGO OFFICE—Fisher Building, 281 Dearborn Street.
CANADIAN OFFICE—524 Board of Trade Building, Montreal.

Owners and Sole Manufacturers,
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Always Ahead



CANADA

"Queen's Head" Iron always leads in sales, because the intelligent buyer knows that he can rely on it **every time**, and the price, if not the lowest, is at least the best that can be quoted for such a quality.

JOHN LYSAGHT, Limited

BRISTOL, ENG. MONTREAL.

Perfect Heating.

The Safford Patent Radiators combine all the desirable attributes of a perfect steam and hot-water heater, because—trifles make perfection possible. There is great strength, durability, lightness and beauty in the "Safford"; but that is not all—IT IS ABSOLUTELY NON-LEAKABLE.

It has a free and positive circulation, because the openings are so large that there is nothing to retard the

HOT WATER OR STEAM

—within a minute after the heat is turned on it circulates through the pipes. The Safford cannot leak, because it has SCREW THREAD NIPPLE CONNECTIONS. Send for illustrated catalogue of

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FINE BUILDERS' HARDWARE.

Cor. King and Victoria Streets ...TORONTO

SAVAGE REPEATING RIFLE
.303 CAL.



Hammerless
Smokeless
Six-Shooter

New 1899 Model

AGENTS:
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Toronto, RICE LEWIS & SON
Quebec, CAVERHILL, LEARMONT & CO.

LATEST and **FINEST** Rifle manufactured.

Write for complete Catalogue W.

SAVAGE ARMS CO., Utica, N.Y., U.S.A.

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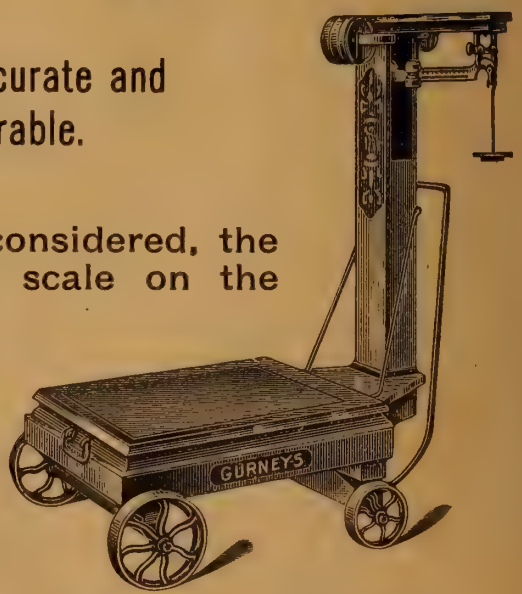
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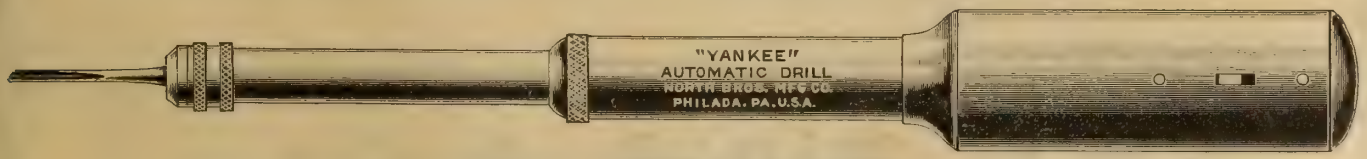
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Pure Manila 650-ft. to the lb.

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Standard

These Twines will not bunch at the knotter, and a Binder will run all day with them without stoppage, thus saving time, annoyance and an endless lot of trouble.

We pack our twine in bags of the size of ordinary grain bags and are not ashamed to put our name upon them. Don't take any other.

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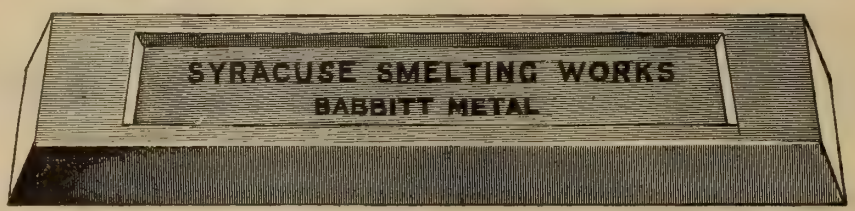
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Children's Delight, Satisfying to all, Perfectly Safe, Very Strong, Most Restful and Invigorating.

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- A perfect Can at a low price.
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HARDWARE AND METAL

Vol. XI. MONTREAL AND TORONTO, AUGUST 19, 1899. No. 33

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Treasurer, HUGH C. MacLEAN Toronto.

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THE BINDER TWINE SITUATION.

RETAIL hardwaremen throughout the country are not likely to reap this season the good profits on binder twine that they did last year. In fact, there is no question about it.

Last year they were handsome; this year they are the opposite.

In the first place, the supply is larger than it was last year, both the home and the foreign manufacturers being in the field to a larger extent. Then, as far as Ontario is concerned, the demand is not as extensive as it was in 1898, the wheat crop being less, while the straw is proportionately shorter than the yield of wheat. And, of course, the less straw there is the less binder twine is there necessary to bind it.

These conditions would naturally have a bearish influence upon the price of the stocks held, but this influence has been accentuated by the fact that a great many retailers throughout Ontario began peddling twine among the farmers in their respective neighborhoods, when they began to gather an idea of the prospects.

But while, however, the profits of the retailer are smaller than they were last year, those of the manufacturers are larger, for the prices at which they sold are higher than they obtained in 1898.

To-day, there are retailers in Toronto who are quoting pure manila binder twine as much as ¾c. per lb. below factory figures.

In view of the enormous yield in Manitoba it is possible, however, that the general condition of the binder twine market in Canada may improve. But that, of course, remains to be seen.

SCARCITY OF IRON AND STEEL.

There has been another advance in crude iron prices in the United States since a week ago, No. 1 foundry at Pittsburg jumping $2 the ton to $23 since last Wednesday. Billets also continue firm at $35, and all iron and steel material is the same. Some idea of the situation may be gathered from the fact that the Cramp shipyards at Philadelphia have been compelled to let off 1,000 men, not because there is no work for them, but owing to the fact that it is impossible to get delivery of iron and steel material sufficient for the the yards to carry out all their work. In Canada, also, similar instances have been noted, the work on the big Grand Trunk general offices in Montreal being blocked at present because the contractors cannot get delivery of the steel material for the big metal skeleton on which the masonry is to be constructed.

NEW CUSTOMS REGULATION ON HARDWARE.

The Montreal Metal and Hardware Association held a special meeting this week, President McMaster in the chair, to consider an anomaly in the Customs regulations regarding metal and hardware. As is well known, the rules permit the Department to collect duties based on the market price of the article imported, and not on the face value of the invoice. Of late the rule has been more or less inactive, but, now that prices of hardware have been advancing by leaps and bounds, it is being put into force. Importers have from time to time made purchases for future delivery, and in many cases the present market price is anywhere from 10 to 100 per cent. higher than what the goods coming in were bought at and paid for. Until a fortnight ago these goods have been coming in at the prices at which they were invoiced at, and not the current market value. Now, however, the Department has decided that the regulations shall be put in force. So far, only the large ports of entry have been notified of such a change, and the Montreal association at Tuesday's meeting decided to make representations to the Minister of Customs, urging him to enforce the regulation in question at all ports of entry, so as to obviate discrimination against the importers at large ports of entry, as contrasted with those who declare and clear their imports at the smaller subports. This is the old matter of a uniformity of appraisement which HARDWARE AND METAL has long urged, and the only way to secure its practical application is to have a Dominion board of appraisement. Otherwise injustice will be certain some time or other under the enforcement of the regulation under consideration.

BRIGHT TRADE CONDITIONS IN CANADA.

IT is no exaggeration to say that never in the history of the Dominion were the trade conditions so good or the auguries for the future so promising.

The manufacturing industries have certainly never before reached such a high state of development, and they were certainly never so busy.

The difficulty with them now is not the securing of orders, but the filling of them. This is true of every branch of the manufacturing trades. Then merchants, wholesale and retail, have not much cause for complaint. They have, for some months, been experiencing a brisk trade, while payments have been as satisfactory as they have probably ever been.

The agricultural industry, which is after all the chief industry in the country, is in a better condition than for many years. The price of wheat is 1c. per bushel lower than it was a year ago, but cheese, butter, eggs and bacon are dearer than they have been in August during the last six years. In fact, one of the best evidences as to the condition of the farmer is the general manner in which he is repairing old buildings and constructing new.

The lumber industry is perhaps not as brisk relatively as most of the other staple industries of the country, but a good business, and one that is decidedly the best for some years, is being done. The demand, both at home and abroad, is better. Mail advices from Liverpool show that from January, up to July, the aggregate tonnage of lumber received from British North America was about 27,000 tons in excess of the same period last year. The exports of lumber the produce of Canada during the fiscal year ending June 30 last were $28,025,487, compared with $26,533,060 the preceding year, an increase of $1,492,427, or nearly 5¼ per cent.

Turning to the mining industries, they are beyond all peradventure in a more active condition than ever. This is particularly true of the gold, coal and copper mines.

One of the best barometers as to the commercial condition of a country like Canada is its railways. And in the reading of these we again find food for satisfaction.

The gross earnings of the two great systems in the country aggregated, for the seven months ending July 31, $29,171,761, against $26,887,880 for the same period in 1898. The earnings of the Grand Trunk were $14,116,398, against $13,240,498, and of the Canadian Pacific, $15,055,363, against $13,647,382.

Still another reliable trade barometer is the bank clearings. Leaving out of the comparison the cities of Victoria and Vancouver, which in 1898 had no clearing houses, we find that the aggregate clearings for the seven months ending July 31 were $874,737,024, an increase of 9.5 per cent. over the same period in 1898, and of 26.5 per cent. over 1897.

Turning to the exports of goods, the product of the Dominion, for the fiscal year ending June 30 last, the aggregate figures are not as favorable as those of the preceding year, being $6,726,588. But when one comes to analyze the figures there is more in them for congratulation than for commiseration. Here is a table showing the exports, for the two years, of home products, exclusive of bullion and coin :

	1898.	1899.
Mine	$13,998,655	$13,351,064
Fisheries	10,793,852	9,947,957
Forest	26,533,060	28,025,487
Animals and their products	44,242,825	46,688,229
Agricultural products.	33 234,004	23,014,314
Manufactures,	10,455,289	11,457,162
Miscellaneous	146,894	201,478
Total	$139,402,279	$132,675,691

The decrease, it will be noted, is more than accounted for by the falling off in "agricultural products." And the depreciation in the latter is neither due to the want of a market abroad or the want of the material to export : It was due to the activity of the home demand and to the fact that farmers were in a better position to hold their wheat and did so. And many of them are holding it yet. The increase of over $2,400,000 in animals and their products, of $1,500,000 in products of the forest, and of over $1,000,000 in manufactured goods may be accounted pretty good salve for the decrease in other particulars. But if that should not be sufficient it might be pointed out that the total export trade of the United States also fell off during the past fiscal year. And yet we know that the commercial activity experienced by that country during the fiscal year 1899 was the greatest in its history.

AN UNBUSINESSLIKE HOUSE.

IF the business transacted during the session of the Dominion Parliament just closed, was in proportion to the length of the session, the country would scarcely suffer if the House did not meet again for two or three years. But, unfortunately, there was no such proportion.

The House was in session five months, and the solid business transacted during that time could easily be crowded into five weeks.

The members were sent there to transact business, but business was the exception and party strife the rule. And in the party combats some of the members managed to keep their tongues going as many hours a day as a laborer is expected to wield his pickaxe.

The average member seems to have about as little concern for the business interests of the country as he has for the welfare of the party on the other side of the House.

The people of this country do not send representatives to Ottawa to rehash stump speeches which have already probably been rehashed a score or more of times. Neither do they send them to pass resolutions to prove the loyalty of this country to the Empire. The Empire is already possessed of the proof of this. Nor did they send them to the capital to libel each other in a way that would land them in goal if uttered outside the precincts of the House. They sent them there to do business. Because they did those things which they ought not to have done and left undone the things they ought to have done they are deserving of the strongest censure. And the business men in every constituency throughout the country should not hesitate to express to their respeciive representatives their displeasure at the unbusinesslike practices which were so characteristic of the last session of Parliament.

THE SCARCITY OF WORKINGMEN.

ONE result of the industrial activity noted this year is the general scarcity of labor. British labor statistics for June show that, during that month, the percentage of unemployed in Great Britain was smaller than in any month since 1890. During this month, changes in the rates of wages of about 51,500 workpeople were reported, all of whom received advances. The increases were mainly in the iron and steel, tinplate, and textile trades. Changes affecting about 5,200 workpeople were preceded by disputes, causing stoppage of work.

The Ironmonger, in commenting on the conditions of trade in Sheffield, states that two phases of the labor question are exciting interest in that city. One is the serious shortage of workmen in the rolling mills and heavy iron and steel branches, and the other, the unprecedented amount of Sunday labor which has lately been necessary. It is stated that 1,500 men work throughout every Sunday in five or six of the great works, mainly in the armor departments, and to a less extent on ordnance and engineering. It is also alleged that these men work 12, 18, and even 24 hours at a stretch, and that many of them get no Saturday respite.

A director of one of the large works concerned stated in an interview that the employers are doing all in their power to extend their plant, in order to enlarge their ordinary workingday output, but are literally compelled to work their men on Sundays.

The Metal Worker, in an article on the Central Western States, states that workingmen are in active demand in that district. Many establishments are unable to get out their full product because of a shortage of men. The scarcity is not confined to skilled workmen, but common laborers are also in extremely short supply. Instances are cropping out of blast furnaces and rolling mills just starting up whose operations are seriously handicapped for the want of sufficient workmen.

The same conditions are observed in the industrial centres of Canada. Not for years have there been as few unemployed as is the case to-day. The Inspector of Factories for Ontario, in a recent interview, stated that it was the rule, rather than the exception, this year for factories to be working late into the night.

In Toronto, the improvement to the streets has been delayed, owing to difficulty in securing unskilled labor. In nearly all of the building trades there is a shortage of labor.

Most of the iron and steel manufacturers in Montreal, Toronto, Hamilton, Brantford and London have raised the wages of their employes 10 per cent. or more.

PIG TIN REACTS.

THE pig tin market has recorded considerable reaction during the past week, prices at Singapore dropping £4, to £143, and at London £2 10s., to £143 7s. 6d. Whether this is the beginning of the reaction that some students of the market have predicted is difficult to say, but it certainly seems unreasonable to expect that the frantic advance in tin, which is clearly due to manipulation, can be maintained. The following statistics from The Iron Age give the visible supplies, shipments from the Straits, and quotations by the month for the period covered by the operations of the French syndicate and the present movement :

	Visible supply at the first of each month.	Shipments from Straits during month.	Quotations at end of month. New York.	London. £	s.	d.
1887.						
January	11,808	1,250	$22 65	101	15	0
February	11,696	1,350	22 50	101	10	0
March	11,534	2,300	22 50	102	0	0
April	11,749	1,600	22 60	102	15	0
May	11,218	1,200	23 00	103	17	6
June	10,889	2,050	23 30	102	10	0
July	10,871	1,050	23 50	105	2	6
August	10,5 8	2,575	23 10	102	15	0
September	11,573	1,625	23 25	104	15	0
October	11,907	2,725	28 50	120	0	0
November	12,966	2,400	34 50	165	10	0
December	14,053	2,630	36 65	167	0	0
1888.						
January	18,094	3,875	36 90	170	0	0
February	20,424	2,625	36 25	166	0	0
March	22,499	1,750	36 00	166	0	0
April	23,403	1,500	24 00	106	0	0
May	23,516	650	19 50	85	15	0
June	20,403	225	17 0	75	2	6
July	16,092	875	20 10	89	7	6
August	13,966	2,225	22 00	97	12	6
September	12,140	2,050	23 70	103	17	6
October	11,451	2,650	23 00	102	0	0
November	11,913	1,650	22 15	101	5	0
December	12,478	2,470	22 15	100	5	0
1898.						
January	29,855	4,650	13 85	63	2	6
February	31,137	2,950	14 20	64	16	3
March	28,800	4,450	14 35	65	3	9
April	28,058	3,100	14 65	65	12	6
May	26,534	3,070	14 87½	67	11	3
June	24,834	3,450	15 40	70	11	3
July	23,515	4,275	15 62½	71	8	9
August	24,739	3,500	15 75	72	2	6
September	24,012	3,600	16 17½	74	3	9
October	24,067	4,275	18 37½	83	11	3
November	22,913	3,600	18 45	83	10	0
December	21,703	2,850	19 00	86	1	3
1899.						
January	20,131	3,550	24 62½	111	7	6
February	20,131	4,800	24 00	107	0	0
March	20,630	3,700	24 12½	109	12	6
April	21,037	3,150	25 75	118	8	9
May	20,129	3,700	25 70	117	18	9
June	20,485	3,400	26 62½	120	15	0
July	18,768	4,055	33 00	145	15	0
August	19,001	.....	*30 50	*137	15	0

*Closing quotations, Friday, August 4.

A SILLY ARGUMENT PRICKED.

AS everyone who has at all studied the matter knows, the route to China and Japan is much shorter from Vancouver than from San Francisco.

This fact has made the Canadian route to the Orient so popular as to incur the displeasure of some of the newspapers in California. Naturally, they have been looking for arguments in favor of the route from their own country. And the conclusions the Seattle and San Francisco papers have arrived at are to the effect that, while the Canadian route is the shorter geographically, this is minimized by the fogs and storms which are alleged to prevail on the northern route.

If this were so, the time occupied by the steamers, in making the respective routes, would reflect it. But figures which have recently been published show that they do not. The following table gives the average time taken by the steamers on the Canadian route during the years 1895 to 1898 :

	West-bound. Hrs.	Min.	Ea t-bound. Hrs.	Min.
1895	303	41	285	16
1896	303	30	289	32
1897	298	36	287	44
1898	302	32	287	16

Now the schedule time of the boats running from San Francisco and Yokohama via Honolulu is as follows : West-bound, 439 hours ; east-bound, 363 hours. On the basis of this time and the distance via Honolulu the schedule time between San Francisco and Yokohama direct would be ; Westbound, 425 hours ; eastbound, 351 hours. The speed of the San Francisco lines, according to their schedule is : West-bound, 12½ knots ; east-bound, 12.9 knots.

The boats running from Vancouver, which are of course owned by the C.P.R., easily maintain an average speed per annum of 14½ knots west-bound and of 15 knots east-bound.

If the Seattle and San Francisco papers want to create arguments that will tell against the Canadian route to the Orient, it is obvious they will be compelled to construct it out of better material than they have hitherto.

Perhaps we may be able to help them. Everyone knows the air of the ocean is pure and bracing, and that, therefore, the longer you are on it the better. We merely suggest this as an outline. The San Francisco and Seattle papers can do the filling in.

ABOUT CLERKS.

THE following opinions, written for an exchange by a merchant, are well worthy the attention of not only the clerks, but employers generally :

Help.—It is a mistake to employ clerks who do not properly look after their employer's interest. A customer gets his impressions of the house by the treatment he receives from its clerks. He may be repelled or drawn towards them.

Attracting Trade.—A business, to be successful, must have power to attract and hold custom. A clerk who fails to do his share in this direction is a positive injury, and should be dismissed.

Elements of Success. — The success of many men in business has not been solely their shrewdness, but ability to correctly read human nature and surround themselves with efficient and reliable help.

Qualifications.—Some of the qualities of the good clerk are loyalty to his employer, alertness in attending to the wants of customers, politeness and geniality of manner, honesty and industry.

Disloyal Clerks. — The disloyal clerk should be promptly discharged. He may be bright, intelligent and industrious, but he will do his employer harm. He will be continually making unfavorable comparisons between his employer's business and others in the town, sparing no pains to inform those who will listen to his twaddle how much better the business might be run. Nothing suits him about the store and he scatters the seeds of discontent among his fellows.

Artful Dodgers.— The clerk who dodges out of sight when a customer enters, instead of approaching him with a smile and pleasant word, is also a hindrance.

Bashful Clerks.—It may be diffidence or natural disposition which keeps him in the background and allows his less experienced comrade to go to the front, but the employer should keep his eye on his men and encourage the timid ones to throw off their modesty and always be prepared to greet people promptly.

Courteousness—Politeness and geniality go a long way in holding trade, but with it the clerk must be well informed and qualified to intelligently explain the goods he attempts to sell. Gruffness and curtness are calculated to repel buyers.

Punctuality.—Promptness in sending out parcels has much to do with the welfare of a business.

An Instance in Point.—A party bought some goods at a store and asked that they be delivered that evening. Through carelessness of the clerk, however, who waited upon the lady the goods were not sent as requested. The next day was very rainy in the morning and it was supposed that noon would do. But before that time the customer, who probably thought the establishment considered her unworthy of credit, called and informed the salesman that he need not trouble to send her parcel, adding that there were other hardware stores in town, leaving the store without waiting for explanations.

ALUMINUM IN ANTIQUITY.

AN incident in Roman history is recalled by The Stoves and Hardware Reporter, which seems to indicate that aluminum, instead of being new, may be only another new discovery of an old process. It is related by Pliny that during the reign of the Emperor Tiberius a certain worker in metals appeared at the palace and showed a beautiful cup made of a brilliant white metal that shined like silver. In presenting it to the emperor the artificer purposely dropped it.

The goblet was so bruised by the fall that it seemed hopelessly injured, but the workman took his hammer, and in the presence of the court speedily repaired the damage. It was evident that the metal was not silver, although almost as brilliant. It was more durable and much lighter.

The emperor questioned the man, and learned that he had extracted the metal from an argillaceous earth—probably the clay known to modern chemists as alumina. Tiberius then asked if anyone besides the worker knew the process, and received the proud reply that the secret was known only to the speaker and Jupiter.

The answer was fatal. The emperor had reflected that if it were possible to obtain such a metal from so common a substance as clay, the value of gold and silver would be reduced, and he determined to avert such a catastrophe. He caused the workshops of the discoverer to be destroyed, and the luckless artificer to be seized and decapitated, so that his secret might perish with him. It is quite possible that the wanton cruelty of Tiberius deprived the world for a long time of the valuable metal known as aluminum.

There are other accounts which come down to us of castings which the ancients made in metal, the process of which has been entirely lost. That this casting was done on a gigantic scale, equal to or exceeding anything in the present day, is evidenced by the existence of huge iron pillars, the date of whose manufacture is unknown, but which are still standing in different parts of India. The application of metals to industrial uses, in a more or less crude form, dates from almost the beginning of time.

AVOID CHANGES IN SALES FORCE.

IT is certainly not advisable, says The Stoves and Hardware Reporter, for the merchant to make changes in his sales force unless he is absolutely compelled to by unavoidable circumstances. Owing to a restlessness and frequently exaggerated desire on the part of clerks to change around under the delusion that they are bettering themselves, it is inevitable that the merchant should be obliged to employ clerks who are not always as competent or satisfactory as the old ones. But where it is possible to retain clerks who are competent in most respects, it should be done ; for, the longer a clerk is in one position, the better he is fitted to serve his employer and promote the interests of the business as well as his own. Countless blunders are made by new clerks, who are unacquainted with prices, location of goods and methods of selling them. Customers are continually annoyed by this ignorance, and business is often delayed by it. Employes who have in turn become employers, and who have risen to positions of prominence in the commercial world, have made it a point to remain with the same firm when they saw the possibility of securing what appeared to be better positions elsewhere, but which in reality would not be as advantageous and secure as the one they had. Of course, there are many exceptions to this rule, but it is a good plan for the merchant to make every effort to retain clerks who have an intimate knowledge of the business, and it is also well for the clerk to regard it as a stroke of diplomacy to make himself indispensable to the business and become conversant with all its various departments. Though conscientiousness is one of the most desirable attributes which an employe can possess, it is for almost that very reason one of the rarest. When it is discovered in a clerk, he may be considered a pearl of great price, which should not be parted with under any consideration. Real worth and merit are the most valuable things in the world, and should, therefore, receive due consideration and adequate remuneration.

WIRE NAILS
TACKS
WIRE
Prompt Shipments
The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

THROUGH FAILURE TO SUCCESS.

THE following story, told by Brains, is true from beginning to end, and it tells how one man made a success out of a failure: "A young man being compelled to leave college because his father could not afford to keep him there, took a position as office boy in his father's office. By keeping his eyes and ears open and his mouth shut, he learned many things about the inside workings of the business of which he had never dreamt. He always supposed that his father's business was making money, but he soon found that, instead of making, the business was losing. His father was borrowing on the outside for the support of the business.

"A year or so after the son began his business career, his father failed for many thousands of dollars. The strain under which the 'old man' had been laboring was too much, and his health gave way. The support of the entire family fell upon the son, but instead of looking for employment in a line of business of which he knew nothing, he went to his father's creditors and requested that he be allowed to continue the business for a short time. So earnest was his appeal and so forcible was his talk on his father's failure, the previous conduct of the business, and what he believed he could do with it that the creditors agreed to let him try his hand for a short time. The worst period of the year was just approaching, but, undaunted by the outlook, he started the work of putting the business on a paying basis. He recognized one grand principle of success, and that was to make every one of his employes earn more than his salary for the business. He insisted on strict economy, and he carried out the latter principle to almost a miserly point. But the little savings in every quarter amounted to quite a large item at the end of the month. Some of the older employes in the establishment told him in a friendly way, that he would turn out to be a slave driver and a miser if he were not careful, to which he always replied that he was doing it then so that he would not have to do it later on.

"One month after the son had taken charge of the business he went to the creditors with a detailed statement. He had lost money, but not as much as his father had during the preceding month, which, by the way, was a better month for the business. He was allowed to continue for one more month, at the end of which time the creditors declared they would quit unless he came out at least even. By cutting and shaving and saving a little more here and there, he managed to come out even at the end of the month, much to the surprise of his creditors. From that day on he made the business pay, not so much by increasing the volume of trade as by making that which he already had carry the business along.

"A small business, started in a small way, gradually pushed to the front, is far more apt to become a success than the one which is started with one grand blast of trumpets and beating drums and then left to fall back for business on the first great hurrah."

PAINT ADAPTABILITY

is an important factor in paint-making and paint-selling.

One paint for all surfaces will not do. A "paint all" is as impractical as a "cure all."

It has therefore been our life study to make a separate paint for each surface. We have taken into consideration the varying conditions, have made chemical and practical tests without end, until to-day we stand ready to supply every possible painting demand with its best and most adaptable painting material.

Each one of these paints represents the highest development in paint-making. For covering capacity, durability, easy-working qualities, economy, beauty and uniformity in color they all far excel any other goods on the market.

THE SHERWIN-WILLIAMS CO.

PAINT AND VARNISH MAKERS.

Canadian Division:
21 St. Antoine St.,
Montreal.

CLEVELAND.
CHICAGO.
NEW YORK.
MONTREAL.
BOSTON.
TORONTO.

BETTER THAN THE KLONDYKE.

Two years ago the wheat crop of Manitoba and the Northwest Territories was placed at 16,000,000 bushels. Last year it was about 25,000,000 bushels.

This year, it is estimated by competent authorities, such as W. W. Ogilvie, the Montreal flour miller, that the crop will be at least 40,000,000 bushels, and, if favorable weather continues throughout the next few weeks — the harvesting period, the production will be fully 50,000,000 bushels.

The wonderful wealth of the Klondyke has often been extolled of late. This year the clean-up is estimated at between $12,000,000 and $20,000,000.

It can be seen at a glance that the wealth of the wheat areas of the Northwest is still greater than the golden regions in the valley of the Yukon.

What this remarkable development of our wheat areas means to the business men of both Western and Eastern Canada will be harder to figure out. One of the first results of good crops is always increased demand for the necessities and luxuries of home life. And this case is not likely to be an exception.

MORE IRON WORKS FOR SYDNEY.

A despatch from Sydney, C.B., says that another huge iron and steel works, eclipsing even the Whitney establishment now being erected at Sydney, will be located at North Sydney. Information has been received from England that a deal is about to be consummated to merge the Nova Scotia Steel Company, of New Glasgow, N.S., and the General Mining Association. The latter is the oldest coal company in Cape Breton. The directors are Englishmen. Its mines are at North Sydney. A representative of The Nova Scotia Steel Company has been in England for some time consulting with the directors of the coal company. The new concern's plant at North Sydney will include a shipbuilding plant, steel rail plant and dock. The company own iron mines at Belle Isle, Newfoundland, and it is said that 300,000 tons of ore have been sold in Europe for immediate delivery. The concern will have a capital of $25,000,000, principally English. The price to be paid for the General Mining Association coal mines is not stated.

BRAINS IN BUSINESS.

MANY of the most successful means to success have been chance hits, which those who have profited by them have had the wisdom to make the most of; but we do not remember ever coming upon a circumstance of this nature that was based upon quite so apparently trivial cause as one related in our New York contemporary, Hardware. A certain tradesman found, it is related, in a consignment of wrapping paper for use in his shop an odd roll of a bright red color, which, by some mistake, had got mixed with the more sober hued article he was accustomed to use. Instead of sending it back or putting it aside, as he was first disposed to do, and as most men would have done, an idea occurred to him as bright as the paper itself. Saturday was approaching, a big shopping-day in the market town in which he lived, and he advertised a special sale for that day, sprinkling his advertisement with the mysterious words, "Watch the Red Bundles." Then he distributed the brilliant wrapping paper throughout his shop, and gave orders that no other was to be used. The mystery of the enigmatical lines in his advertisement first directed general attention to his shop, and as the gay-colored parcels began to appear on the streets, more and more people flocked to "Murphey's," and more and more lively grew the thoroughfares. The result was big business, and any amount of outside talk and questions and explanations. Everyone who was carrying a red-covered parcel had to explain how and why, and the shopkeeper telegraphed that very afternoon for some more of the red paper, and he still keeps that line standing in his advertisements: "Watch the Red Bundles." He has made a fortune, and he traces it all, or nearly all, to that lucky mistake which gave him his first big start. But if he had not had a few brains he would probably have missed the chance after all.

COPPER AND ITS MANUFACTURES.

No class of our exportation shows a more rapid growth than that of copper, says an exchange. This is due both to the increased demand in all parts of the world for copper, which has arisen largely by reason of the increased use of electricity, of which copper proves the most acceptable conductor, and to the further fact that the United States has become the world's largest producer of copper ore, and that of a superior quality. The bulk of the exportation of copper, while classed as manufactures, goes abroad in the lowest form of manufacture, namely, ingots and bars. Naturally a very large proportion of the copper exported goes to European countries, which, in 1898, took over $30,000,000 worth of the $31,075,636 worth exported in that year, $8,079,164 going to the United Kingdom, $8,081,661 to the Netherlands, $6,770,671 to France, $3,704,937 to Germany, and $3,270,549 to Belgium. Under the head of manufactures of copper, the total exportation in 1898 amounted to $1,105,236, of which $298,584 went to the United Kingdom and $620,083 to Canada. Of brass, which is composed of about two parts copper and one part zinc, the exportations have also grown very rapidly during the decade, having been in 1889 but $321,137 in value, against $1,320,093 in 1898.

HONEST GOODS

IVER JOHNSON

Guns
Revolvers
Bicycles

HONEST PRICES

Send for Catalogue.

Iver Johnson's Arms & Cycle Works

FITCHBURG, MASS.

BRANCHES—
NEW YORK—99 Chambers St.
BOSTON—408 Washington St.
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Use Gilbertson's Tinplates

for the following reasons:

They are heavily coated with Tin.
They are of soft Siemens quality.
They are noted for deep stamping qualities.
They are the best for canning purposes.
They cost NO more than inferior brands.

Gilbertson's make the following brands and qualities:

"Gwyned," Coke Finish,
"Regina," Coke Finish,
"Comet," Charcoal Finish,
"Lincoln," Charcoal Finish,
"Crown," Charcoal Finish,
"Pontardawe," Best Charcoal Finish.

BE PARTICULAR to ask for these brands when ordering from your jobbing house. They can be supplied in all sizes and weights.

GILBERTSON'S TERNEPLATES

"Regina" brand

This is a superior plate and heavily coated—a good roofing plate that will give satisfaction to your customers.

Wholesale Only.

ALEXANDER GIBB

Agent for Canada. 22 St. John Street, MONTREAL.

H. S. HOWLAND, SONS & CO.

ONLY WHOLESALE

37-39 Front Street West — TORONTO

THE AMERICAN POWDER MILLS

CELEBRATED

GUNPOWDER

UNSURPASSED BY SIMILAR GRADES OF ANY MANUFACTURE.

Dead Shot Sporting Powder

in 25-lb. Kegs.

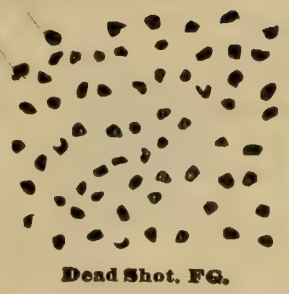
Dead Shot Rifle Cartridge Powder

in 25-lb. Kegs.
in 6¼-lb. Tins.

Fuse
Gun Wads
Cartridge Cases

Metallic Cartridges
Loaded Shells
Gun Wads and **Primers**

"DEAD SHOT"



Dead Shot. FG.





Dead Shot. FFG.

A most remarkably and universally popular Brand for general ***FIELD*** and ***TRAP*** shooting. Has for thirty years steadily grown in favor in the United States. ***STRONG, UNIFORM,*** can be ***USED ALL DAY*** without cleaning the gun: being a ***MOIST BURNING*** Powder, it is, for every day use, the sportsman's favorite. ***DEAD SHOT*** is packed in air-tight metal packages, each containing twenty-five pounds.

Schultze (English)

— Hard-Grain —

Smokeless.



Best White Powder Made.

— ALSO —

Pieper's B. L. Guns, Winchester and Marlin Rifles.

H. S. HOWLAND, SONS & CO., Toronto.

Large Assortment. Graham Wire and Cut Nails are the Best. Close Prices.

THE CHANGES OF THE WEEK.

THE following changes in prices or discounts show that the market is firm throughout, with an upward tendency manifesting itself in all lines changed :

ALL ROPES DEARER.

Owing to the blockade of Manila, the manufacturers of rope the world over are already short of material. This has resulted in higher prices everywhere. In Canada, manila and sisal ropes are both 1c. dearer, while New Zealand has advanced 1½c. New Zealand is now quoted at 11c.; sisal, 7-16 in. and larger, 11½c., and manila, 7-16 in. and larger, 13c. Lath yarn has also been advanced from 8¾ to 10c., a rise of 1¼c. this week.

STEEL WIRES UP.

The manfacturers of smooth steel wire again advanced the price of smooth steel wire, oiled and annealed. The price is now $3, as compared with $2.85 quoted last week, which shows an advance of 15c.

The discount on fine steel wire has been reduced from 25 per cent. to 17½ per cent. factory.

Clothesline wire, too, is higher, the price now being $3.30, as compared with $2.75 to $3.

One of the greatest advances of the season has been made by the manufacturers of picture wire, which has been advanced fully 150 per cent. The extent to which this advance will be followed by Canadian jobbers will depend largely on the stocks they hold at present. The estimated consumption of picture wire in the United States and Canada is but $100,000. This, distributed amongst a number of factories, does not mean very great business, but the advance just noted will swell receipts considerably.

WHITE ZINC PAINT DEARER.

Jobbers and wholesale dealers have advanced the price of white zinc paints 1 to 1½c. Pure white is now quoted at 8 to 9c.; No. 1, 6 to 7½c., and No. 2, 5 to 6½c.

LINSEED OIL ADVANCED.

Linseed oil is advancing in England. The United States market is unchanged, but prices there are too high for competition in this market. The result of these conditions is an advance of 1c. per gal. in both Montreal and Toronto markets. The price at both points is now 58c. for raw and 61c. for boiled.

TURPENTINE HIGHER.

In sympathy with steady advance in the primary markets, the price of turpentine has been advanced 4c. per gal., the price in Montreal and Toronto now being 76c. Three weeks ago turpentine was quoted at 64c., so the advance for three weeks amounts to 12c. per gal.

HINGES HIGHER.

Canadian makers have raised the price of heavy T and strap hinges 1c. per lb. The 4-inch hinges are now selling at 6c.; 5-inch at 5¾c.; 6-inch at 5½c.; 8-inch at 5¼c., and 10-inch at 5c.; wrought butts have also been advanced.

M.L.S. TINPLATES ADVANCE.

The price of M.L.S. tinplates has been raised 25c. per box. The prices for this week are : I.C., $6 50; I.X., $7.75; I.X.X., $9.

MISCELLANEOUS ADVANCES.

Lanterns have been advanced 50c. The prices now ruling are : $7.50 per doz. for "Cold Blast," and $8.50 per doz. for "Wright's" No. 3.

The past week has witnessed a large increase in the price of sash weights. Sectionals have risen from $1.75 to $3.25 per 100 lb., and solids from $1.25 to $1.50.

Japanned and N.P. door knobs have been advanced 10c., the price quoted now being $1 per doz.

Copper bull rings, 2½-in., have advanced 10c. They are now selling at $2.50.

DISCOUNTS REDUCED.

The discount on cast steel and malleable Canadian rakes has been reduced from 60, 10 and 5 per cent. to 60 and 10 per cent., revised list.

The discount on Canadian locks has been lowered from 50 to 45 per cent.

Discounts on steel black M. and carriage section wagon box rivets, etc., have been reduced from 60 to 55 per cent.

The discount on Broad's draw knives has been dropped from 75 to 60 per cent. That on Warnock's has been changed from 50 and 10 per cent. to 60 per cent.

Wrought brass butts are now net, revised list, whereas, last week, there was a discount of 10 per cent., revised list. The discount on first joint wrought steel butts is lowered from 70 and 10 per cent. to 60 and 10 per cent.

WINNIPEG'S JULY TRADE.

During July last Winnipeg exported goods to the value of $167,859, as compared with $112,015 in 1898, showing an increase of $55,844, almost 50 per cent.

In the same month the imports of that city amounted to $766,279, as compared with $698,927 last year, showing an increase of $67,352, or about 10 per cent.



COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps. Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS
BALL BEARINGS

Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA


COATES' CLIPPERS

HAND AND POWER, easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel, and will not heat. 1899 catalogue ready.
Coates Clipper Mfg. Co.
WORCESTER, MASS




Pullman Sash Balance Co.
Makers of the
"Pullman" Hardware Specialties
Main Office and Works,
Rochester, N.Y., U.S.A.
On sale all round the globe.

Size, ⅜-inch.

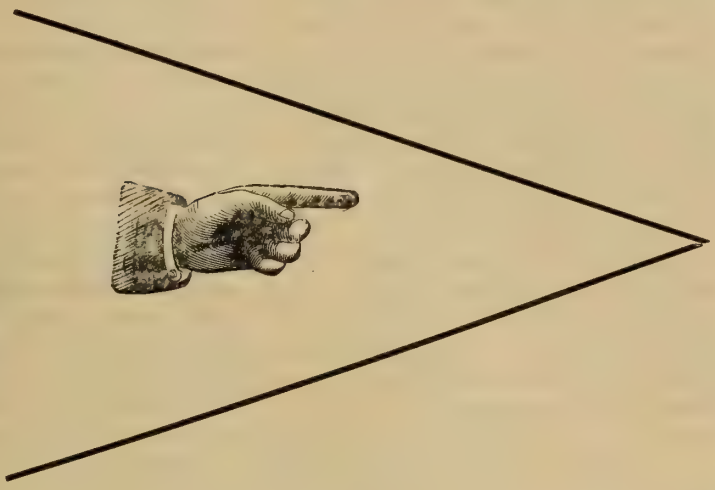

Cheapest IN THE WORLD.
J. M. LITCHFIELD
458 Quincy St., Brooklyn, N.Y.

FOR SALE.
A NEW MARLIN RIFLE
Never been used. Just the Rifle for practice. Price $30. Will take $20.
19 Board of Trade, Montreal

SHIELD BRAND
Sheathing is the
BEST.
Ask your dealer for it.
Manufactured by
Lockerby & McComb
65 Shannon Street, MONTREAL.

The Canada PAINT Company Limited

THE LEAD THAT LEADS THEM ALL





For **Iron, Steel,** and for all bridges, exposed and **structural** work The Canada Paint Company's **DIAMOND GRAPHITE PAINT** is the ideal non-corrosive covering. One gallon will cover 1,000 square yards—and do it well!

Ample stocks and quick shipments of everything required by the Painter from our Factories at Montreal and Toronto.

The Canada Paint Company, Limited

MONTREAL **TORONTO**

Short Snider Rifles



We offer a limited number of these rifles, complete with Sword Bayonet and in good serviceable condition, as follows:

In case lots (20 in a case), each - - **$3 50**
Less than case lots " - - **4 50**

Net cash f. o. b. Montreal. Quotations for Ball or Shot Ammunition on application.

Lamplough & McNaughton

59 St. Sulpice St. **Montreal.**

COLLECTING OLD ACCOUNTS.

IT appears that an unpaid bill of long standing keeps the debtor away from the creditor's store as effectively as though a plague were raging there, says The Dry-goodsman.

How unfortunate it is that debtors who may be unable to pay, have not got the gumption to tell a merchant plainly that they are unable to pay their bills, that they will do so just as soon as they are able, and that until they are able they will continue to trade with their creditor and pay cash for what they buy. Action of this nature would rob bad bills and losses of their sting.

When a person fails to meet his bills, and through this cause ceases to deal with his creditors, the creditor should not hesitate to speak to the debtor regarding the matter, and say: "Mr. Can't Pay, you know you owe me for some goods bought of me. I realize the fact that you cannot pay me just now, but I know that you will do so just as soon as you are able. Now, I want you to keep on trading with me. Your cash trade is just as good to me as anybody else, and I believe I am entitled to it. I won't bother you about that bill. I know it will be all right some time."

If you succeed in getting their trade back, just treat them as though they didn't owe you a penny. You may find it profitable.

Business rivalry in a town should not prevent the merchants in a town from having a little credit bureau of their own. They should exchange confidential reports to each other regarding the accounts and standing of the people in the community, but the privilege should not be abused by anyone.

When mortgages on crops are taken as security for goods sold it can hardly be considered a credit transaction, although many losses are entailed when crops prove failures. It would be advisable when a doubt exists as to the quality of such security to have an extension clause in the mortgage covering crops for two or more successive years. In this way a merchant continues his protection at least a year longer.

Many merchants cannot afford to give credit even though they may feel disposed to do so, because of their limited capital.

The refusal of credit should always be made in such a way as to give no offence to the person asking it.

Refusing credit in a cold or harsh manner reacts strongly to the disadvantage of a merchant, as those who are refused may speak ill of a merchant who refuses them, and being spoken badly of is not conductive to the profit or progress of any man, be he a merchant or not.

A very safe plan for a merchant beginning business, or even an old-established one, to pursue is to limit his credit to an amount that will approximate his net profit on cash sales. By closely following this rule, he will be always in a position to keep up very satisfactory communication with his own bases of supply, and, should a merchant's creditors press him hard occasionally, he will find it very convenient to be able to show a stock of goods equal or excessive in value to the amount of their claims. A merchant will find this to be a splendid implement to extend the patience of his creditors should it be necessary.

Summing up the credit question, it may be likened unto a business tonic, which, used according to the directions of prudence and wisdom, proves very healthy to business, but used without much consideration and in an uncautious manner, proves very disastrous and destructive.

WOMEN AS INVENTORS.

Some of the most valuable, as well as important, inventions, have been patented by women, among which may be numbered the first cook stove, a permutation lock having 3,000 different combinations, a machine for making screws (invented by a little girl), which revolutionized that industry, and the valuable Burden process of making horseshoes, which resulted in a saving over the old process of many millions of dollars per year. The first patent to a woman was granted in 1806, and since then the number has increased to many thousands. These facts are interesting not only because indicating the rapid and almost marvelous growth of woman's intellect, but also from the fact that the inventive genius of women invades fields one would scarcely credit her with any interest in, much less knowledge of. We would not be surprised that a hatpin, a corset or a glove-fastener, should be invented by women, but when we learn that such inventions as telescopes, making marble from limestone, dams and reservoirs are evolved, people begin to be interested. In Canada, also, women are becoming interested in inventions, as is evidenced by the number of women applicant seeking patents through Marion & Marion, of Montreal.

A HOT WEATHER PUN.

A leading iron firm that sends out a weekly bulletin on metals has, according to The American Artizan, perpetrated a clever mot in the last issue of the same, as they say, referring to the week ending August 5: "During the week mercury has been the most active of metals and has reached the century mark without apparent effort." Lead and iron and zinc and tin may all be climbing rapidly, but they will have to take their hats off to the metal named.

WILL THERE BE A PIG IRON FAMINE?

It has frequently been reported that a pig iron famine is imminent. Taking the figures of the weekly production of the country, compiled for the month of July, and it seems almost incredible. All the available furnaces in the country are now in blast. Now and then a number of those running will have to be taken out of blast for repairs. New furnaces of enormous capacity are under construction, and these will add 3,600 tons per week as each is put in blast, while many other furnaces are being enlarged.

The weekly capacity is 269,032 gross tons, which, multiplied by 50 running weeks, gives a total capacity of 13,451,600 gross tons. Taking the losses of pig iron while it is being reworked into finished shapes, which is sometimes estimated at 10 per cent., and there still remain something over 13,000,000 net tons of finished material. Is the country consuming and exporting this amount of finished material? Estimating the price of material at $35 per ton, and the 13,000,000 tons of finished material will approximate $445,000,000, but at ruling prices it will be found that $500,000,000 for steel and iron products will be nearer the correct figure, providing present prices continue for one year. It is doubtful if a pig iron famine will result in this country, although it is well known that under present conditions there is none to spare for export. —American Manufacturer.

A UNIQUE FOUNTAIN.

At the Greater Britain Exhibition, at London, the Government of Queensland, Australia, has on display a fountain of quicksilver, which probably attracts the greatest attention of the exhibition. One of its striking features is that a few ordinary household flatirons float in the bottom basin, as the density of the mercury supports iron as water does wood. The fountain consists of two basins, one above the other. These are of iron, enameled black, to give a greater effect to the falling quicksilver, the top some five feet in diameter, and the lower one three feet larger. The mercury runs into an upper bowl from a height, and thence by little channels around the edge into the lower basin. The supply is so arranged that there is almost continual flow. The arrangement can scarcely be called a fountain in the ordinary acceptance of the word, for the difficulties of dealing with such a heavy body as mercury are too great to allow of a jet.

PERSONAL MENTION.

Mr. W. H. Cottingham, general-manager of the Sherwin-Williams Paint Co., Cleveland, sails to-day on the steamer St. Louis from Liverpool en route to Cleveland.

TIN AND TINPLATES.

THE question of the future supply and price of tin has come to the front with considerable force during the past few weeks, says Metal Worker. The recent extraordinary rise in the price of the metal to a point 120 per cent. above the price a year ago is attributed to speculation in London, based upon short supplies and an increased demand, and in the judgment of authorities in the trade there is more chance of higher than of lower prices ahead. This matter is one of close concern to the tinplate trade, where the possibility that the supply of tin may, in the near future, fail to meet the increasing demand, is a more serious one than the dearness of the metal, a factor which may be readily eliminated by a corresponding advance in the price of tinplates. It is shown that the supply of tin from primary producing points fell off in 1898 as compared with several years preceding, and the output of the current year does not seem, so far, to show an increase at all adequate to the great expansion in the consumption of tin in this country. The visible supply, in fact, was several thousand of tons less on July 1 last than it was a year ago, while deliveries into consumptive channels are materially larger than they were last year. In other words, while the consumption of tin has been steadily increasing, the supply has not only not increased but has actually diminished. This is the condition that has brought about the recent extraordinary upward movement in the price of the metal.

As illustrating the increased consumption of tin in the manufacture of tinplate, the following table is of interest :

	Tinplate exports from United Kingdom.	Tinplate production in United States.	Total.
1891	448,379	1,000	449,379
1892	395,449	18,400	413,849
1893	379,233	55,000	434,233
1894	353,928	74,000	427,928
1895	365,982	112,500	478,482
1896	266,965	155,800	422,763
1897	271,909	256,598	528,507
1898	251,760	326,915	578,875

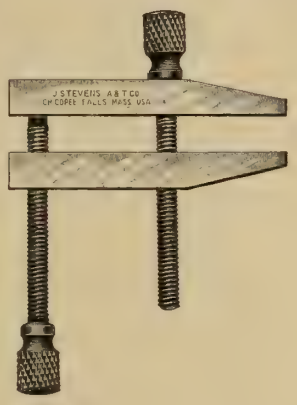
This table, of course, does not include the production of other countries, which is small, however. There are no data relative to the production of Wales, so that the exports must be used. Consequently this takes out of consideration the English home consumption, which is of some importance. It suffices to indicate, however, one direction in which the consumption of tin has increased materially in the past two or three years. It also brings out a fact, often forgotten, that the transfer of the larger part of the tinplate business from Wales to this country has been coincident with increased requirements.

FOR YOUNG CANADIANS.

Don't wait until the iron's hot,
But make it hot by muscle.
Don't wait for the wealth your father's got,
Take off your coat and hustle.

What a year 1900 is to be! What a time for the young Canadian hustler—the rapid stenographer, the expert bookkeeper and the nimble telegrapher! They will all be wanted just as surely as that bright year is coming around. A start now will put you with the successful ones, and we can start you aright. Will you send us your name and let us tell you how? It is no trouble to us, and will benefit you.

W. H. SHAW, Prin. CENTRAL BUSINESS COLLEGE, Toronto, Ont.



STEVENS FINE TOOLS

We make a perfect line of

CALIPERS and DIVIDERS

Also such tools as Surface Gauges, Tool Makers' Clamps, Center Punches, etc.

Write for our New Catalogue containing a description of our Tools. It is also a valuable hand-book of information for mechanics and people interested in such lines.

J. Stevens Arms & Tool Co.

P.O. Box 216, Chicopee Falls, Mass., U S.A.

Carried by our representatives at Toronto and Montreal.

SPECIALS

FOR FALL TRADE.

Hickory Baskets, ½ Bushel.
Splint Root Baskets, 1, 2 and 3 Bushel.
Willow Root Baskets, 1 and 2 Bushel.
Cinder Sifters.
Self-Wringing Mops.
Churns, all sizes and patterns.

Place orders early to insure prompt delivery. We guarantee quality of all goods we send out. Your money back if you are not satisfied. We are headquarters for all lines of

BRUSHES, BROOMS, WOODENWARE, Etc.

Boeckh Bros. & Company,

Manufacturers, 80 York St., Toronto, Ont.

MARKETS AND MARKET NOTES.

QUEBEC MARKETS.

MONTREAL, August 18, 1899.

HARDWARE.

BUSINESS in wholesale hardware circles has been fairly active for the season of the year, and values all around maintain the buoyant tendency that has characterized them since the beginning of the year. Builders' hardware is notably strong, and a good movement is maintained in nuts, bolts and screws. Other lines have shown less activity.

BARBED WIRE — Trade is quiet and prices unchanged, at $3 f.o.b. factory, and $3.10 to $3.15 in a jobbing way.

SMOOTH STEEL WIRE — There is little to report in this line, except a fair movement in bay-baling wire. Prices are unchanged at $2.85 f.o.b. factory.

GALVANIZED WIRE—There is a moderate movement in this line of material. We quote the base $3 for No. 9.

FINE STEEL WIRE—Quiet and steady at 20 per cent. off list.

BRASS AND COPPER WIRE — Remain the same, at 50 and 2½ per cent. on brass, and 45 and 10 per cent. on copper wire.

FENCE STAPLES—Unchanged: $3.05 for bright and $3.65 for galvanized per keg of 100 lb.

FINE STAPLES—Quiet and steady. Discounts are: Cooper, 55; poultry netting, 45, and electrician, broom, bed, etc., 40 per cent. off.

WIRE NAILS — Prices are steady at the rise, $2.80 per keg for standard nails, with the miscellaneous list 75 per cent. discount.

COPPER WIRE NAILS—Remain at 50 per cent. off list.

CUT NAILS—Continue quiet at $2.25 per keg f.o.b. the usual delivery points.

FLOUR BARREL AND COOPERS' NAILS—Without feature. Flour barrel 30 and coopers' nails 35 per cent. off list.

BOAT NAILS — Moderate inquiry and steady at 33⅓ per cent. discount on black and galvanized.

GALVANIZED ROOFING NAILS — Steady, at 8c. per lb. and 15 per cent. off list.

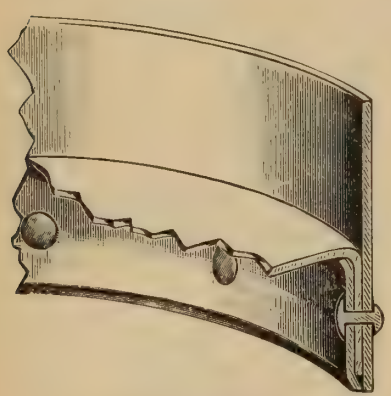
PRESSED SPIKES — Quiet, with discounts the same, at 30 per cent.

HORSE NAILS — Trade quiet and discounts unchanged, at 50 per cent. on standard and 50 and 20 on Acadia.

HORSESHOES — A moderate demand is to be noted. We quote as follows: Iron shoes, light and medium pattern, No. 2 and larger $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4; X L steel shoes, new light pattern, No. 2 and larger, $3.90; No. 1 and smaller, $4.15; featherweight, all sizes, Nos. 0 to 4, $5.15; and toe weight steel shoes, all forward, all sizes $6.25 f.o.b. Montreal, St. John, N.B., and Halifax, N.S. Delivered f.o.b. in Toronto, Hamilton, London and Guelph 10c. per 100 lb. extra.

SCREWS — Inquiry for screws is still fair. Discounts are as follows: Flat head, bright, 80 and 5 per cent; round head do., 75 and 5; flat head, brass, 75 and 5; round head do., 67½ and 5.

BOLTS—In fair request and steady. Discounts are as follows: Carriage bolts, 5-16 and smaller, 55 per cent.; ⅜ and up, 50 per cent.; full square bolts, 65 per



Section of Bottom.



NOT THIS KIND

OF

MILK CAN TRIMMINGS,

BUT

Something New

IS WHAT OUR TRAVELLERS WILL BE SHOWING YOU ON THEIR NEXT TRIP.

IT will pay you to see this new invention before placing your orders.

IT HAS EVERYTHING TO RECOMMEND IT.

The McCLARY MFG. CO.

LONDON, TORONTO, MONTREAL,
WINNIPEG, VANCOUVER.

Our new bottom (patent applied for) is made of one piece of heavy steel,

and is so made that it has:

No Place for Dirt to Lodge.

No Sharp Edges to Tear the Flooring.

No Hoops to Break or Tear Away.

We supply a stranger with galvanized iron right off, unless a regular customer gets ahead of him.

They're thick now.

Apollo Iron and Steel Company, Pittsburgh.

Cements { PORTLAND, ROMAN, KEENE'S

Bricks . . { FIRE, BUILDING, PAVING

Sand . . . { SILICA FIRE, MOULDING, BUILDING

F. HYDE & CO.
31 Wellington street, MONTREAL

English Castor Oil
GUARANTEED PURE.
Pharmaceutical, Tasteless, Cold Drawn
First Pressure
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In cases of 2 tins and in barrels. Stocked by all Hardware, Oil and Color men.
The Hull Oil Manufacturing Co.
LIMITED
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CANADA IRON FURNACE CO., Limited
Manufacturers of
CHARCOAL PIG IRON
MONTREAL.
BRAND "C.I.F." THREE RIVERS
PLANTS AT
Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.
Geo. E. Drummond,
Managing-Director and Treasurer

cent.; machine bolts, 55 per cent.; coach screw bolts, 67½ per cent., and sleighshoe bolts, 72½ per cent.

NUTS AND WASHERS — The same can be said of these. We quote: Square, 3¾c. and hexagon 4¼c. per lb.; discount off list. Washers in 50-lb. boxes are 50 per cent. discount.

RIVETS—Trade fairly brisk. Discounts are: Black and tinned, 45 per cent.; ditto burrs, 40 per cent.; copper rivets and burrs, 35 per cent.

CORDAGE — There is not much business doing. We quote as follows: Manila, 7-16 and up, 12c.; ⅜, 12½c., and ¼ and 5-16, 13c. Sisal, 10¾c. for 7-16 and up; 11¼c. for ⅜, and 11¾c. for ¼ and 5-16. Binder twine: Pure manila, 10½c.; 550 feet, 10c.; sisal, 500 feet, 9½c.

WRINGERS — Business quiet and prices the same at $48 to $60, as to brand, with 45 per cent. discount.

BUILDING PAPER—Business is moderately good. We quote: Plain building, 28c.; tarred lining, 35c.; tarred roofing, $1.40, and carpet felt, $2.25.

CUTLERY—Orders for forward delivery are coming in well.

SPORTING GOODS—Without change, with inquiry fair for firearms and ammunition.

CEMENT—Mail advices from London have been somewhat easier in tone, and indicate that manufacturers would shade prices on large contracts, but advices from other foreign makers continue as firm as ever. Locally, a fairly active jobbing trade has been done, there being a good demand for small lots, and prices show no change. We quote: Belgian, $1.90 to $2.10; English, $2.30 to $2.40, and German, $2.45 to $2.65, per cask ex wharf.

FIREBRICKS—There is a steady demand for firebricks and the market is active, with prices unchanged at $17 to $23 per 1,000, as to brand, ex wharf. Receipts for the past week were 80,000, as against 30,500 for the previous one, making a total to date of 1,279,400.

METALS.

The heavy iron and metal market continues strong, but there are no important changes to report this week in spot values.

PIG IRON—The pig iron market remains firm, No. 1 Summerlee having sold at $24 for round lots, and we now quote $24 to $25, as to quantity.

BAR IRON—The firm feeling is maintained, and nothing can be bought here under $2 f.o.b.

BLACK SHEETS — These are held firm at the rise noted last week. We quote: 8 and 16, $3; 18 and 20, $2.40; 22 and 24, $2.60; 26, $2.65, and 28, $2.70.

TINPLATES
"Lydbrook," Best Coke,
"Allaways," Charcoal,
"Dominion Crown," Best Charcoal,
are brands that you can swear by.
A. C. LESLIE & CO.
MONTREAL.

FOX
All-Steel Sash Pulleys
THEY require no Screws—this means a saving of a gross of screws on every six dozen Pulleys.
THEY can be applied quicker than any other Pulley.
THEY are cheap, strong and durable.
NO NAILS NO SCREWS
JUST BORE FOUR HOLES
AIKENHEAD HARDWARE CO.
Toronto.

ADAM HOPE & CO.
30 JOHN STREET N.
Hamilton, Ont.
PIG TIN
PIG COPPER INGOTS
PIG LEAD
ANTIMONY
TIN, and CANADA PLATES

NOVA SCOTIA STEEL CO.
Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
Open Hearth Steel

HOOP IRON—Firm and unchanged at $2.60 to $2.70.

STEEL — Firm, and stocks are extremely light. We quote as follows : Sleighshoe and tire, $2.50; spring, $2.75 ; machinery, $3, and toe calk, $3.

GALVANIZED IRON—An active inquiry is noted, but stocks are light and business is restricted. We quote as follows: Queen's Head, $4.55 to $4.80 ; Comet brand, $4.30 to $4.55, according to the size of the order.

INGOT COPPER —This market is steady, and local quotations are unchanged at 19½ to 20c.

INGOT TIN—There is an active demand, and values are firmly held as last noted at 36c.

PIG LEAD—Firm outside and unchanged here at $4.25 per 100 lb.

LEAD PIPE—Dull but steady. We quote as follows : Ordinary, 7c., and composition waste, 7½., with 20 per cent. discount.

IRON PIPE — There is a good business doing. We quote : Black pipe, ⅛ and ¼-inch, $3.12 ; ½-inch, $3.09; ¾-inch, $3.72 ; 1-inch, $5.14 ; 1¼-inch, $6.82 ; 1½-inch, $8.66 and 2-inch, $11.02. Galvanized pipe, ⅛ and ¼-inch, $5.64 ; ½-inch, $6.64 ; ¾-inch, $7.41 ; 1-inch, $10.12 ; 1¼-inch, $14.03 ; 1½-inch, $17.16, and 2-inch, $23.

TINPLATES—These are firmly held at last week's rise. We quote: Coke, I.C., $4.40; charcoal, I. C., Allaway or Comet brands, $4.80; do. I. X., $5.05; Lincoln, $5; P. D. Crown, $5.30; do. I. X., $5.80 ; Bradley's, $6.25.

CANADA PLATES — Continue firm at the rise, and prices point still higher. We quote as follows : 52's, $2.60 ; 60's, $2.70 ; 75's, $2.80 ; full polished, $3.25 ; galvanized Canada plates, $4.55 for 52's.

TERNE PLATE—No further change is noted in ternes, which we quote at $7.50.

COIL CHAIN--Quiet and steady. We quote: No. 6, 10¾c.; No. 5, 9¼c.; No. 4, 8¼c., and No. 3, 7¼c. per lb.; ¼-inch, $6; 5-16, $4.75; ⅜, $4.25; 7-16, $4.10; ½, $4; 9-16, $3.95; ⅝, $3.85 ; ¾, $3.65, and ⅞, $3.55 per 100 lb.

SHEET ZINC — Remains stiff at 7½ to 7¾c.

ANTIMONY—Unchanged, at 10 to 11c.

SPELTER—Nothing special to report, prices being steady at $7.

GLASS.

There is no change in window glass. We quote as follows : First break, $1.90 ; second, $2 for 50 feet ; first break, 100 feet, $3.60 ; second, $3.80 ; third, $4.25 ; fourth, $4.50 ; fifth, $5 ; sixth, $5.50, and seventh, $6.

PAINTS AND OILS.

Turpentine has continued the interesting feature of this market, a further advance of 4c. being established this week in sympathy with the advance at primary markets, which continue very excited. Business is over in paris green, and leads and paints are steady as last quoted. Linseed oil is 1c. per gallon dearer.

WHITE LEAD—Best brands, Government standard, $6.00 ; No. 1, $5.62½ ; No. 2, $5.25 ; No. 3, $4.87½.

DRY WHITE LEAD—$4.75 in casks; kegs, $5.

RED LEAD—Firm ; casks, $4.75 ; in kegs, $4.50.

WHITE ZINC PAINT—Pure, 8c.; No. 1, 6½c.; in oil, pure, 9c.; No. 1, 7½c.

PUTTY –We quote : Bulk, $1.65 ; bladders, in bbls., $1.80; bladders, in cases, $1.95; in tins, $2.05 to $2.30.

LINSEED OIL — Raw, 58c. ; boiled, 61c., five to nine-barrels, 1c. less, ten and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—Single barrels, 76c.; two to four barrels, 75c.; two to four-barrel lots, 1c. less, five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Firm ; $1 to $1.20 per gallon.

CASTOR OIL—Firm ; 7½ to 8c.

SEAL OIL—35½ to 37½c.

COD OIL—35 to 37½c.

NAVAL STORES—Fair demand for all lines, and prices show no change: Resins, $2.75 to $4.50, as to brand; coal tar, $3 to $3.50 ; cotton waste, 4½ to 5½c. for colored, and 6 to 7½c. for white ; oakum, 5½ to 6½c., and cotton oakum, 9 to 11c.

PETROLEUM.

In moderate request. We quote as follows: Crown Acme, the new Sarnia oil, 15½c. ; Perfection and Silver Star, Canadian refined, 14½c.; American prime white, 17c.; water white, 18c., and Pratt's astral, 19½c., in small quantities.

HIDES.

Steady and unchanged. We quote : Lambskins, 40c. Beef hides, 9, 8 and 7c., while calfskins are 11 and 9c.

COAL.

As last reported. We quote : Stove, $5.75; chestnut, $5.75; egg, $5.50; Scotch grate, $6; Scotch steam, $4 to $4.50; Tower ports steam, $3.50 to $3.75.

Two carloads of machinery, consisting of a boiler, engine, shafting, lathes, etc., and a car of firebricks have arrived for The Abbott-Mitchell Iron and Steel Co. The machinery has been unloaded and will be erected in the east end of the spike factory, where it will be used to make bolts and other iron work needed in the construction of the building.

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.

'WELLINGTON' KNIFE POLISH

JOHN OAKEY & SONS, LIMITED

MANUFACTURERS OF

Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.

Wellington Mills, London, England.

Agent:

JOHN FORMAN, 644 Craig Street

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STEEL LETTERS and FIGURES.

If your Jobber does not keep our steel letters and figures send to us direct, we make everything in steel stamps.

HAMILTON STAMP & STENCIL WORKS

Hamilton, Ont.

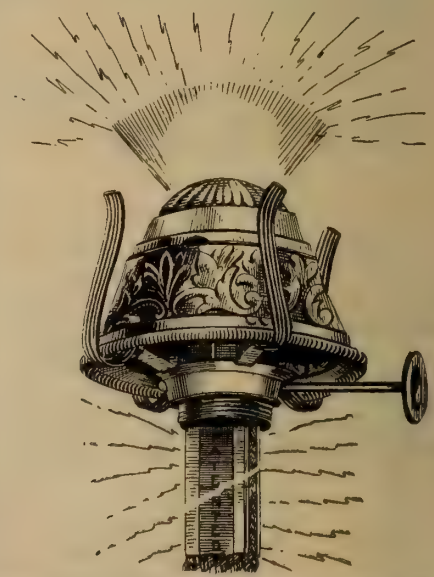
1879 ESTABLISHED 1879

ESSEX HANDLE and WOOD TURNING WORKS.

Late of Essex, now LEAMINGTON ONT.

Makers of Axe, Fork, Rake, Hoe, Sledge, Broom, Hammer, and all kinds of Handles. Neck Yokes, Singletrees, and Doubletrees, Bench Saws, Exercise Clubs, Baseball Bats, etc., etc. Do you sell any Shaved Pattern and Octagon Axe Handles? The largest and best trade in Canada does, because they give best satisfaction. **All stock air-dried,** not kiln-dried. If you are going to be in it, place your order with

GARDNER BROS. & CO.



This light we claim produces a steady incandescent light, double the value of ordinary, and consumes less oil (Canadian prefered). Requires snuffing only once in two months—does not smoke—chimneys need no wiping. Positively without smell. Why? Because our automatic battery produces an electric current from the chemicals of the oil which carbonizes the wick, thus, the above results. Less explosive. Will fit any lamp. Sells at sight. Write for prices.

ELECTRIC PETROLEUM LIGHT CO. TORONTO.

JOHN BOWMAN HARDWARE & COAL CO.

London, Ont.

For further supplies of **BINDER TWINE, write us.**

Shipment Prompt. Prices the Lowest.

ONTARIO MARKETS.

TORONTO, August 18, 1899.

HARDWARE.

THE feature of the market this week is the change in prices made by Canadian manufacturers of cast hardware, who have made advances ranging from 10 to 50c. on the various lines made by them. The manufacturers claim that not only the scarcity of raw materials but also the higher prices they are now compelled to pay, have compelled them to at last follow the American manufacturers in making the advances noted. The movement of general hardware continues active for the season. The demand seems to apply to all lines. Sales to Ontario points are rather of the smaller order, but many good shipments are being called for from Manitoba, the Northwest and British Columbia.

BARBED WIRE—Business continues quiet, with prices unchanged at $3.25 f.o.b. Toronto.

SMOOTH STEEL WIRE—The demand is somewhat better. An advance of 15c. is noted in the base price of oiled and annealed wire, which is now quoted at $3 per 100 lb. Clothesline wire, 19 gauge, is also 30c. dearer, the present price being $3.30. Haybaling wire continues in good demand.

GALVANIZED WIRE — A moderate but steady demand is noted. We quote as follows: Nos. 6, 7, 8 gauge $3.40; No. 9, $2.90; No. 10, $3.50; No. 11, $3.55; No. 12, $3.05; No. 13, $3.15; No. 14, $3.90; No. 15, $4.50; No. 16, $4.65.

WIRE NAILS—Prices continue firm, but are as yet unchanged at $2.75 as a base price.

CUT NAILS — Continue quiet, at $2.25 f.o.b. Toronto, Hamilton and London.

HORSE NAILS — Very little doing. We quote: Standard, oval head, 50 per cent.; Acadia, countersunk head, 50 and 20 per cent.

HORSESHOES—A fair business in noted. Prices are firm, but unchanged. We quote as follows: f. o. b. Toronto, Hamilton, London and Guelph: No. 2 and larger, light, medium and heavy iron shoes, $3.60; snow shoes, $3.85; light steel shoes, $4.00; featherweight shoes, all sizes, $5.25. No. 1 and smaller, light, medium and heavy iron shoes, $3.85 per keg; iron snow shoes, $4.20; light steel shoes, $4.15; featherweight steel shoes, all sizes, $5.25.

SCREWS—The demand continues brisk. Prices are steady. No change. We quote as follows: Flat head bright, 80 and 5 per cent. off the list; round head bright, 75 and 5 per cent.; flat head brass, 75 and 5 per cent.; round head brass, 67½ and 5 per cent.; flat head bronze, 67½ and 5 per cent.; round head bronze, 62½ and 5 per cent.

BOLTS — The activity in the demand is well maintained. We quote as follows: Norway bolts, full square, 65 per cent.; common carriage bolts, 5-16 and under, 55 per cent.; ditto, ⅜ and larger, 50 per cent.; ditto, full square, 65 per cent.; machine bolts, all sizes, 55 per cent.; coach screws, 67½ per cent.; sleighshoe bolts, 72½ per cent.; blank bolts, 55 per cent.; bolt ends, 62½ per cent.; nuts, square, 3¾c.; nuts, hexagon, 4¼c.; tapping nuts, 60 per cent.; tire bolts, 60 and 10 per cent.; stove bolts, 60 and 10 per cent.

RIVETS AND BURRS—An improvement in the demand is noted. The discount off list on steel carriage section, wagon box. and black M rivets, etc., has been reduced from 60 to 55 per cent. The discount off list on Norway iron carriage, section, wagon box rivets, etc., has been increased from 55 to 60 per cent.

ROPE—There is still a little doing. The price of sisal and manila has advanced 1c. throughout. New Zealand is 1½c. dearer, and lath yarn has been advanced 1¼c. We quote as follows: Sisal, 7-16 in. and larger, 11½c. per lb.; ⅜ in., 12c.; ¼ and 5-16 in., 12½c. Manila, 7-16 in. and larger, 13c. per lb.; ⅜ in., 13½c.; ¼ and 5-16 in., 14c.; New Zealand, 11c. per lb.; Deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 10c. Clotheslines, 48 feet, 90c.; 60 feet, $1.20; 72 feet, $1.50; 100 feet, $2.

CHURNS — Trade has been somewhat better this week. Prices are steady. We quote: Metal frame—No. 0, $3; No. 1, $3.20; No. 2, $3.40; No. 3, $3.75; No. 4, $4.50; No. 5, $5.90. The price of wooden frames is 15c. per churn less than the above. Terms, 3 per cent. off 30 days f.o.b. Toronto.

WRINGERS — The demand keeps quiet, We quote as follows: "Leader," $60 per doz.; "Royal Canadian," $58; "Royal American," $48. Prices are all f. o. b. Toronto, Hamilton, Brockville, and Montreal. Discount, 45 per cent. Terms, four months, or 3 per cent. 30 days.

BUILDING PAPER—A good demand is noted. Prices are firm. We quote: Plain building, 28c. per roll; tarred lining, 35c., according to quality; tarred roofing felt, $1.40 per 100 lb.; carpet felt, $2.25 per 100 lb.

CUTLERY — A stiff feeling is reported. The demand keeps very active.

LANTERNS —The demand is brisk. Another advance of 50c. has been made in cold blast and Wright's No. 3 lanterns. We now quote: Plain cold blast, $8 per doz.; ordinary, with "O" burner, $4.50; "Dashboard," cold blast, $10; ditto, No. 0, $6.50; Wright's No. 3, $8. Japanning 50c. per doz. extra.

CEMENT — The demand continues brisk. As foreign Portlands are not offering in large quaatities, there is a heavy movement of the native article. We quote in barrel lots as follows: Canadian Portland, $2.65 to $2.90; English do., $3; German do., $3.10; Belgian do., $2.70; Canadian hydraulic cements, $1 to $1.10; calcined plaster, $1.90; asbestos cement, $2.50 per bbl.

WARE — There is a good movement of enameled ware, but tinware continues rather quiet.

METALS.

A strong tone is still manifesting. The demand for pig tin has quieted down somewhat, buyers looking for a reaction in prices. Holders, however, claim this is not in sight. Some lines of tinplates are 25c. per box dearer. Black sheets, 28 gauge, have also advanced 15c. The demand for all iron and lead metals continues unusually active.

PIG IRON—The situation is unchanged. Prices are firm and the demand heavy. We still quote : $21 f.o.b. Hamilton.

BAR IRON—An active demand continues with prices firm at $2 per 100 lb. base.

BLACK SHEETS—Trade continues good. There is an advance in 28 gauge, which is now quoted at $3.10.

GALVANIZED IRON—There is still an active demand. Stocks here are low. Quotations are unchanged at $25 for 28 gauge.

COPPER—There is a fairly good demand. Prices are well maintained. We quote : Ingot tin, 20 to 21c. per lb. and sheet, 23 to 23½c. per lb.

PIG TIN—The demand has eased off somewhat. Prices are fluctuating considerably in New York and London markets. No change is noted here, 37c. per lb. being the general quotation.

TINPLATES—A good trade is being done. M.L.S. plates are 25c. dearer. I.C., in the usual sizes, are quoted at $6.50 ; I.X. at $7.75.; I.X.X. at $9. Other brands are unchanged.

CANADA PLATES—The demand is unusually large. Import orders are now coming forward rapidly. We quote : All-dull, $2.75 ; half-polished, $2.85 ; all-bright, $3.20.

IRON PIPE —A big business is still being done. Prices are firm and unchanged. Quotations on black pipe are : ¼ to ⅜ inch, $3.35 ; ½ inch, $3.40; ¾ inch, $4 ; 1 inch, $5.50 ; 1¼ inch, $7.35; 1½ inch, $9.25 ; 2 inch, $12.50 ; 2½ to 6 inch, discount off the list 45 per cent. Galvanized pipe is quoted as follows : ½ inch, $6.50 ; ¾ inch, $8 ; 1 inch, $11; 1¼ inch, $15.25; 1½ inch, $19 ; 2 inch, $27.

PIG LEAD—Trade is fairly active. The market is advancing, but locally prices are yet unchanged at 4½ to 4¾c. per lb.

LEAD PIPE — The demand is improving. We quote : Ordinary pipe, 7c.; waste, 7½c. Discount, 20 per cent.

RANGE BOILERS—A brisk demand continues. We quote: Galvanized, 30 gals., $9; 35 gal., $10; 40 gal., $11. Copper, 30 gal., $22 ; 35 gal., $26 ; 40 gal., $30; discount off copper boilers, 10 per cent.

SHEET ZINC — The improvement noted last week is well maintained. Prices are unchanged at 8¼ for cask lots and 8½c. for smaller quantities.

SPELTER—The demand is rather less than it has been, but is still good. Prices are unchanged at 7½ to 7¾c. per lb.

SOLDER—The same causes that have led buyers to reduce their purchases of pig tin have lessened the sale of solder. Prices are unaltered. We quote : 21 to 22c. for half-and-half ; 20 to 21c. for refined, and 18 to 19c. for wiping.

ANTIMONY—A more active demand is noted, with prices steady at 11 to 11½c. for Cookson's.

SOIL PIPE—A big trade is being done. The discount is unaltered at 50 and 10 per cent.

PAINTS AND OILS.

A fair demand is noted. The market is still stiffening. Turpentine is 4c. and linseed oil 1c. per gallon dearer. White zinc paint is 1 to 1½c. dearer, pure being quoted at 8 to 9c., No. 1 at 6 to 7½c., and No. 2 at 5 to 6½c. Some dealers quote pure liquid paints 10c. dearer, but others are still selling at $1. White lead is firm, but unchanged. We quote :

WHITE LEAD—Ex Toronto, pure white lead, $6.12½; No. 1, $5.75; No. 2, $5.37½; No. 3, $5 ; No. 4, $4.62½ ; dry white lead in casks, $5.10.

RED LEAD—Genuine, in casks of 560 lb., $4.90 to $5 ; ditto, in kegs of 100 lb., $5.15 to $5.50; No. 1, in casks of 560 lb., $4.75 ; ditto, kegs of 100 lb., $5.

LITHARGE AND ORANGE MINERAL—Litharge, 6 to 6½c. ; orange mineral, 7½ to 8½c.

WHITE ZINC—Genuine, French V.M., in casks, $7 to $7.25 ; Lehigh, in casks, $6.

PARIS WHITE—90c.

WHITING — 55c. per 100 lb.; Gilders' whiting, 85c.

GUM SHELLAC—In cases, 20c. ; in less than cases, 24c.

PLASTER PARIS — Ordinary, $1.75 per barrel ; New Brunswick, $2 to $2.20 per barrel.

PUMICE STONE—Powdered, $2.50 per cwt. in barrels, and 4 to 5c. per lb. in less quantity ; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, $1 to $1.10 per gallon ; No 1 quality, 90c. per gallon.

SEAL OIL—59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9c. per lb. and 10c. for single tins.

LINSEED OIL — Outside western points (freight allowed) : Raw, 1 to 4 barrels, 59c.; boiled, 1 to 4 barrels, 62c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE — Outside western points, freight allowed, 1 to 4 barrels, 77c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for.

A Third of a Century

is a long period for the supremacy of a brand of horse nails to have been maintained. The "C" brand, made by us, has never been beaten in the contest for first place by our competitors. The only Gold Medal ever awarded in Canada for horse nails, was granted to us in competition with the world. Such a creditable record has not been obtained without good cause.

Temporary success is comparatively easy to obtain ; but for a manufacturer of horse nails to maintain the popularity of his brand year after year, as we have done since 1865, and over such a widely extended area as is comprised within the limits of the Dominion, from the Atlantic to the Pacific, it must have a more permanent basis than mere passing fancy. The "C" brand nails, when used, tell their own story : they represent the perfection of horse nail production. The basis of a good nail is good material. We use the best Swedish charcoal steel nail rods exclusively, which is the best known material for the purpose.

Our nails are all hot-forged from the rods, as in the old-fashioned hand hammered process, but with greater uniformity. The pointing and finishing processes are done by machinery used exclusively by our company. All our nails are carefully hand-picked, and we claim that not a single imperfect nail is to be found in a box bearing our name and brand. They are the most economical to buy and use, because they are the best, and every box warranted. They are the same price as other brands—and should be obtained from all dealers on our terms plus freight.

In ordering, specify for the "C" brand, made by

Canada Horse Nail Company,

MONTREAL.

Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

No import arrivals are yet noted. Stock prices are firm here. The European markets are advancing. We quote: Star, first break in 50-foot boxes, $2.15, and in 100-foot boxes, $4; double diamond under 25 united inches, $6, Toronto, Hamilton and London; terms 4 months or 3 per cent. 30 days.

OLD MATERIAL.

No change is noted. Prices are firm throughout. We quote as follows: Agricultural scrap, 55c. per cwt.; machinery cast, 60c. per cwt.; stove cast scrap, 45c.; No. 1 wrought scrap, 55c. per 100 lb.; new light scrap copper, 12½c. per lb.; bottoms, 11c.; heavy copper, 15c.; light scrap brass, 7½c.; heavy yellow scrap brass, 10c.; heavy red scrap brass, 11c.; scrap lead, 2½c.; zinc, 3c; scrap rubber, 4c.; good country mixed rags, 65 to 75c.; clean dry bones, 45 to 50c. per 100 lb.

HIDES, SKINS AND WOOL

HIDES -- There is a good demand at firm prices. We quote cowhides: No. 1, 8½c.; No. 2, 7½c.; No. 3, 6¼c. Steer hides are worth ½c. more. Cured hides are worth 9c.

SKINS—Prices are firm and unchanged, and a good demand absorbs all supplies. We quote: No. 1 veal, 8-lb. and up, 9c. per lb.; No. 2, 7c.; dekins, from 30 to 35c.; culls, 15 to 20c. Sheepskins are worth 90c. to $1, and lambskins, 35 to 40c.

WOOL—The bulk of this season's clip seems to be in the hands of dealers. These find little inquiry. No sales are reported yet. We quote fleece at 14 to 14¼c., and unwashed at 8 to 9c.

PETROLEUM.

Business is brisk. Prices are steady. We quote in barrels, Toronto, as follows: Canadian, 14c.; Sarnia prime white, 14c.; Sarnia water white, 15c.; photogene, 15½c.; American water white, 16½c.; Pratt's astral, 18c.

COAL.

Prices are well maintained. We quote as follows: Anthracite for August delivery at Buffalo and bridges: Egg, stove and nut, $4.50 per gross ton, or $4.01 per net ton; grate, $4.25 per gross ton or $3.79 per net ton.

MARKET NOTES.

Lanterns are 50c. dearer.

Oiled and annealed smooth steel wire is 15c. dearer. It is now quoted at $3 per 100 lb.

White zinc paint is 1 to 1½c. per lb. dearer.

Turpentine is advanced 4c., and linseed oil 1c. per gal.

Japanned and N.P. door knobs are 10c. per dozen dearer.

Sectional sash weights are $1.50 per 100 lb. dearer. Solids have advanced 25c. per 100 lb.

Sisal and manila ropes are 1c. dearer. New Zealand is advanced 1½c., and lath yarn 1¼c.

Since the wire nail markets went to press, word has been received of an advance of 15c. The base price is now $2.90.

DESIGNS AND PRICES.

Every merchant should feel ambitious to lead in his locality in all matters pertaining to designs and finish of goods as well as value says Stoves and Hardware Reporter. There is no more expense attatched to having all up-to-date goods before competitors can show them than it is to buy that which will not meet with as great popularity. With every facility for ascertaining just what is the most desirable and attractive, there is no excuse for the merchant having lines in stock which sell slowly or not at all. The importance of having staple goods—which have an assured position in the hearts of the people—in the store cannot be gainsaid. Nothing disgusts a customer with the store more than to call for a certain article, which is universally known, and then to be told that it is not in stock. As everyone knows, it is much less difficult to sell goods which have attained some prestige than it is to push others, which are less known and therefore less attractive. The best way for the merchant to build up a reputation is to have the goods when they are called for, and sell them at reasonable prices. If the efforts which some merchants put forth in trying to lower prices were more properly expended in devising some original methods for drawing customers to the store and securing trustworthy merchandise for them after they were there, it would be much better for all concerned in the matter. The merchant must be always taking the future into consideration when he is selling as well as buying goods, for it should be his earnest desire to make all patronage permanent.

"NEWS" IN ADVERTISING.

The trouble with most advertisers and advertising writers, says Advertising Experience, is that they have not the newspaper sense of what is "news." Items of knowledge that would be of the highest interest to the persons they are talking to are so familiar to the advertiser himself as to seem commonplace and hardly worth speaking of; yet, it is probable that the average man knows nothing regarding it, and would be thankful for the information. One advertiser of wide experience, who has been very successful in the preparation of "newsy" advertisements, makes the practice of finding out just what his friends and acquaintances know concerning his goods and their method of manufacture. Wherever he finds the slightest degree of ignorance, he promptly starts a "campaign of education."

The British Columbia Assay and Chemical Co. has been incorporated, with headquarters at Vancouver.

F. C. Marquis, glue manufacturer, Quebec, has sold out his business to parties representing the United States glue trust. The purchasers were Paul Galibert, Montreal; Alphonse Wheil, New York, and H. Lazaare, New York.



76,800 Daily Production
5 Factories
5 Brands

For Sale all over the world.

16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of America.

NICHOLSON FILE CO., Providence, R.I., U.S.A.

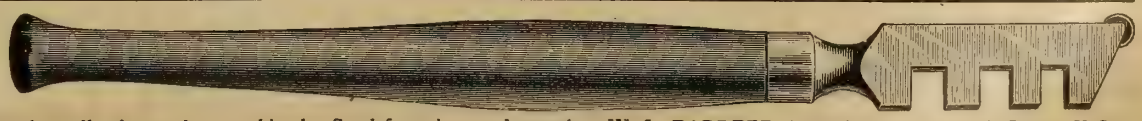
BRITISH PLATE GLASS COMPANY, Limited. Established 1773

Manufacturers of **Polished, Silvered, Bevelled, Chequered, and Rough Plate Glass.** Also of a durable, highly-polished material called "**MARBLETTE,**" suitable for Advertising Tablets, Signs, Facias, Direction Plates, Clock Faces, Mural Tablets, Tombstones, etc. This is supplied plain, embossed, or with incised gilt letters. **Benders, Embossers, Brilliant Cutters, etc., etc.** Estimates and Designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow 12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glass, St. Helens." Telephone No. 68 St Helens.

Barrett's Glass Cutters Standard

Barrett's Practical Glass Cutters are the standard the world over.



Sold by more Hardware Dealers than all other makes combined. Send for prices and sample. W. L. BARRETT, Manufacturer, Bristol, Conn., U.S.A

LONG CREDITS AND OVERBUYING.

THIS is the time when many ironmongers are deploring the names of long-winded customers upon their books, and many hardwaremen are concocting innocent, courteous billet-doux so as to entice their money from these customers, says The Hardwareman, London, Eng. It is at a time such as this when the hardwareman wonders if it pays to run a business on credit terms. It is so irritating to be continually pressed for money when there is so much money on the books. Then is the cash trader envied, and sundry resolutions come to, only to be broken when the next credit customer enters the shop.

It is well to remember, however, that as much harm is done and as much danger incurred by buying too heavily as by giving too much credit. If an ironmonger buys a dozen of any particular article when nine will do—and it is probable that this is one of the besetting sins of our trade—and if he buys £8,000 worth a year, it means that he has £2,000 worth too much stock. This means heavier depreciation, added expenses for warehousing, and not a penny to his turnover. When one is in difficulties, it is well to look facts well in the face and realize how we stand. We give credit because we want that sort of business, but it is necessary always to remember that we cannot have our money both in our books and in our stock.

A further disadvantage accruing from overstocking is, that there is no space to set out our goods attractively. It is probable that English ironmongers' windows are the least interesting in most thoroughfares. Generally speaking, a great mass of hardware is thrown into the window helter skelter, with the result that many a customer is lost.

They have learned this business in America, where the windows of hardwaremen are quite as attractive as drapers. When our commissioner was in Chicago he found himself gazing into a hardware window, and was quite fascinated. On looking up he saw in white enamel letters on the window glass these words :

COME IN—WE CAN'T TALK TO YOU THROUGH THE WINDOW.

Something of this might not be amiss in the Old Country.

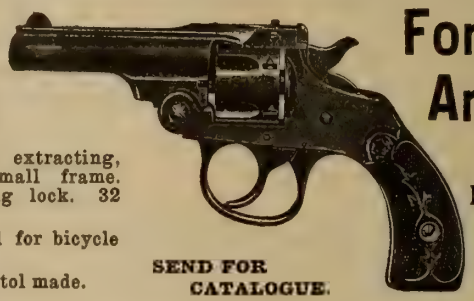
In a recent interview, J. A. Bain, of the Bain Wagon Co., Limited, Woodstock, Ont., stated that his firm will probably turn out 6,000 wagons this year. The demand comes from all the Canadian Provinces, but the Manitoba and British Columbia business shows greatest increase.

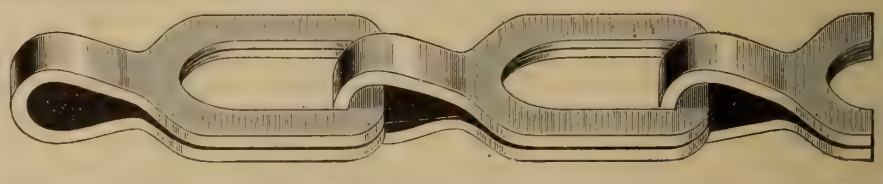
Deseronto Iron Co.
LIMITED
DESERONTO, ONT.
Manufacturers of
Charcoal Pig Iron
BRAND "DESERONTO."
Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

29 Years. Established 1870. 29 Years
SEASONABLE GOODS AT RIGHT PRICES.
Barbed Wire Fencing; Agricultural Implements; Bradley Tin; Builders' and Cabinet Makers' Hardware **Special**—A full line of Tinsmiths' Tools and Machinery—latest improvements.
SEYBOLD, SON & CO. - MONTREAL.

KNOX HENRY.
Heavy Hardware and Metal Broker
Room 220½ Board of Trade, MONTREAL.
SPECIALTIES—C Brand Horse Nails—Canada Horse Nail Co.
BOLTS—Tire and Stove Rivets of all kinds—Chalcraft Screw Co.
BRASS GOODS—Gunn Castor Co., Limited, Birmingham, Eng.

Hardwood CHARCOAL in Bulk or Sacks.
WOOD ALCOHOL equalling Methylated Spirits as a solvent.
Manufactured only by ...
THE STANDARD CHEMICAL CO., Limited
Factories { Fenelon Falls. Deseronto.
Gooderham Building, TORONTO

PERFECTION AUTOMATIC REVOLVER.

NEW Automatic shell extracting, double action, small frame. Weighs 12 oz. Rebounding lock. 32 caliber. 5 shot.
Made with shorter barrel for bicycle use.
The most perfect small pistol made.
SEND FOR CATALOGUE.
Forehand Arms Co.
Manufacturers of the
Forehand Guns
Worcester, Mass.

AMERICAN COW TIES
WILL OUTLAST ALL OTHERS.

This is because the form of the link, the exact size and shape of which are shown above, is such that the wear is distributed evenly over its entire end. The bearing surface is thus very large, and the chain will wear for years without becoming worn appreciably.
With other styles of chain the bearing surface is only a very small portion of the extreme end of the link. Grooves are soon formed, and in a comparatively short time the links are worn—or, properly speaking, cut—through.
These facts are well shown on a cow tie recently brought us for repairs. It was an ordinary No. 00 three chain tie. One chain was wire, the other two American. One of the wire links was worn entirely through. The others were nearly as bad—a strong pull would have broken almost any of them. With the American chains on the other hand, the wear was very slight, and hardly noticable—three times this amount would not have weakened the chains seriously.
In addition, because of its flat link and smooth surface, American chain is much easier for the neck of the animal than the twisted or wire chain. The American link cannot injure the animal's neck—other styles of link are very liable to.
American Cow Ties are made in all the standard patterns and sizes. They are sold by all jobbers.

ONEIDA COMMUNITY, Limited, NIAGARA FALLS, ONT.

MANITOBA MARKETS

WINNIPEG, Aug. 14, 1899.

THIS market shows one or two slight advances during the week, and an increased demand for building hardware. Otherwise, building is quieter than it has been through the season, but still better than at the same period last year. A number of changes are anticipated in the near future. We quote :

Barbed wire, 100 lb	$3 75
Plain twist	3 75
Staples	4 25
Oiled annealed wire, 10	3 16
" 11	3 22
" 12	3 35
" 13	3 40
" 14	3 50
" 15	3 60
Wire nails, 30 to 60 dy, keg	3 35
" 16 and 20	3 40
" 10	3 50
" 8	3 65
" 6	3 70
" 4	3 90
" 3	3 85
Cut nails, 50 and 60 dy.	2 65
" 20 to 40	2 70
" 10 to 16	2 75
" 8	2 80
" 6	2 85
" 4	3 15
" 3	3 40
" 3 fine	3 70
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No. 1	4 25
No. 2 and larger	4 00
Snow shoes, No. 0 to No. 1	4 70
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 70
No. 2 and larger	4 45
Extra light	4 65
Bar and band iron, $2.55 basis.	
Swedish iron, $5 basis.	
Tool steel, Black Diamond, 100 lb	8 75
Jessop	12 75
Sheet iron, black, 10 to 12 gauge, 100 lb.	3 25
14 to 26 gauge	3 50
28 gauge	3 60
Galvanized American, 16 gauge	4 25
18 to 22 gauge	4 50
24 gauge	4 75
26 gauge	5 00
28 gauge	5 25
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 55
26 gauge	8 80
28 gauge	8 00
Tinplate, IC charcoal, 20 x 28, box	10 00
" IX "	12 00
" IXX "	14 00
Ingot tin	38
Canada plate, 18 x 21 and 18 x 24	3 35
Sheet zinc, cask lots, 100 lb.	9 00
Broken lots	9 50
Pig lead, 100 lb.	4 50
Wrought pipe, black up to 2 inch	50 p.c.
" Over 2 inch	50 and 10 p.c.
Rope, sisal, 7-16 and larger	11 50
" ⅜	12 00
" ¼ and 5-16	12 50
Manila, 7-16 and larger	13 00
" ⅜	13 50
" ¼ and 5-16	14 00
Solder	22
Cotton rope, all sizes, lb.	15
Axes, per box	$6.00 to 8 00
Screws, flat head, iron, bright	75, 10 and 7½ p.c.
Round " "	70 and 10 p.c.
Flat " brass	70 and 10 p.c.
Round " "	65 p.c.
Bolts, carriage 5-16 and smaller	47½ p.c.
⅜ and larger	42½ p.c.
Machine	45 p.c.
Tire	50 and 10 p.c.
Sleigh shoe	65 p.c.
Rivets, iron	37½ p.c.
Copper, No. 8, lb.	33½c.
Spades and shovels	
Harvest tools	62½ p.c.
Axe handles, turned, s. g. hickory, doz.	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 65
No. 1	1 25

Among Other Things on the Toronto Fair Grounds you can see 55 Buildings Covered with our

EASTLAKE GALVANIZED SHINGLES

Our Eastlakes are the popular roof covering in Canada, because they have stood the test—and are always reliable.

The 5 new buildings erected this year on the Fair Grounds are covered with them.

If you're visiting the Fair why not call and see all our attractive lines of fireproof building materials of every description ?

All Exhibition cars pass our doors—and we'll make you welcome.

THE METALLIC ROOFING CO., Limited

Cor. King and Dufferin Sts., TORONTO,

Wholesale Man'frs. Near the Ex. Grounds.

Linseed oil, raw, per gal	61
" boiled "	64
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	25 p.c.
" military	15 p.c.
American R.F.	35 p.c.
C.F. pistol	5 p.c.
C.F. military	Net.
Loaded shells, Robin Hood, M	$20 00
Eley's soft, 12 gauge	15 00
chilled, 12 guage	16 50
soft, 10 guage	20 00
chilled, 10 guage	21 00
American, M	16 25
Shot, Ordinary, per 100 lb	6 50
Chilled	7 00
Powder, F.F., keg	4 75
F.F.G.	5 00
Robin Hood	10 00
Tinware, pressed, retinned	70 and 2½ p.c.
" " plain	70 and 15 p.c.
Graniteware, according to quality	60 p.c.
Turpentine, by barrel	70c.
Less than barrel	75c.

LAMPS.

The season is now at hand when the retailer must think of replenishing his stock of lamps, says Stoves and Hardware Reporter. They should be varied in assortment according to the pocketbook of the clientele to which the dealer caters. Everyone knows by this time what things of beauty lamps can be. However, it is also equally well known that the latter variety are generally quite expensive and are only in demand by the better class of trade. But there are styles in lamps which are quite pleasing and yet are not so very high in price. These are the kind that are most popular and which the retailer should strive most energetically to purchase. It has been said that there is no other line of goods so difficult to keep an unbroken stock of as lamps, nor is it always possible to readily gauge the demand for them. Decorated parlor lamps are always in request. Those with china bowls and shades and embossed decorations are quite cheap, yet equally attractive. These may be obtained with lavender, green and canary decorations, and when fitted with brass sun burners make lamps which would suit a fastidious taste which is not accompanied by a very fat pocketbook. Others equally desirable and yet cheap, are decorated with pastoral scenes on globes as well as shades. These have yellow, rose color and blue decorations on the bowl of the lamp, and are fitted with brass gallery burners. A somewhat more expensive style, which is even more pleasing, has a fancy, rounded and somewhat fluted bowl, tinted in delicate shades, with a conventional design in rose color, green and canary on the bowls and shades. Below these are sprays of flowers, forget-me-not spray, daisy spray and wild flower spray. The colors in these are pleasing and harmonious.

OUR TRADE WITH NEW ZEALAND.

Mr. J. S. Larke, Canadian commercial agent for Australasia, in his report to the Department of Trade and Commerce, on the trade between Canada and New Zealand, gives the exports for this colony to the Dominion for the year 1898 at $18,550, an increase of $13,400 on the previous year. The imports from Canada were $357,556, an increase for the year of $52,905.

Besides the increases, Mr. Larke says that the returns show "the introduction of small lots in many lines, showing activity and an interest in trade with Canada. Much of this was the result of the calling of the Canadian Australian steamers at Wellington. With the withdrawal of the line from that port this influence will cease, but if the Canadian manufacturers desire to continue the trade with New Zealand, what has been gained will be held and added to."

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

DANIELS & TILSON, general merchants, Burk's Falls, Ont., are offering to compromise.

H. Lafkovitz, general merchant, St. Tite, Que., has assigned.

Assignment has been demanded of Abraham Loyer, builder, Montreal.

Robert Conn, general merchant, Thornbury, Ont., has assigned to James Glanville.

Chestnut & Hopwell, carriagemakers, Woodstock, Ont., are offering 30c. on the dollar.

F. Gagnon & Fils, general merchants, etc., Baie St. Paul, Que.. are offering 25c. on the dollar.

Mrs. J. A. Blondin, general merchant, St. Maurice, Que., has assigned to Lamarche & Benoit.

The creditors of M. W. Ridley & Co., general merchants, Wales, Ont., meet in Toronto on August 18.

A meeting of the creditors of J. & P. Vadeau, general merchants, etc., Grand Cascapedia, Que., has been called for August 21.

PARTNERSHIPS FORMED AND DISSOLVED.

Jos. Dube & Cie., builders, Montreal, have registered partnership.

Wm. Williamson, dealer in hardware, etc., Medicine Hat, N.W.T., has admitted — McIntyre under the style of Williamson & McIntyre.

John Wyman and Isaac Hipson have registered partnership as general merchants under the style of Wyman & Hipson, East Pubnico, N.S.

Roderick R. McKenzie and Thomas H. Hartigan have registered partnership as general merchants under the style of Roderick R. McKenzie, North Sydney, N.S.

SALES MADE AND PENDING.

T. W. Dingwell, harnessmaker, Martintown, Ont., has sold out.

Wm. H. Reed, mfr. pumps, Milton, Ont., is advertising his business for sale.

Clinton J. Campbell, general merchant, etc., Duncan City, B.C., is selling out.

U. F. Drouin, wholesale and retail hardware dealer, Quebec, has sold his stock to J. E. Martineau at 51½c on the dollar.

May Bros. hardware dealers, Montreal, have bought out the hardware business of J. H. Gardiner & Co., plumbers and hardware dealers, Montreal.

CHANGES.

A. T. Davidson, sr., blacksmith, Bullock's Corners, Ont., has retired from business.

John Hart, blacksmith, Brucefield, Ont., has sold out to D. Campbell.

Pierre Malette, carriagemaker, etc., St. Eugene, Ont., is retiring from business.

James McDonald, blacksmith, Teeswater, Ont., has been succeeded by Thos.deGreer.

James Weeks, harness dealer, Thorold, Ont., has sold out to Wood Bros.

Arden Cameron, blacksmith, Waterdown, Ont., has quit business and left that place.

S. F. Pierce, general merchant, Cypress River, Man., has sold out to A. Sharp & Co.

McKeown & Co., dealers in stoves and housefurnishings, Hamilton, have been succeeded by Herbert Jones.

S. W. Moore, general merchant, Alberton, Ont., has sold out to Chas. Robertson, who will take possession on October 1.

FIRES.

J. Robson & Sons, tanners, Oshawa, Ont., have been burned out.

John Hillock & Co.'s planing mill, Toronto, has been damaged by fire.

Peter Weese, general merchant, Rossmore, Ont., has suffered slight loss by fire.

The warehouse of Body & Noakes, linseed oil manufacturers, Winnipeg, has been burned.

The C. Beck Manufacturing Co., of Penetanguishene, Ont., Limited, manufacturers of lumber, etc., have suffered loss by fire.

The Wm. Gray & Sons Co., Limited, manufacturers of carriages and wagons, Chatham, Ont., have suffered slight loss by fire.

IRON PRICES IN GERMANY.

Every week, remarks an English trade paper, brings news of a further advance in prices, sometimes for one class of article, sometimes for another ; now it is the hoop-iron makers' syndicate, which sends around circulars to announce an advance in price of 7.50 marks per ton for hoops after the rise in raw materials.

Though prices have not yet attained the level of 1879-80, they have made progress during the last few years. In the year 1888, mouldings, Luxembourg moulding, bars, boiler sheets, fine sheets, Spiegel and Thomas were respectively 58.33 fr., 38.22 fr., 125.87 fr., 167.50 fr., 152.40 fr., 50.46 fr., 55.83 fr., and in 1898, 67.25 fr., 49.60 fr., 128.57 fr., 186.25 fr., 127.10 fr., 58 fr., 66.67 fr., 60 fr.

NO EXHIBIT AT TORONTO FAIR.

The Sherwin-Williams Co. will have no exhibit at the Toronto Exposition this year. They will, however, be pleased to have any of their friends visit them at their Toronto warehouse, 86 York street, where they will receive a hearty welcome, not only from the salesmen of the different territories, but from Mr. C. C. Ballantyne, manager of the Canadian division of the company's business, who intends taking advantage of the Exposition time to have the pleasure of getting better acquainted with their many friends in that part of the country.

CATALOGUES, BOOKLETS, ETC.

CAREY'S ASBESTOS COVERINGS.

The Philip Carey Manufacturing Co., manufacturers of felt, asbestos and asbestos-magnesia coverings, Lockland, Ohio, U.S.A., have issued a post card circular giving illustrations and descriptions of many of the lines they manufacture. This card should be of use and value to all using or handling coverings for pipes, boilers, domes, heaters, tanks, etc. It is worth writing for.

BRASS GOODS AND SUPPLIES.

T. McAvity & Sons, manufacturers of and dealers in brass and iron goods for steam-fitters, plumbers and engineers, St. John, N.B., have just issued their 1899 catalogue. The 94 pages of this work are full from first to last with illustrated descriptions, with prices, of the thousand and one articles made by this firm. Many new lines which were not included in former catalogues are shown in this one, and all lists have been revised and corrected to date. As this firm have a high reputation as manufacturers of valves, cocks, gauges, whistles, oil cups, lubricators, pumps, fittings, etc., every hardware dealer or plumber who has not received a copy of their catalogue should write for one. Ask for catalogue No. 27.

HE KNEW HOW TO ADVERTISE.

An original form of advertisement comes from Russia, where a shopkeeper posted up the following announcement:

"The reason why I have hitherto been able to sell my goods so much cheaper than anybody else is that I am a bachelor, and do not need to make a profit for the maintenance of my wife and children. It is now my duty to inform the public that this advantage will shortly be withdrawn from them, as I am about to be married. They will, therefore, do well to make their purchases at once at the old rate."

The result was that there was such a run on the shop that in the course of a few days this shopkeeper had made enough money to pay the expenses of his wedding on a very lavish scale.—Sketch.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY. MONTREAL.

FOR SALE.

FOR SALE — BRANCH STORE — PLUMBING. Hardware, Stove, Furnace and Tinning Business, Established five years. Sales doubled in last year. Only store of its kind within ten miles. Reasons for selling—Have all the business proprietors care to see to at their main store. $3,500 stock and fixtures. Rare chance for business man. Address, H. L. WHEELOCK Rock Island, Quebec. (t.f.)

FOR SALE—TWO PIPE MACHINES, IN FIRST-class condition. Will be sold at a bargain. The Gurney Foundry Co., Limited, Toronto. (32)

HARDWARE BUSINESS FOR SALE.

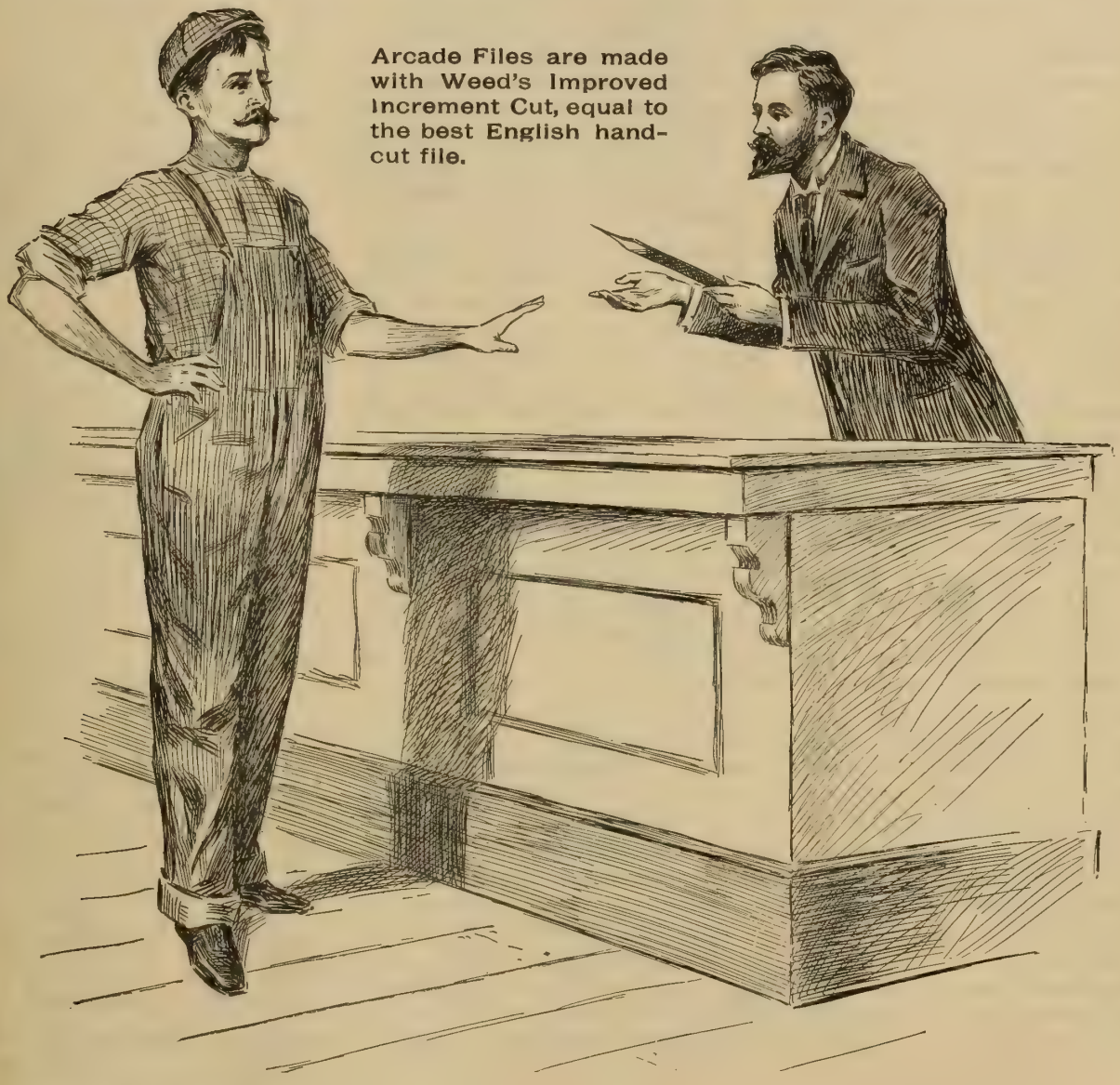
Established twenty years on Main St., Winnipeg, Mantoba. Satisfactory reasons for selling. First-class stand with all modern fittings — unexpired lease. Apply to CAMPBELL BROS.. Winnipeg, Manitoba. (tf)

The WORLD'S GREATEST FILE WORKS

ESTABLISHED 1842.

There is no other file "just as good."

THE ARCADE IS THE BEST



Arcade Files are made with Weed's Improved Increment Cut, equal to the best English hand-cut file.

"I want an ARCADE file."
"We are all out of ARCADE files. Try this; it is just as good."
"No, Sir. I want the ARCADE. It cuts faster and wears longer than any other file made."

THE ARCADE FILE WORKS

NEW YORK:
97 Chambers St.
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Works: ANDERSON, IND.
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CHICAGO:
118 Lake Street.
ALFRED WEED,
Vice-President and Gen'l Mgr.

HEATING AND PLUMBING

ACETYLENE.

FROM a recent issue of a contemporary, we subtract a few notes on "The Romantic History of the New Illuminant," meaning, of course, acetylene. "The Special Commissioner" of the paper in question, whose knowledge must by this time be as colossal as it is varied, is happy in his power to make interesting subjects which have hitherto been regarded by the general public as "dry," and the article in question is no exception. It is over 60 years since Edmund Davy showed the Dublin Royal Society of Chemists of his day that when a mixture of calcined tartar and charcoal was heated in an iron bottle there was often produced a black substance which, when dissolved in water, liberated the gas—then called bicarbonate of hydrogen, and now known as acetylene.

Its suitability as a brilliant illuminant was also pointed out, provided it could be produced cheaply. Matters, however, remained dormant for just 50 years, when Sir William Siemens introduced the furnace in which the electric arc was used to obtain intense heat; and amongst the uses to which this invention was turned was the production of aluminum, and in this process large quantities of carbide of calcium were made accidentally by the action of the great heat on the lime and carbon lining of the furnace. During the years 1886 and 1887, the lads employed at the works used to amuse themselves during their dinner hours by pouring water on the old crucible linings and lighting the gas which was thus liberated. No one, however, attached any commercial importance to the knowledge, and some years elapsed without any attempt to turn the gas to practical account. In 1892, an American, Mr. Willson, having failed in his experiments to make aluminum bronze, tried to reduce lime with carbon, and thereby obtained calcic carbide. The discovery got noised abroad, and those who should know agree that the honor of showing the road to the practical application of the wonderful gas belongs to Willson. In 1895 not 100 h.p. in all the world was being used in connection with the production of acetylene, whereas, in Europe alone, at the beginning of 1888, 35,000 h.p. was at work; and it is expected that very soon the resources will be such that the production of carbide will be at the rate of 20,000 tons per annum. The process, though highly technical, may be outlined simply enough. Lime and hard coke of the highest degree of purity, are employed—100 parts of lime to 68 parts of coke, and about ⅛ lb. of this mixture yields 1 lb. of carbide. It is curious that lime of sufficient purity for the purpose is difficult to obtain in large quantities, and is very costly. The lime and coke are put into a crucible, and, under the intense heat, the raw material is gradually transformed into an ingot of carbide. When the ingot is complete the crucible is withdrawn from the furnace and another substituted. Some part of the lime and carbon is incompletely reduced, and forms as a crust on the outside of the ingot; this is not so fertile in producing gas as the material within. By another process the lime and carbon are heated to liquefaction, and the crucible is tapped at short intervals. There is no unreduced material here, and the process is simpler and less costly; but, on the other hand, the output of carbide is less. From this carbide the acetylene gas is produced, and in the simplest way—by the application of water. Carbide can be kept quite safely so long as it is in a perfectly dry state, but the presence of moisture leads to the evolution of the gas. There is something almost uncanny in the production of the gas by the application of a jet of water; but science performs many miracles, and this is one. On the present scale, acetylene will not rival gas or electricity for general purposes; but it can be used wherever ordinary gas installations are not available, or can only be laid down at a cost for plant and working expenses out of proportion to the possible return. For lighting churches, factories, stations, country houses and other buildings, as well as villages and small communities where coal gas is not available or profitable, it is both handy, simple and effective; it can be used in floating buoys, bicycle and carriage lamps, table lamps, magic lanterns, photography, and in carriages on the Prussian railways it has been used successfully to enrich oil gas for lighting. In tram cars and 'busses, what would we, who know the wretched oil lamp, give for the acetylene substitute? The brilliancy and purity of its light forbid the assumption that it can be allowed to go unused, and those associated with its production confidently believe that it must have a future as brilliant as the flame itself.

J. H. Gardner & Bros., plumbers and hardware dealers, Montreal, have sold out their hardware business to May Bros., of that city.

PLUMBING AND HEATING NOTES.

A meeting of the creditors of F. Duclos, plumber, Montreal, has been held.

The stock of D. Dugas, plumber, Montreal, has been sold at 55c. on the dollar.

Tenders are asked by Robert Clohecy for a new Roman Catholic church in Brantford.

Two brick business blocks, one to cost $10,000, and the other $12,000, are to be erected in Nelson, B.C.

All plumbers should get a copy of T. McAvity & Son's August, 1899, catalogue, mentioned in another column.

J. A. Goth, Carleton Place, is inviting tenders for heating and ventilating in the new high school, Carleton Place.

N. S. Hoffar, architect, Vancouver, is asking for tenders for building a large brick block in that city for Thos. Dunn.

The Massey-Harris Co., Limited, Toronto, are having prepared plans for a clubhouse for their employes. It will be fitted with library, baths, lecture-rooms, etc., and will cost about $50,000.

TORONTO BUILDING PERMITS.

Permits have been issued in Toronto to Mrs. Jane Hine, for a two-storey brick dwelling on Broadview avenue, near Queen street east, to cost $1,300; to Mrs. F. M. Patreardon, for a two-storey and basement brick residence on the corner of King and Dowling avenue, to cost $3,500; to M. Langmuir Manufacturing Co., trunk manufacturers, for a two-storey solid brick factory near King street, on Niagara street, to cost $3,000; to Hugh Glenn, for the erection of a pair of semi-detached dwelling houses at 646 and 648 Gerard street east, to cost $1,700; to Seaman, Kent & Co., blind manufacturers, for the erection of a factory at the corner of King street and Atlantic avenue, to cost $5,000, and to L. P. Steward, for a two-storey and attic dwelling at 84 Delaware avenue, to cost $2,000.

COLORING SOLDER FOR COPPER.

When it is desired to solder copper and to have the solder the same color as the copper surface, it may be done, says an English exchange, in the following manner: Moisten the solder with a saturated solution of vitriol of copper, and then, touching the solder with the iron or steel wire, a thin skin of copper is precipitated which can be thickened by repeating the process several times.

PLUMBING AND HEATING CONTRACTS.

R. Paulin, Ottawa, has secured the contract for plumbing and heating the St. Jean Baptiste school in that city. The price is $732.

SEND for specimen copy of Phillips' Monthly Machinery Register, containing over 5,000 entries of new and second-hand machinery of every description. The oldest established and most successful medium in the world. Established 25 years for the purpose of introducing those who have machinery for sale, to those who wish to buy, has a circulation of about 50,000 copies per annum, all over the world, and is used for continual reference by a large number of firms. It is consequently a most valuable advertising medium for all engineers and manufacturers. Subscription. 6s. per annum, price per copy, 6d. Sole Proprietor, CHAS. D. PHILLIPS, M.I M.E., Newport, Mon, England. Telegraphic address: "Machinery, Newport, Mon."

The Syracuse Smelting Works

ARE MANUFACTURERS OF

Plumbers' and Tinsmiths' Solder

of highest quality. Highest market prices paid for old Brass and Copper.

SYRACUSE SMELTING WORKS

MONTREAL.

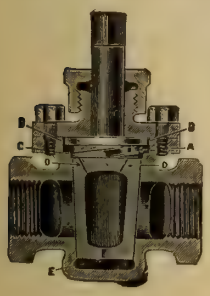


Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon



A perfect

Blow-off Cock

is found in the

Homestead Patent

Has Balanced Plug.
Always Works Easy.
Does Not Leak.

THE James Morrison Brass Mfg Co. LIMITED TORONTO.



THE

Copp Heater

PATENTED

This heater has been an extraordinary success. In Winnipeg we know of an instance where it heated a store containing 21,168 cubic feet, and was the only stove used.

This year we have added several impovements, also **a smaller size,** burning 27-inch wood.

Every dealer ought to keep the Copp Heater before his customers. There's fame and money in it for you.

Made only by

THE COPP BROTHERS CO., Limited

HAMILTON.

HARRINGTON & RICHARDSON ARMS CO.

WORCESTER, MASS., U. S. A.



Makers of

High Grade REVOLVERS

SEND FOR COMPLETE CATALOGUE.

For sale by Sporting Goods and Hardware Stores almost everywhere.

Toronto Foundry Co.

Manufacturers of SOIL PIPE, FITTINGS, SINKS, BOILER STANDS.

Nos. 146-148-150 Niagara Street, TORONTO

The only Exclusive Manufacturers of Soil Pipe and Soil Pipe Fittings in Canada. . . . . .

All goods stamped T. F. Co. are warranted.

Ride Good Tires



Samson
New York
C. R. Co.
} Tires are Good Tires.

Write for Catalogue and Prices.

NEW YORK TIRE CO. - - Toronto, Ont.

NEVER NAG CUSTOMERS.

It is often remarked that, in small stores, the merchant and clerks are so anxious to make sales that they frequently overdo the thing, and in being overly attentive and effusive to customers, they harass and annoy them instead of pleasing them. Nobody, says a writer in Stoves and Hardware Reporter, likes to be hounded into buying, any more than he likes to be absolutely neglected and ignored when he does want to buy. Sales which are made under partial compulsion are never very satisfactory to anyone engaged in the transaction. The customer who buys something with which he is not wholly pleased when he first buys it, will not be any more so after he has taken it home, nor does his opinion of the clerk who persuaded him into buying it rise very high. On the contrary, the chances are that he feels he has been bulldozed more or less and that he has been to some extent the victim of an imposition. It has been maintained that one of the reasons the large stores are so extensively patronized is because their sales force allow perfect liberty of ingress and egress. Visitors and patrons are allowed to go about freely looking for what they want and inspecting goods without being hounded every step of the way by insistent and persistent clerks urging them to buy. There is in this an independence which is most pleasing to people, and which is an evidence of tact on the part of the store management. Care must be exercised not to go to an extreme in this particular and fail to give patrons attention when they want it.

SHEFFIELD CUTLERY IN CANADA.

A pleasant feature of Sheffield business during the last three or four weeks has been an improvement, both in the Canadian and in the Indian markets. Under the new arrangement which the Laurier Cabinet brought about, English goods are admitted at a tariff 25 per cent. below that on German wares. That is one factor which makes for success in British business with our oldest colony. But that is not the only one. The representatives of Sheffield cutlery houses who have returned from Canada state that they were exceedingly pleased to find that everywhere they found a preference to purchase English goods instead of German, American or French. Of all the three rivals, the Germans have been most energetic and successful in their efforts to obtain a firm footing in Canada, but the preferential tariff, combined with the loyal feeling of the people, has practically baffled their efforts, with the result that our leading manufacturers now are convinced that, so long as they send out reliable goods at as narrow a profit as they can afford, the Canadian trade will get increasingly important. —British Trade Journal.

We Want Your Axe Order

FOR FALL SHIPMENT.

Kindly hold it till our representatives call on you.

James Warnock & Co., - Galt, Ont.

COW TIES

Greening's Patent

We make the following :

Open Ring, six sizes.
Small Closed Ring, six sizes.
Large Closed Ring, six sizes.
Three Chain, six sizes.
Greening's Special Tie with Stall Fixtures, five sizes.

Our ties have stood the test for years and are undoubtedly the best in the market. Send for new price list. For sale by all jobbers.

The B. GREENING WIRE CO., Limited

HAMILTON and MONTREAL.



Geo. D. Wood & Co.

WINNIPEG, MAN.

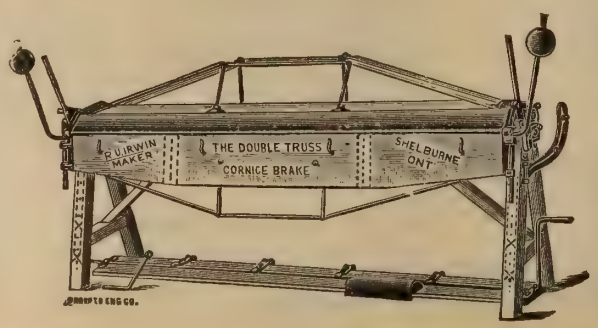
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SHELF AND HEAVY

HARDWARE, PAINTS, OIL, GLASS, PUMPS, ETC.

Stock now **complete** in seasonable lines. **Prompt** shipment.

Letter orders receive **special** attention.



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

Price, $50

Very handy beader attachment, $10 extra, if required.

Send for circulars and testimonials to

The Double Truss Cornice Brake Co. SHELBURNE, ONT.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, **Montreal.**

Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates Galvanized Sheets, Imitation Russia Sheets Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.



VanTuyl & Fairbank

Petrolia, Ont.

Headquarters for . .

Oil and Artesian Well Pumps, Casing, Tubing Fittings, Drilling Tools, Tables, etc.

R. C. LeVESCONTE

Barrister, Solicitor, Notary, Etc.

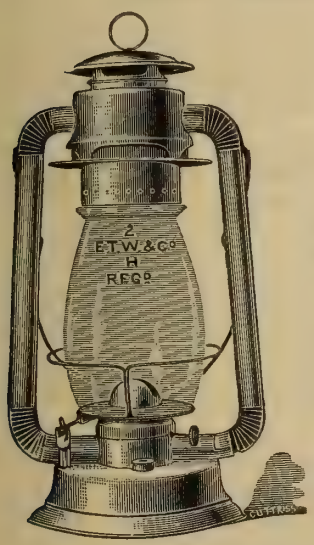
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Cor. Jordan and Melinda Streets

. . . TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.

E. T. WRIGHT & CO.

Hamilton, Canada.



"Get the Best."

Mfrs. of

Cages, Tinware, Lanterns, Traps, Stovepipe and Elbows.

Send for new Catalogue.

TRADE MARK
J
REGISTERED.

"JARDINE" TIRE UPSETTERS WILL UPSET TIRES

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.
HESPELER, ONT.

Not in the Combination

Write for prices on

MRS. POTTS SAD IRON HANDLES.

M. SCHRAYER'S SONS & CO.,
49 Blue Island Ave., Chicago, Ills.

Represented by Alex. Gibb, 22 St. John Street, Montreal.

ARE YOU A BUYER of

Hardware, Metals, Paints, Oils, etc.?

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The MacLEAN PUBLISHING CO., Limited

Board of Trade, MONTREAL.
26 Front St. West, TORONTO.
109 Fleet St., E.C., LONDON, ENG.

BUSINESS NEWS

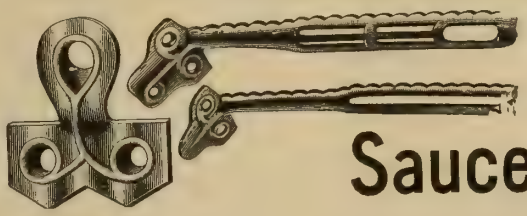
of any kind that is of value to business men supplied by our Bureau. We can give you market quotations from any town in Canada, reports from the city markets, stock quotations, etc. You can get commercial news from any Canadian paper through us.

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Pail Ears AND Saucepan Handles.

Neatest designs, greatest strength and finest finish of any made. Large stock of all sizes constantly on hand and all orders filled promptly. By the gross, package or in bulk, as desired. SEND FOR CATALOGUE.

BERGER BROS. CO., Philadelphia, U.S.A.



Gunn's Patent "Brassic" Goods

Made by an entirely new process.
Cheaper and better than old style.
Your stock not complete without them.

THE GUNN CASTOR CO., Limited
KNOX HENRY,
Canadian Agent, 220½ Board of Trade, MONTREAL.

EVERY ORIGINAL TIN HAS THIS IMPRESSION ON A WHITE CAPSULE
NOBLES & HOARE LONDON ENGLAND

Nobles & Hoare.

CORNWALL ROAD STAMFORD STREET.

LONDON, ENG.

Manufacturers of

HIGH-CLASS VARNISHES ONLY

Which can be obtained direct from the works or from the principal Color Dealers in Canada.

HUTCHISON, SHURLY & DERRETT

DOVERCOURT TWINE MILLS.

1078 BLOOR STREET WEST, TORONTO.

Having equipped our Factory with entirely new machinery, we are prepared to furnish the best made goods in the market at closest prices and make prompt shipments.

Hand Laid Cotton Rope and Clothes Lines,
Cotton and Russian Hemp Plough Lines, plain and colored.
Cotton and Linen Fish Lines, laid and braided.
Netted Hammocks, white and colored, Tennis and Fly Nets.
Skipping Ropes, Jute, Hemp and Flax Twines.

THOS. GOLDSWORTHY & SONS

MANCHESTER, ENGLAND.

EMERY { Cloth / Corn / Flour

We carry all numbers of Corn and Flour Emery in 10-pound packages, from 8 to 140, in stock. Emery Cloth, Nos. OO., O., F., FF., 1 to 3.

JAMES HUTTON & CO., Wholesale Agents for Canada, **Montreal.**

CURRENT MARKET QUOTATIONS.

August 18, 1899.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—	
56 and 28 lb. ingots, per lb.	0 37
Straits	0 37

Tinplates.

Charcoal Plates—Bright.

	Per box
M.L.S., equal to Bradley.	
I.C., usual sizes	$6 50
I.X., "	7 75
I.X.X., "	9 00
R. & Co.—	
I.C	
I.X	
I.X.X	
Famous—	
I.C.	6 25
I.X.	7 50
I.X.X	8 75
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	5 75
I.X.X. "	6 50
I.XXX., "	7 25
D.C., 12½x17	4 50
D.X	5 25
D.X.X	7 25

Coke Plates—Bright.

Bessemer Steel—	
I.C., usual sizes	4 35
I.C., special sizes, base	4 50
20x28	8 75

Charcoal Plates—Terne.

Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 00
I.X., Terne Tin	9 25

Charcoal Tin Boiler Plates.

	Per lb.
Cookley Grade—	
X X., 14x56, 50 sheet bxs	0 07
" 14x60 "	
" 14x65, "	0 07½

Tinned Sheets.

72x30 up to 24 gauge	0 07
" 26 "	0 07½
" 28 "	0 08
	0 08½

Iron and Steel.

	Base	Price
Common Bar, per 100 lbs		2 00
Refined "		2 30
Horse Shoe	2 15	2 25
Hoop steel, 1½ to 3 in. base, extras for smaller sizes		2 75
Swedish "	4 00	4 25
Sleigh Shoe Steel " base		2 60
Tire Steel		2 50
Machinery		2 65
Cast Steel, per lb	0 10	0 14
Toe Calk Steel		2 95
Toe Weight Steel		6 10
Thos. Firth & Sons' Cast Steel	0 12	0 14
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker.	2 00	2 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½-inch	0 11
2 "	0 12
2½ "	0 14
"	

Steel Boiler Plate.

¼ inch	3 25
3-16 inch	3 40
⅝ inch and thicker	3 25

Black Sheets.

18 gauge	2 75
20 "	2 75
22 to 24 "	2 90
26 "	3 00
28 "	3 25

Canada Plates.

All dull, 52 sheets	2 75
Half polished	2 85
All bright	3 20

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ⅜ inch, $3 35 ; ½ inch, $3.40 ; ¾ inch, $4.00; 1 inch, $5.50; 1¼ inch, $7.35 ; 1½ inch, $9.25; 2 inch, $12.50. 2½ to 6 inch, discount 45 p.c.

Galvanized, ⅜ inch, $6.00: ½ inch, $6.30 ; ¾ inch, $8.00 1 inch, $11.00 ; 1¼ inch, $15.25 ; 1½ inch, $19.00 ; 2 inch, $27.00.

Galvanized Iron.

	G C. Comet.	Amer.	Queen's Head
16 gauge			4 25
18 to 24 gauge	4 50		4 50
26 "	4 75		4 75
28 "	5 00		5 00

Less than case lots, 25c. per 100 lb. additional.

Chain.

Proof Coil, 3-16 in., per 100 lbs	
" ¼ " "	6 75
" 5-16 " "	4 75
" ⅜ " "	4 30
" 7-16 " "	4 15
" ½ " "	3 05
" ⅝ " "	3 85
" ¾ " "	3 75
Trace, per doz. pairs	3 60 5 90
Jack chain, iron, single, per doz. yards	0 13 0 50
Jack chain, double, per doz. yards	0 15
Jack chain, brass, single, per doz. yards	20 10

Copper.

Ingot.

English B. S., ton lots	0 20 0 21
Lake Superior	

Bolt or Bar.

Cut lengths, round, ½ to ⅞ in.	0 23½ 0 25
" round and square 1 to 2 inches	0 23½ 0 25

Sheet.

Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 23 0 23½
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 23 0 23½

NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.

Tinned copper sheets	0 26
Planished	0 32

Braziers. (In sheets.)

4x6 ft. 25 to 30 lbs. ea., per lb.	0 25½
" 35 to 45 " "	0 24½
" 50-lb. and above, "	0 23½

Boiler and T. K. Pitts.

Plain Tinned, per lb	0 28
Spun, per lb	0 32

Brass.

Roll and Sheet, 14 to 30 gauge, 5 per cent.

Sheets, hard-rolled, 2x4	0 24 0 25
Tubing, base, per lb	0 24 0 25

Zinc Spelter

Foreign, per lb	0 07½ 0 07¾
Domestic "	

Zinc Sheet.

5 cwt. casks	0 08¼
Part casks	0 08½

Lead.

Imported Pig, per lb	0 04½ 0 04¾
Domestic, per lb	
Bar, 1 lb	05¼
Sheets, 2½ lbs. sq. ft., by roll.	0 05 05¼
Sheets. 3 to 6 lbs., per sq. ft., by roll	0 04¾ 0 05

NOTE.—Cut sheets ½ cent per lb. extra

Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 20 per cent. discount

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths, lists at 7½ cents.

Shot.

Ordinary, drop, $4.75 per 100 lb. ; chilled, $5.15 per 100 lb. F.O B. Toronto : terms 3 per cent. cash, freights equalized on Montreal.

Soil Pipe.

Discount, 50 and 10 per cent.

Solder.

	Per lb.	Per lb.
Bar half-and-half	0 22	0 23
Refined	0 21	0 22
Wiping	0 18	0 19

NOTE.—Prices of this graded according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 11 0 11½

White Lead.

	Per cwt.
Pure, Assoc. guarantee, ground in oil, 25 lb. irons	6 12½
No. 1 do	5 74½
No. 2 do	5 37½
No. 3 do	5 00
No. 4 do	4 62½
Robertson's Chemically Pure	6 12½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B. B. Genuine	8 12½
" " No. 1	7 25
James' genuine	7 20
" " No. 1	6 75

White Zinc Paint.

Elephant Snow White	0 08
Pure White Zinc	0 08
No. 1	0 06
No. 2	0 05

Dry White Lead.

Pure, casks	0 05⅛
Pure, kegs	0 05⅝
No. 1, casks	0 04⅞
No. 1, kegs	0 05⅛

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)

Pure, per gallon	1 00
Second qualities, per gallon	0 90
Barn (in bbls.)	0 70 0 90
The Sherwin-Williams Paints	1 20
Canada Paint Co's Pure	1 10 1 20
Robertson's Pure	1 00 1 10
Sanderson Pearcy's Pure	1 00 1 10

Colors in Oil.

(25 lb. tins, Standard Quality.)

Venetian Red, per lb	0 05
Chrome Yellow	0 11
Golden Ochre	0 06
French "	0 05
Marine Black	0 09
" Green	0 09
Chrome "	0 08
French Imperial Green	0 19

Colors, Dry.

Yellow Ochre (J. C.) bbls. per cwt	1 35 1 40
Yellow Ochre (J.F.L.S.), bbls. per cwt	2 75
Yellow Ochre (Royal), per cwt	1 10 1 15
Brussels Ochre	2 00
Venetian Red (best). per cwt.	1 80 1 90
English Oxides, per cwt.	3 00 3 25
American Oxides, per cwt	1 75 1 90
Canadian Oxides, per cwt	1 75 1 90
Burnt Sienna, pure, per lb.	0 10
" Umber, " "	0 10
do raw	0 09
Drop Black, pure	0 09
Chrome Yellows, pure	0 18
Chrome Greens, pure. per lb.	0 12
Golden Ochre	0 03¾
Ultra marine Blue in 28-lb boxes, per lb	0 08 0 24
Fire Proof Mineral, per 100 lb.	1 00
Genuine Eng. Litharge, per lb	0 07
Mortar Color, per 100 lb.	1 25
James' Gen. Red Lead, 100 lb	0 04⅞
Pure Indian Red, No. 45, lb.	0 08
Whiting, per 100 lb.	0 55

Paris Green.

250 lb. casks	0 13½
50 lb. drums	0 14
1 lb. packages	0 15
½ lb. "	0 16½
1-lb. tins	0 15½

Sulphate of Copper.

Casks, for spraying, per lb.	0 07
100-lb. lots, do. per lb.	0 08

Putty.

Bladders in bbls.	1 80
Bladders in 100 or 200 lb. kegs or bxs	1 95
Bulk in bbls., per 100	1 65
Bulk in less quantities	1 80
25-lb. tins, 4 in case	2 05
12½-lb. tins, 8 in case	2 30

Quotations f.o.b. Toronto—10c. per 100 lbs. extra Hamilton, London, Guelph. For quantities less than 100-lbs., 2½c. per lb.

Varnishes.

(In 5-gal. lots.)		Per gal.
Carriage, No. 1	1 30	1 40
Extra do.	1 50	1 60
Body Varnish	3 40	3 50
Furniture Varnish	0 50	0 60
Extra do.	1 00	1 10
Demar Varnish		1 50
Hard Oil Finish	1 30	1 35
Orange Shellac Varnish	2 00	2 10
White Shellac	2 20	2 25
Rubbing Varnish		2 00
Brown Japan		0 75
Elastic Oak	1 20	1 30

Linseed Oil.

Raw, per gal. net	0 57
Boiled, per gal. net	0 60

Outside points 1c. more than above figures

Turpentine.

1 to 4 barrels, net	0 72

Outside points 1c. more

Castor Oil.

In cases, per lb	0 09
Small lots	0 10

Cod Oil, Etc.

Cod Oil, per gal.	0 50 0 55
Pure Olive	1 20
" Neatsfoot	90

Glue.

(In bbls.)

Common	0 08½ 0 09
French Medal	0 12 0 12½
Cabinet, sheet	0 11 0 12
White, extra	0 16 0 18
Gelatine	0 22 0 30
Strip	0 16 0 18
Coopers	0 19 0 20
Al clear	0 09

HARDWARE.

Ammunition.

Cartridges.

B. B. Caps. Dom., 50 and 5 per cent.
Rim Fire Pistol, dis. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18 p.c. Amer.



Dodge

Standard Wood Split Pulleys

ARE USED BY EVERY MILL AND FACTORY IN CANADA.

Live hardware houses keep our catalogue and discount sheet at hand, and display our handsome hanger.

Ours is the largest and most complete Pulley Works in the Dominion.

DODGE MANUFACTURING CO.

of Toronto, Limited **TORONTO, ONT.**

WORKS : Toronto Junction. CITY OFFICES : 74 York St.

Central Fire Cartridges, pistol sizes, Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.
Brass shot Shells, 55 and 10 per cent.
Primers, Dom., 80 per cent.

Wads.

	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 50 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 33⅓ per cent.

Anvils.

Per lb	0 10	0 12½
Anvil and Vice combined each	....	4 50
Wilkinson & Co.'s Anvils..lb.	0 09	0 09¾
Wilkinson & Co.'s Vices..lb.	0 09¾	0 10

Augers.

Gilmour's, discount 50 and 10 p.c. off revised list.

Hollow, Stearn's, per dozen..	13 00	20 00
Adjustable, Stearn's, each..	4 50	6 50
Post-hole, Vaughan's, each..	60	90

AXES.

Splitting Axes	5 25	5 50
Chopping Axes—		
Single List, per doz	8 00	12 00
Double List, "	11 00	18 00

Bench Axes, 40 and 15 p.c.
Broad Axes, 35⅓ per cent.

Hunters' Axes	5 25	5 50
Boy's Axes	5 75	6 75

Bath Tubs.

Zinc	3 90	4 00

Copper, discount 40 and 10 p.c. off revised list
Steel clad, 20 per cent. discount off revised list. Boxing extra.

Anti-Friction Metal.

"Tandem" A	per lb.	0 23
" B	"	0 19
" C	"	0 11½

Magnolia Anti-Friction Metal, per lb. 0 25
F. O. B. New York or Chicago.

Bells.

Hand.
Brass, 60 per cent.
Nickel, 55 per cent.
Door.

Gongs, Sargant's	5 50	8 00
" Peterboro', discount 50 per cent.		

Cow.
American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.
Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00

Blacksmiths', discount 60 per cent.

Belting.

Extra, 50 per cent.
Standard, 50 and 10 to 50, 10 and 5 per cent.
Agricultural, 60 and 10 p.c.

Bits.

Auger.
Gilmour's, discount 50 and 10 per cent.
Rockford, Common, 70 to 70 and 10 per cent.
" Perfection, 50 and 10 per cent.
Jennings' Gen., net list.
Car.
Gilmour's, 47½ to 50 per cent.
Expansive.
Clark's, 40 per cent.
Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind Rollers.

Annex, per doz	1 25	1 75
Mascott, "	1 35	1 85
Erminie, "	1 00	0 00

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Norway Bolts, full square	65
Common Carriage Bolts, 5-16 & under	55
" " " ⅜ and larger.	50
" " " full square	65
Machine Bolts, all sizes	55
Coach Screws	67½
Sleigh Shoe Bolts	72½
Blank Bolts	55
Bolt Ends	62½
Nuts, square	3¾c.
Nuts, hexagon	4¼c.
Tapping Nuts	60
Tire Bolts	60 and 10
Stove Bolts	60 and 10

Boot Calks.

Small and medium, per M	4 50	
Small heel, per M	4 25	

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent.

Henis, No. 8, "	....	6 00
Henis, No. 9, "	....	7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Plain building, per roll		0 28
Tarred lining, per roll		0 35
Tarred roofing, per 100 lb		1 40
Coal Tar, per barrel		3 75
Pitch, per 100-lb		0 60
Carpet felt, per 100 lb		2 25

Bull Rings.

Copper, $2.50 for 2½ in. and $2 for 2 in.

Butts.

Brass.
Wrought Brass, net revised list.
Cast Iron.
Loose Pin, dis., 60 per cent.
Wrought Steel.
Fast Joint, dis. 60 and 10 per cent.
Loose Pin, dis. 60 and 10 per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.
Gen. Bronzed, per pair | 0 40 | 0 65

Cards.

Horse, per doz	0 60	1 00

Carpet Sweepers.

Bissell, per doz	....	22 50
World, "	....	21 75
Daisy, "	....	24 00
Star, "	....	18 00
Crown Jewel, per doz	....	29 00
Grand Rapids, "	24 00	33 00

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	2 65	2 90
English "	....	3 00
Belgian "	....	2 70
Canadian hydraulic	1 00	1 10

Figures are for barrel lots.

Chalk.

Carpenters, Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.
Broad's, dis. 60 and 5 per cent.
Warnock's, dis. 60 per cent.

Churns.

Revolving Churns, metal frames—No. 0, $3—No. 1, $3.20—No. 2, $3.40—No. 3, $3.75—No. 4, $4.50—No. 5, $5.90 each. Ditto, wood frames—15c. each less than above.
Terms 4 months or 3 p.c. off 30 days, f.o.b.

Clips.

Axle dis. 65 per cent.

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 20 per cent. from factory.

Dies.

Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. per cent.

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Broad's, dis 75 per cent.
Warnock's, dis. 50 and 10 per cent.

Drills.

Hand and Breast.
Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.

EARTHENWARE.

Closets, washout, plain	4 50	
" " embossed	4 75	
Closet connection	1 25	
Basins, round, 14 in	0 65	
" oval, 17 x 14 in	1 55	
" " 19 x 15 in	2 30	

ELBOWS.

Stovepipe.

Per doz	0 85	1 70

FACTORY MILK CANS.

Discount off revised list, 45 per cent.

FILES.

Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Jowitt's, English list, 25 to 27½ per cent.
Mechanics' Star & File Mfg. Co. Discount 60 and 10 to 70 per cent.

FORKS.

Hay, manure, etc., dis., 60 and 10 to 60 and 5 p. c. revised list.

FREEZERS

Ice Cream.

White Mountain, 1 to 25 qt	1 35	13 50

Arctic, dis. 50 p.c.

FRY PANS.

Acme, dis. 65 to 67½ per cent.

FRUIT PRESSES.

Henis', per doz	3 25	3 50

Shepard's Queen City, dis. 15 per cent.

GAUGES.

Marking, Mortise, Etc.
Stanley's dis. 50 to 55 per cent.
Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

GLASS.

Window.
Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	Double Diamond Per 50 ft.	Double Diamond Per 100 ft
Under 26	2 10	4 00	3 50	6 00
26 to 40	2 30	4 35	3 75	6 65
41 to 50	....	4 75	....	7 25
51 to 60	....	5 00	....	8 50
61 to 70	....	5 35	....	9 25
71 to 80	....	5 75	....	10 50
81 to 85	....	6 50	....	11 75
86 to 90	....	7 25	....	14 00
91 to 95	....	....	....	15 50
96 to 100	....	....	....	18 00
101 to 105	....	....	....	21 00
106 to 110	....	....	....	24 00
111 to 115	....	....	....	28 00

16 x 16 10 per cent. off.

HALTERS.

Rope, ⅜ per gross	8 25	8 55
" ½ "	9 25	6 50
" ⅝ "	11 00	11 20
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

	Can.	dis.
Maydole's, dis 5 to 10 per cent. 25 to 27½ per cent.		

Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz., net	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pair	0 40	2 50

Fork.
C. & B., dis. 45 per cent. rev. list.
Hoe.
C. & B., dis. 45 per cent. rev. list.
Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.
Canadian, 45 per cent.
Cross-Cut Saws.

Canadian, per pair	0 13¾	0 20

HANGERS.

Door, 4 and 5 inch, per pair	0 40	0 50

Lane's, 62½ per cent.

HARVEST TOOLS.

Discount, 60, 10, and 5 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent.

HINGES.

Blind, Parker's, dis. 60 and 10 to 65 per cent.
" Shepard's Noiseless, dis. 60 per cent.
" " Buffalo, dis. 60 to 70 p. c.

Heavy T and strap, 4-in., per lb		0 06
" " 5-in., "		0 05¾
" " 6-in., "		0 05½
" " 8-in., "		0 05¼
" " 10-in., "		0 05
Screw hook and hinge—		
3 to 12 in., per 100 lbs		3 75
14 in. up, per 100 lbs		3 00

	Per gro. pair
Spring	8 50

HOES.

Garden, Mortar, etc., dis 60, 10 and 5 p c.

Planter, per doz	4 00	4 50

HOOKS.

Cast Iron.

Bird Cage, per doz	0 50	1 10
Clothes Line, per doz	0 27	0 63
Harness, per doz	0 72	0 88
Hat and Coat, per gross	1 00	3 00
Chandelier, per doz	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.

Hat and Coat, discount 60 per cent.
Belt, per 1,000 ... 0 60 0 70
Screw, bright, dis. 65 and 10 per cent.

HORSE NAILS.

"C" brand 50 p.c. dis. } Oval head.
"M" brand 50 p.c. }

Acadian, 50 and 20 p.c., countersunk head.

HORSESHOES.

Iron Shoes.	F.O.B. Toronto. No. 2 and larger.	No. 1. and smaller.
Light, medium, and heavy	3 60	3 85
Snow shoes	3 85	4 10
Steel Shoes.		
Light	4 00	4 25
Featherweight (all sizes)	5 25	5 25

JAPANNED WARE.

Discount, 50 per cent. off list, June, 1899.

ICE PICKS.

Star, per doz ... 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb ... 0 30 0 35
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 50 p.c.
Cabinet, trunk, and padlock, Am. per gross ... 60

KNOBS.

Door, japanned and N.P., per doz ... 1 00
Bronze, Berlin, per doz ... 2 75 3 25
Bronze Genuine, per doz ... 6 00 9 00
Shutter, porcelain, F. & L. screw, per gross ... 1 30 4 00

KNIVES.

Clauss, bread, cake, and paring knives, $7 00 doz. sets net. to 10 per cent.
Christie, bread, cake, and paring knives, $7 00 doz. sets, with 10 p.c. off.
Hay knives, spear point, L. or T handle, 60 10 and 5 per cent.
Lightning, per doz ... 6 50 8 40
Health's, $7.75 net.

LANTERNS.

Cold Blast, per doz ... 7 50
No. 5 " Wright's" ... 8 50

LEMON SQUEEZERS.

	per doz.	
Porcelain lined	2 20	5 60
Galvanized	1 87	3 85
King, wood	2 75	2 90
King, glass	4 00	4 50
All glass	1 20	1 30

LINES.

Fish, per gross	1 05	2 50
Chalk "	1 90	7 40

LOCKS

Canadian, dis. 45 p.c.
Russell & Erwin, per doz ... 2 00 2 20

Cabinet.

Eagle, dis. 30 p.c.

Padlock.

English and Am., per doz	50	6 00
Scandinavian "	1 00	2 40

Eagle, dis. 15 to 17½ p.c.

MACHINE SCREWS.

Iron and Brass.

Flat head, discount 25 p.c.
Round Head, discount 20 p.c.

MALLETS.

Tinsmiths', per doz	1 25	1 50
Carpenters', hickory, per doz	1 25	3 75
Lignum Vitae, per doz	3 85	5 00
Caulking, each	60	2 00

MATTOCKS.

Canadian, per doz ... 8 50 10 00
American, 60 and 10 p.c. off list.

MEAT CUTTERS.

American, dis. 30 to 32½ p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2d. and 3d	$3 25	$3 75
3d	2 90	3 40
4 and 5d	2 85	3 15
6 and 7d	2 65	3 05
8 and 9d	2 40	2 90
10 and 12d	2 35	2 85
16 and 20d	2 30	2 80
30, 40, 50 and 60d. (base)	2 25	2 75

Steel Cut Nails 10c. extra.

NAIL PULLERS.

German and American ... 1 85 3 50

NAIL SETS.

Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.

Poultry, 40 per cent. for McMullen's.

OIL.

Canada refined (Toronto)		0 13½
Sarnia Water White		0 15
" Prime White		0 14
American w. w.		0 16½
Pratt's Astral		0 18

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz	0 00	11 00
Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz	1 25	3 50
Brass, "	1 50	3 50

Malleable, dis. 25 per cent.

PAILS.

	per doz.
Galvanized, straight pattern No. 12	2 00
Galvanized, straight pattern No. 14	2 25
Galvanized, straight pattern No. 16	2 55
Flaring pattern, No. 11	2 25
" " No. 12	2 50
" " No. 13	2 85
" " No. 14	3 30

PIECED WARE.

Discount, 45 per cent off list, June, 1899.

PICKS.

Per doz ... 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross	1 40	3 00
Brass head, "	0 40	1 00

PLANES.

Wood, bench, Canadian dis. 55 per cent. American dis. 55.
Wood, fancy Canadian or American, 37½ to 40 per cent.
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.
Miscellaneous, dis. 25 to 27½ per cent.
Bailey's Victor, 25 per cent.

PLANE IRONS.

English, per doz ... 2 00 5 00

PLIERS AND NIPPERS.

Button's Genuine, per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz ... 5 00 9 00
German, per doz ... 0 60 2 60

PULLEYS.

Hothouse, per doz	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS

Canadian cistern	1 40	2 25
Canadian pitcher spout	1 15	2 00

PUNCHES.

Saddlers', per doz	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set	0 00	0 72
" hollow, per inch	0 00	1 00

RAKES.

Cast steel and malleable Canadian, list dis. 50 and 10 p.c revised list.
Wood, 25 per cent.

RASPS AND HORSE RASPS.

New Nicholson horse rasp, discount 60 p.c.
Globe File Co.'s rasps, 60 and 10 to 70 p.c.
Heller's Horse rasps, 50 to 50 and 5 p.c.

RAZORS.

	per doz.	
Geo. Butler & Co.'s	8 00	18 00
Boker's	7 50	11 00
Wade & Butcher's	3 60	10 00
Theile & Quack's	7 00	12 00

REAPING HOOKS.

No. 2		$2 00
No. 3		2 05
No. 4		2 15
No. 5		20

RIVETS AND BURRS.

Carriage, Section, Wagon Box Rivets, etc. (Steel), 55 p.c.
Carriage, Section, Wagon Box Rivets, et (Norway Iron), 55 p.c.
Black M Rivets (Steel), 45 p.c.
Black and Tinned Rivets, 55 p.c.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets & Burrs, 35 p.c. dis., and cartons, 1c. per lb. extra, net.
Extras on Tinned or Coppered Rivets in ½-lb. cartons, 1c. per lb.
Burrs, iron or steel, 40 per cent.
Terms, 4 mos. or 3 per cent. cash 30 days.

RIVET SETS.

Canadian, dis. 35 37½ per cent.

ROPE, ETC.

	Sisal.	Manila.
7-16 in. and larger, per lb.	11½	13
⅜ in	12	13½
¼ and 5-16 in.	12½	14
Cotton		14
Russia Deep Sea		15½
Jute		8
Lath Yarn		9¾
New Zealand Rope		10½

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

Mrs. Potts, per set	0 70
" N. P., per set	0 85

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 2½ per cent.
Emery, 40 per cent.

SASH CORD.

Per lb ... 0 20 0 50

SASH WEIGHTS.

Sectional, per 100 lbs		3 25
Solid, "		1 50

SAWS.

Hand, Disston's, dis. 12½ to 15 p.c.
S. & D., 40 per cent.
Crosscut, Disston's, per ft | 0 35 | 0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.
Hack, complete, each | 0 75 | 2 75
" frame only | | 0 75

SAW SETS.

"Lincoln," per doz ... 5 50 6 00

SCALES

Gurney Scales, 45 p.c.
B. S. & M. Scales, 45 p.c.
Champion, 55 per cent.
Fairbanks Standard, 45 p.c.
" Dominion, 60 p.c.
" Richelieu, 60 p.c.
Chatillon Spring Balances, 25 p.c.

SCREENS.

Door, patent per doz	6 00	12 00
Window, per doz	2 00	3 00

SCREW DRIVERS.

Sargent's, per doz ... 0 65 1 00

SCREWS

Wood, F. H., iron, and steel, 80 and 5 p.c.
Wood R. H., " dis. 75 and 5 p.c.
" F. H., brass, dis. 75 and 5 p.c.
Wood, R. H., " dis. 67½ and 5 p.c.
" F.H., bronze, dis. 67½ and 5 p.c.
" R.H. " 62½ and 5 p.c.
Drive Screws, 82½ and 5 per cent.

Bench, wood, per doz	3 25	4 00
" iron, "	4 25	5 75

SCYTHES.

Discount, per doz. net ... 4 50 6 00

SCYTHE SNATHS.

Canadian, dis. 50 p.c.

SHEARS

Seymour's, dis. 50 and 10 p.c.
Heinisch, dis. 50 and 10 p.c.
Clauss, full nickel, 50 and 10 p.c.
" japanned handles, 67½ p.c. off.
Seymour or Heinisch tailor shears, 15 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SNAPS.

Harness, German, dis. 35 to 37½ p.c.		
Acme	3 00	5 00
Lock, Andrews'	4 50	11 50

SOLDERING IRONS.

1, 1½ lb., per lb	0 37
2 lb. or over, per lb	0 34

WROUGHT SPIKES.

Discount, 35 to 40 per cent.

SQUARES.

Iron, per doz	1 65	2 90
Steel, dis. 70 per cent., revised list.		
Try and bevel, dis. 50 to 52½ p.c.		

STAMPED WARE.

Plain, dis., 75 and 12½ p.c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized	3 25
Bright	3 00

STOCKS AND DIES.

American dis. 25 p.c.

STONE.

	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador		0 13
" Axe		0 15
Turkey		0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, per ton	15 00	18 00

Stove Polish.



No. 4—3 dozen in case, net cash ... $4 50
No. 6—3 dozen in case, " ... 7 50

STEP LADDERS.

Best grade, from 3 to 10-ft. long, per foot, 16c.
2nd grade, 3 to 10-ft., per foot, 10c.

TACKS BRADS, ETC.

	Per cent.
Strawberry box tacks, bulk	75 and 10
Cheese-box tacks, blued	85
Trunk tacks, black and tinned	85
Carpet tacks, blued and tinned	80
" " (in kegs)	40
Cut tacks, blued, in dozens only	75 and 5
" ¼ weights	60
Swedes, cut tacks, blued and tinned—	
In bulk	80 and 12½
In dozens	75
Swedes, upholsterers', bulk	85
" brush, blued and tinned, bulk	50
" gimp, blued tinned & japanned	75
Zinc tacks	30
Leather carpet tacks	60
Copper tacks	50
Copper nails	52½
Trunk nails, black and tinned	70
Clout nails, blued and tinned	70
Chair nails	40
Cigar box nails	40
Patent brads	45
Fine finishing	45
Picture frame points	20
Lining tacks, in papers	10
" " in bulk	15
" " solid heads, in bulk, 75 and 12½	
Saddle nails in papers	10
" " in bulk	15
Tufting buttons, 22 line, in dozens only	60
Tin capped trunk nails	15
Zinc glazier's points	5
Double pointed tacks, dozens	85 and 5
" " " bulk	40

TAPE LINES.

English, ass skin, per doz	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TINWARE.

Stamped, dis., Assn. list, 80 per cent.
Japanned, prices on application.
Pieced, prices on application.

TRANSOM LIFTERS.

Payson's per doz ... 2 60

TRAPS. (Steel.)

Game, Newhouse, dis. 40 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's, discount 10 per cent.		
German, per doz	4 75	6 00
Brade's "	5 00	10 50

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb		0 21
Wrapping, mottled, per pack	0 50	0 60
Wrapping, cotton, per lb	0 17	0 18
Mattress, per lb	0 33	0 45
Staging, "	0 27	0 35
Broom, "	0 30	0 55

VISES.

Hand, per doz	4 00	6 00
Bench, parallel, each	2 00	4 50
Coach, each	6 00	7 00
Peter Wright's, per lb	0 12	0 13
Pipe, each	5 50	9 00
Saw, per doz	6 50	13 00

WIRE.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire. 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Smooth Steel Wire, base, $3.00 f.o.b. factory points List of extras: Nos. 2 to 5, advance 7c. per 100 lb.—Nos. 6 to 9, base—No. 10, advance 7c.—No. 11, 14c.—No. 12, 20c.—No. 13, 35c.—No. 14 47c.—No. 15, 60c.—No. 16, 75c. Extras net per 100 lb.: Coppered wire, 60c.—tinned wire, $2—oiling, 10c.—special hay-bailing wire, 30c.—spring wire, $1—best steel wire, 75c.—bright soft drawn, 15c.—in 50 and 100-lb. bundles net, 10c.—in 25-lb. bundles net, 15c.—packed in casks or cases, 15c.—bagging or papering, 10c.
Fine Steel Wire, dis. 17½ per cent. factory. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, $7.65—No. 24, $8—No. 25, $9—No. 26, $9.50—No. 27, $10—No. 28, $11—No 29, $12—No. 30, $13—No. 31, $14—No. 32, $15 No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31, $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.40—No. 9, $2.90—No. 10, $3.50—No. 11, $3.55—No. 12, $3.05—No. 13, $3.15—No. 14, $3.90—No. 15, $4.50—No. 16, $4.65.

Broom Wire, per lb	0 05	0 05½
Clothes Line Wire, 19 gauge, per 1,000 feet		3 30

WIRE FENCING.

	F.O.B Toronto
Galvanized, 4 barb, 2¼ and 5 inches apart	3 25
Galvanized, 2 barb, 4 and 6 inches apart	3 25
Galvanized, plain twist	3 25

Terms, 2 per cent. in 10 days.

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net ... 1 75

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 70 to 70 and 10 p.c.
Standard, dis. 60, 60 and 10 per cent.
Coe's Genuine, dis. 30 to 32½ p.c.
Diamond, dis. 33⅓ to 35 per cent.

Towers' Engineer, each	2 00	7 00
" S., per doz	5 80	6 00
G. & K.'s Pipe, per doz		3 40
Burrell's Pipe, each		3 00
Pocket, per doz	0 25	2 90

WRINGERS.

Leader	per doz.	$60 00
Royal Canadian	"	58 00
Royal American	"	48 00

Discount, 45 per cent.; terms 4 months, or 3 p.c. 30 days. Prices are f.o.b. London, Hamilton, Toronto, Brockville or Montreal.

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9-25
9-27
9-29

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Est. 1863 — Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

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Gold Medal at Atlanta, 1895

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BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM
HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

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Its splendid new features and patented improvements give it a superiority quickly appreciated—its practical ease of regulation and economy with fuel commend it to everyone.

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FRONT DRAW-OUT GRATE
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and other details of construction appeal irresistibly to the buyer.

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REPORT OF MARITIME BOARD OF TRADE CONVENTION.

EQUIVALENT TO COST.
Langwell's Babbitt
--Montreal.

CANADIAN
HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XI. MONTREAL AND TORONTO, AUGUST 26, 1899. NO. 34



Magnolia Metal

Best Anti-Friction Metal for all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up in bars, of which this is a

FAC-SIMILE.

The name and trade mark appear on each box and bar, and besides this, the words "Manufactured in United States" and "Patented June 3, 1890" are stamped on the under side of each bar.



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LONDON OFFICE—49 Queen Victoria St.
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Owners and Sole Manufacturers,
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Galvanized Iron, flat or corrugated; Black Sheet Iron or Steel, or Poultry Netting,

Specify Lysaght's.

JOHN LYSAGHT, Limited,
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Perfect Heating.

The Safford Patent Radiators combine all the desirable attributes of a perfect steam and hot-water heater, because—trifles make perfection possible. There is great strength, durability, lightness and beauty in the "Safford"; but that is not all—IT IS ABSOLUTELY NON-LEAKABLE.

It has a free and positive circulation, because the openings are so large that there is nothing to retard the

HOT WATER OR STEAM

—within a minute after the heat is turned on it circulates through the pipes. The Safford cannot leak, because it has SCREW-THREAD NIPPLE CONNECTIONS. Send for illustrated catalogue of

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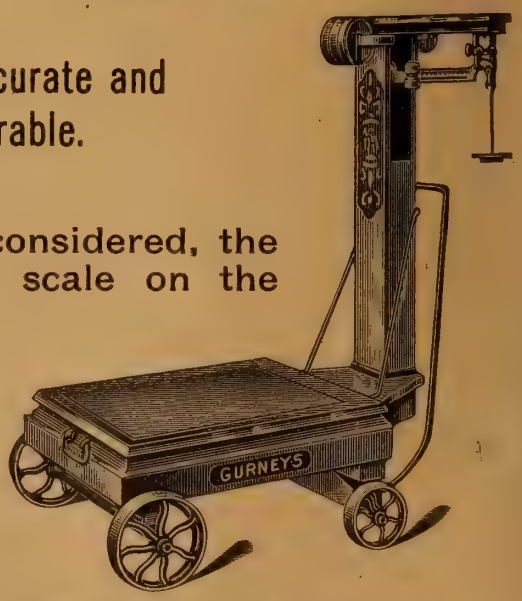
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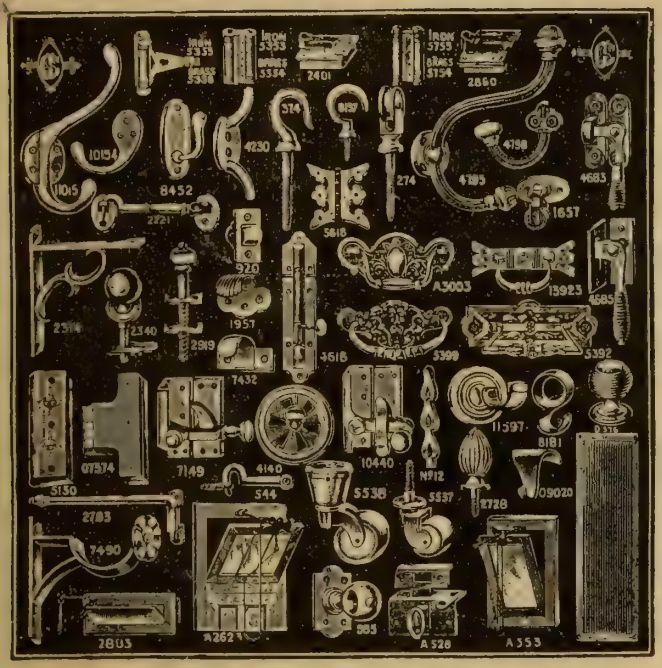
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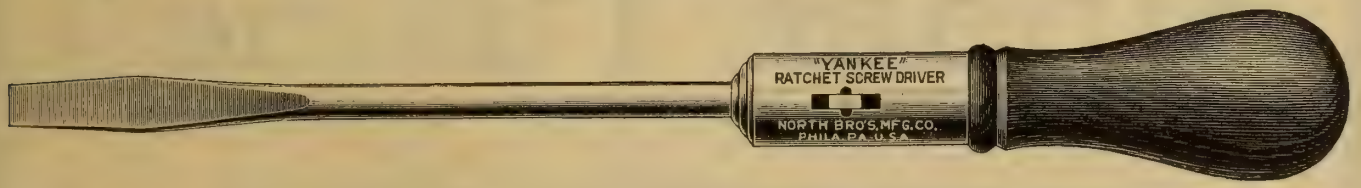
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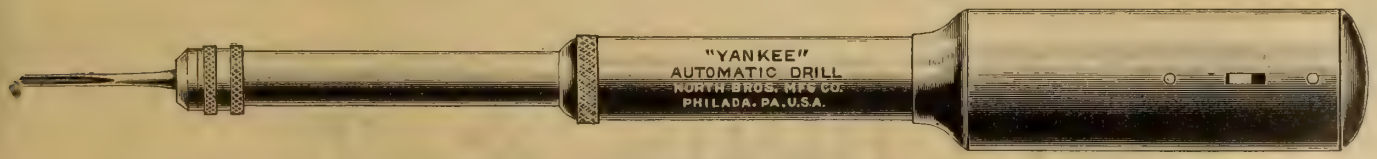
are sold by Leading Jobbers throughout the Dominion.



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No 40 AUTOMATIC DRILL.

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The long fibre we make them of is responsible for this.

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We are offering special inducements in Binder Twine. If you want any it will pay you to write us for prices.

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There is none "just as good."

Pure Manila 650-ft. to the lb.

Blue Ribbon

Special Manila

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These Twines will not bunch at the knotter, and a Binder will run all day with them without stoppage, thus saving time, annoyance and an endless lot of trouble.

We pack our twine in bags of the size of ordinary grain bags and are not ashamed to put our name upon them. Don't take any other.

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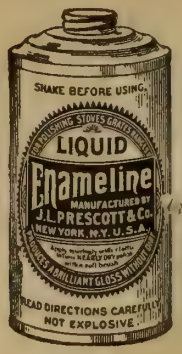
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Sizes of Blunt:



WRITE FOR DISCOUNTS.



Sizes of Sharp Calks below for Fall of 1899:

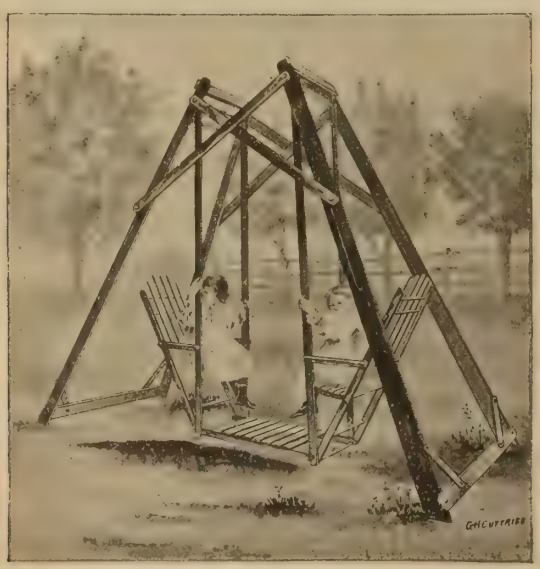
No.	Length.	Size.	No.	Length.	Size.
0	1½ inch	3/8 x 5/16	4	2¼ inch	3/4 x 3/8
1	1½ "	1/2 x 5/16	5	2½ "	3/4 x 3/8
2	1¾ "	9/16 x 3/8	6	2¾ "	7/8 x 7/16
3	2 "	5/8 x 3/8	7	3 "	7/8 x 7/16

Price, $1.25 per box of 25 lbs. in bulk.
Or 24 lbs. in 4-lb. packages.

No.	Length.	Size.	No.	Length.	Size.
0	1½ inch	9/16 x 3/8	4	2½ inch	3/4 x 1/2
1	1¾ "	9/16 x 3/8	5	2¾ "	15/16 x 9/16
2	2 "	11/16 x 7/16	6	3 "	15/16 x 9/16
3	2¼ "	3/4 x 1/2			

Price, $1.50 per box of 25 lbs. in bulk.
Or 24 lbs. in 4-lb. packages.

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The Leader Lawn Swing

Children's Delight, Satisfying to all, Perfectly Safe, Very Strong, Most Restful and Invigorating.

ORDER NOW.

The Dowswell Manufacturing Co.
HAMILTON, ONT. Limited

KEMP'S SLICK OIL CANS

- Increase your sales by handling Slick Oil Cans.
- A first-class leader for the Fall trade.
- A perfect Can at a low price.
- The Oil is never spilled.
- The Clothes are never soiled.
- The Lamp is always clean.
- The Lamp will never overflow.



The Pump is attached in the simplest and strongest manner possible, and will not get out of order with ordinary use.

Kemp Manufacturing Co.
Toronto, Canada.

HARDWARE AND METAL

Vol. XI. MONTREAL AND TORONTO, AUGUST 26, 1899. No. 34

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WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

MERCHANTS AND TOURIST ACCOMMODATION.

IN TRAVELING, one cannot help being struck with the way in which many places in Canada with natural attractions and advantages are largely deprived of their attractiveness to tourists by the passiveness of the regular residents.

When tourists visit a locality, they are not satisfied with its natural attractions, no matter how famous these attractions may be.

They want accommodation.

"God knows a man cannot work unless he ates," is the remark accredited to an Irishman. And everybody knows that people cannot go holiday touring unless they "ate," and "slape," too, might be added.

Yet, many summer resorts which are all that the heart can desire otherwise are so deficient in the essential of accommodation that not one-tenth the people visit them who otherwise might.

It is as much the duty of the business men in those summer resorts as of any other class to concern themselves in regard to accommodation for tourists at the hotels, etc., in their respective districts.

The better the tourist travel the better it is for the business men.

Every tourist that visits a town or city may not leave money directly with the merchants, but most of them do. And this is certain: There is not a dollar left in a town by a tourist but that a goodly portion of it is not subsequently distributed among the merchants doing business therein.

Wherever there is a village, town or city which has, or should have, attractions for tourists, either winter or summer, there should be an organization of business men and any others sufficiently alive to interest themselves in the matter, whose special duty should be both to induce tourists to visit their particular locality and to see that proper accommodation is provided for their entertainment.

Canada has enormous possibilities in the way of attractions to tourists. No country has probably more in either bulk or variety, but it is deplorable how little this is known. It is true that the attractiveness of the country for tourist travel is gradually becoming better known. It is largely, however, in spite of ourselves. But what might not be done if within the next few months a few hundred live tourist organizations were to spring up in Canada?

WATCHING THE OTHER FELLOW.

Merchants who never make a move until they see what their competitors do never lead; and because they never lead they are never really what can be termed successful.

It is the same in business as in a race: the prizes fall to the leaders.

When a man is preparing for a race, he does not concern himself about what his competitors are doing. All he is concerned about is getting himself "fit."

It is the same with bright up-to-date merchants. They want to get "fit." And in pursuance of this desire, they never cease trying to master the details of their business; they keep themselves informed as to the condition of the market, and as to new goods so that they can buy right; they read trade papers and keep their eyes open when abroad, so that they can gather ideas and enlarge those they already have; they keep their stores in good order and study window dressing and advertising.

Business is not a lottery with them; it is a success.

STEEL WORKS FOR NOVA SCOTIA.

Another large iron and steel establishment is to be organized in Nova Scotia.

It appears that a scheme is being developed in Great Britain whereby the Nova Scotia Steel Co., of New Glasgow, and the General Mining Co. will be merged into one.

The new company is to establish works at North Sydney, which, it is declared, will surpass those of the Whitney syndicate. Shipbuilding and steel rail plants are to be put in and the concern is to be capitalized to the extent of $25,000,000.

The company owns iron ore mines in Newfoundland, and it is understood that 300,000 tons have been sold in Europe for immediate delivery.

THE CANADIANISM OF THE MARITIME PROVINCES.

THE address of Mr. Jarvis, President of the Maritime Board of Trade, a report of which will be found in full elsewhere, should be read and digested by every Canadian.

In point of ability, in extent of information, it is exceptionally rich. But its Canadianism is one of its most striking features.

The Maritime Board of Trade, as its name implies, is a sectional organization; that is, the object of its being is to promote the commercial interests of the three Provinces of New Brunswick, Nova Scotia and Prince Edward Island. Had, therefore, the address dealt with nothing but that which appertained to these three Provinces it is only what might have been expected.

But, while the Maritime Provinces received a large share of attention, an undoubted national spirit was abroad in the address. Even in the references to some of the matters appertaining to the Maritime Provinces one could read between the lines much that was gratifying to national pride.

When Confederation was consummated there was very little in the immediate prospect that was encouraging to the people of the Maritime Provinces; and this is implied in Mr. Jarvis' address. From the rest of the Dominion the Maritime Provinces were as isolated as they well could be. But the Confederationists were walking by faith, not by sight. And the references in Mr. Jarvis' address to the development of the Maritime Provinces prove that they had reason for the faith that was in them.

In the Western part of Canada there is a feeling, which is happily growing less and less every year, that the people of the Maritime Provinces are not in sympathy with them; that they have little or nothing in common nationally.

If those who are that way of thinking had been present at the convention of the Maritime Board, and listened to Mr. Jarvis' patriotic words and the enthusiasm with which they were greeted by the business men representing the three Provinces of Prince Edward Island, Nova Scotia, and New Brunswick, they would have learned how unjust they were in their views.

The people of the Maritime Provinces are as much concerned in the development of the Dominion as the people of any other part of the Dominion. And if more people from Western Canada would hie themselves to the summer resorts of the Maritime Provinces, instead of to summer resorts of foreign countries, they would have an opportunity of learning this as well as of appreciating the beauty and the majesty of the scenery in that part of the Dominion.

FURTHER ADVANCES IN VALUES.

DURING the past week there have been radical advances in several important lines of raw material at points of production. This, and the possibility of still further increase in the cost of supplies, has compelled makers, both in the United States and Canada, to advance prices on several important lines of finished material.

For instance, there have been advances of 15c. in the base price of both smooth steel wire and wire nails, the former being quoted at $3 per 100 lb. and the latter at $3 per keg f.o.b. Montreal, and in Toronto $2.90 and $3 respectively. The list discount on fine steel wire has been reduced from 20 to 17½ per cent., meaning an advance of 2½ per cent. in prices.

Escutcheon pins are 5 per cent. higher also, now selling at 40 instead of 45 per cent. discount off the list. Fence staples are 20c. per keg higher, at $3.25, and double pointed tacks are advanced 5 per cent., the discounts now being 85 per cent. in dozens and 40 per cent. in bulk, instead of 85 and 5 and 45 and 5 respectively.

Other changes are in contemplation in addition to these, but at this writing have not been actually decided upon.

Merchants' bar iron has been advanced 10 to 15c. per 100 lb., the base now being $2.10 to $2.15. Makers' reserve stocks are practically exhausted, and they are so choked up with orders, that a further rise is not at all impossible in the near future. Horseshoe iron has also been marked up 15c. from $2.25 base to $2.40.

Similar strength is noted in raw material abroad, as intimated above. In Glasgow, pig iron has advanced 2s. the ton on the week, and, at Pittsburg, billets have jumped $1.50 the ton to $36.50. Last year, at this time, they were selling at $16 the ton. With this further advance in billets, which makes $3 in the past four weeks, it is quite natural to see the rolling mill men advance their prices.

A TIME TO APPLY PRESSURE.

IT is often said that "misery loves company." We in Canada are prone to complain that commercial interests have to play second fiddle to political interests. There is some comfort in the knowledge that even in so well-governed a country as Britain, commerce feels itself pushed aside in Parliament.

There was a meeting of the Leicester Chamber of Commerce the other day. Some plain language was used in connection with the neglect of business interests by the House of Commons. One member thought that railway influence was predominant in the House. Another argued in favor of forming a commercial party. At present, he said, they could not get commercial legislation passed.

This resembles a condition which is often deplored in Canada. Again and again such subjects as insolvency, a fast Atlantic line, railway rates, etc., are either overlooked or scamped altogether, by reason of the fact that the politicians turn to other questions —and we business men allow them to do so. They should be made to toe the mark. As long as we merchants do not insist on being attended to, why, the political managers will go on with other business.

A good time to remedy this state of things is on the eve of a general election. Governments are believed to be more pliable and more amenable to reason then than at other times. Many persons believe that a general election is at hand in the Dominion.

If, therefore, our merchants have certain legislation or reforms at heart, we would advise them to lay their heads together and make the demand now. Is it insolvency laws, Customs' regulations, or something similar which they want? Let them go in strong deputations to the Ministers and press their claims. They will be listened to.

ADVANCE IN TINNED SHEETS.

Tinned sheets have again advanced. The appreciation is ½c. per lb., and we now quote as follows: 24 gauge, 7½ to 8c.; 26 gauge, 8 to 8½c.; 28 gauge, 8½ to 9c.

THE LESSON OF THE SITUATION.

There is no question but that the outlook this season is exceptionally bright. Large crops and high prices are making the Canadian farmer rejoice; manufacturers of all varieties of goods are working their men overtime at advanced wages; our mineral resources in the Klondyke, in British Columbia, in the new Ontario and in Cape Breton are being developed at an unprecedented rate; the value of our great spruce forests in Quebec, Ontario and New Brunswick are being recognized and utilized as never before; not for years has there been so few unemployed in our large cities.

In fact, in whatever direction one looks; from whatever viewpoint the matter be considered, the result is to strengthen one's belief in the brightness of the outlook for Canada in the next few years. It would be a veritable pessimist who would talk "hard times" to-day.

Yet, a word of caution would not be out of place. The greater the prosperity of the next few years, the more competition will surely be induced to enter the field; and greater will be the reaction when it comes.

There has never yet been a boom without a panic, and exceptional prosperity is generally followed by a reaction.

While this is more true of older countries, and while the continued development of the wheat areas of the Northwest and the mineral resources of many of our Provinces may be depended on as a force to allay or lessen the reaction, yet the exceptional conditions cannot be expected to always prevail.

If, in a country town, the grocers, hardware dealers, druggists, or any class of merchants, evince unusual prosperity, there is a likelihood of new competition. Others not getting as large a share of the good times may enter this seemingly fertile field to get a share of the pasturage. They may be fitted to compete, and soon cut down the revenues of the older merchants to what they had been making before the season of unusual prosperity commenced. They may not be fitted to compete, but, by unwise cutting or giving credit, they may, in another way, hamper the older merchants, and reduce their incomes to a normal figure.

Should then, a merchant refrain from taking advantage of the good times prevailing in the fear of inciting competition? By no means. But he should never allow a year or two of exceptional profits to establish an exceptional rate of personal expenditure.

It is pleasant to increase one's home or personal expenses, but it is neither easy nor pleasant to curtail them.

The wise plan during the good years is to either put the extra earnings into the business or put it into a safe investment, so that when a few lean years come, a reserve will be in readiness for all possible obligations.

The man who lives up to his income obviously cannot ever attain to riches. But he who takes advantage of the good year to lay the foundation of a "banked reserve" may lay at the same time the foundation to a fortune.

In time of peace, prepare for war,
In time of plenty, prepare for want.

A BIG BICYCLE COMPANY.

A syndicate of Canadian capitalists, including the Hon. Geo. A. Cox, Toronto; Warren Y. Soper, Ottawa; W. E. Hart Massey, Toronto; Hon. Lyman M. Jones, general manager of The Massey-Harris Company, and E. R. Thomas, manager of The Cleveland Bicycle Co., Toronto, has purchased four of the principal bicycle manufacturing firms of Canada.

These firms, which are The Massey-Harris Bicycle Co., Limited, Toronto; H. A. Lozier & Co., Toronto Junction, makers of the "Cleveland"; The Welland-Vale Mfg. Co., St. Catharines, makers of the "Perfect" the "Garden City," etc., and The Goold Bicycle Co., Brantford, makers of the "Brantford," have been paid for their business, and the syndicate will assume control of them all on September 1.

The output of the four factories is over 30,000 wheels a year. The new company intends to increase the capacity in many respects. All the different wheels made by the four factories will still be manufactured. It is intended to build up a good export trade, to capture a large proportion of the home trade that now goes to the United States makers, and to start making juvenile wheels and automobiles.

The making of automobiles is a new field for Canadian enterprise, but the company believes that it can produce them at a cost that will bring them within the reach of people of moderate means. At present they cost from $1,500 to $2,000 each. Most of the material used in their manufacture is also employed in making bicycles, and only slight additions to existing plants would be required.

A HEAVY TRADE IN STOVES.

DEALERS who have not yet placed their orders for stoves should do so without delay.

On account of the heavy demand, manufacturers, last year, experienced a great deal of difficulty in supplying it.

But great as the difficulty was last year, it promises to be even more so this year. At any rate the demand, so far as can be learned, is much larger than it was up to this time in 1898.

Heavy shipments are already being made in view of the threatened return of last year's difficulty.

How possible a scarcity of stoves in the future is may be gathered from the fact that the manufacturers cannot now supply their show-rooms with complete lines of samples.

In furnaces, while the heavy shipments are not yet being made, a greater number than is usual at this time of the year are going forward.

CEMENT IS DEARER.

The great development of the Portland cement industry in Canada has been the subject of several articles in this paper. It has been stated that the production of this article has increased from 30,580 to 96,825 barrels in four years, and the output this year is likely to show as great an increase as has been noted in recent years.

The large offering of high-class Canadian Portland has naturally caused a reduction in the sales of German and Belgian cements in the Province of Ontario.

Some large contracts have been let recently. One of these, calling for 12,000 barrels, for the Trent canal, has been secured for the Dominion Government by a Canadian firm, the Rathbun Co., Deseronto, Ont.

The result is that, notwithstanding the great increase in the production, these contracts have combined with the large general demand to raise the price of carload lots of Canadian Portland from $2.50 to $2.60 per barrel. Barrel lots can still be purchased at $2.65 to $2.90 per barrel.

THE MAKING OF A MERCHANT.

By H. N. Higinbotham.

IN discussing the entry of a young man into the retail business there are certain things which are so fundamental that they must be taken for granted. Without them there can be no permanent or substantial success in any undertaking. Among these requirements are character, integrity, and a fair "business head."

The first rule which a young merchant going into the retail trade should make for himself with heroic determination is that of doing a business consistent with his captial. Failure to observe this rule is the rock on which thousands of promising commercial undertakings have gone to pieces. Whether the capital put into the enterprise be large or small, its size should absolutely govern the volume of business.

What should we think of an architect who would start a building on a foundation 40 feet square, and then build without reference to its limitations, until the structure completely overhung the underpinning on all sides? Yet, this is precisely what thousands of young retail merchants throughout the country are attempting to do. They try to brace up their top-heavy structure with the timbers of fictitious credit. These may hold it in fair weather, but when the period of storm and stress comes—as come it surely will—this false support will come crashing down, and the enterprise tumble with it.

My individual conviction is that the only way in which a retail business can be conducted on lines absolutely consistent with its capital is on the cash basis. For this reason, I would not advise any young man to make a venture in retail trade on credit lines. It is too much like working in the dark. Almost inevitably, the accounts grow beyond your control, and the business structure expands at the top while the foundations weaken.

In certain communities, conditions seem to be such that it is practically impossible for the young merchant to introduce the strictly-cash method of doing business. In this event, he has but one hope of success—that is, to watch his accounts with a zealous vigilance that never relaxes, and to act with promptness and decision in the matter of credits and collections. This may require a high order of business and moral courage, but he must be able to do it, if he would avoid wreck.

In his dealings with his creditors, the wholesalers, let the young merchant keep firmly to the rule of incurring no obligation that he cannot with certainty meet in 60 days. Too much emphasis cannot be placed on his connections with the wholesale house or houses from which he obtains his goods. At the very beginning of his venture let him go to the credit man of the wholesale establishment, and state his case without reservation.

So thorough and searching are the means employed by the big wholesale houses to obtain an accurate knowledge of the standing and affairs of their debtors, that it is practically hopeless for the latter to attempt any concealment of unfavorable conditions. Again, the credit men of the wholesale houses are the keenest men in the business, and their judgment of human nature is quick and shrewd. Then, it should be constantly held in mind that the honesty of a patron seeking credit is half the battle, and that their confidence is won by an ingenuous statement of affairs that does not spare the one who is asking for credit.

The first interview of the young retail merchant with the credit man of the wholesale house is sometimes a trying ordeal in which many uncomfortable questions have to be answered. This may incline the beginner in the retail trade to avoid the credit man after the initial interview has been successfully passed. He could make no greater mistake than to allow this association with a disagreeable ordeal to alienate him from a close acquaintance with the credit man. To the contrary, he should improve every opportunity to strengthen and build up a confidential relationship with that important functionary of the wholesale house. Not once, but constantly, should he acquaint the credit man with the real condition of his affairs, and should ask and follow the advice of this counselor on all important matters. The more he does this the better will be his standing with the house and the safer will be his course. Advising patrons is one of the most important duties of the credit man. I place great emphasis on this matter because its importance is so often overlooked by young men starting in the retail trade.

Another cardinal point in the success of the retail merchant is that of having a small but frequent influx of new goods. This is founded on a universal trait of human nature which craves "something new." There is a subtle flattery, practically irresistible, in being shown goods that have not been exposed to the eyes of others in the town.

"Here are some of the latest styles," says the retailer, as he reaches into a packing-box and takes out a bolt of dress goods. "They have just come in, and no one has seen them. You may have first choice, if you wish." This argument seldom fails to effect an immediate sale. And, even if it does not do so, the woman to whom this courtesy is shown goes away with the impression that the young merchant is wide awake and thoroughly up with the times.

The dealer who puts in a small stock at the start and keeps constantly adding thereto with fresh but limited invoices has an immense advantage over the tradesman who buys in large quantities and does not freshen his stock for six months at a time. In these days women are the most numerous and important customers of the retailer, and they do not like to see the same old goods. They will trade where they can find something fresh every time they call.

All big businesses have had small beginnings. I do not know an exception to this rule. This means that a successful enterprise must have a normal, substantial and legitimate growth. If a young merchant finds himself in quarters larger than he at first demands he should change for smaller ones, or partition off a portion of his room at the back. The latter is better than attempting to put in a larger stock than his trade really demands or his resources warrant. It is really better judgment than to attempt to "spread" his stock over a large space for the mere purpose of filling up.

While the proprietor should be the first at the store in the morning and the last to leave it at night, and should be always ready to do anything that he would ask his humblest clerk to do, he should always remember that he must do the headwork of the business. He can hire a boy to candle eggs, sweep out and deliver goods, but if he does not do the thinking and planning it will not be done. That is something that he most faithful and conscientious clerk cannot do for him. If he allows the physical part of the work so to encroach on his time and energies that he does not find opportunity for a frequent and thoughtful survey of his business, he makes a great and a common mistake. This principle is stated forcibly, if uncouthly, in the old expression: "Let your head save your heels."

The young merchant who takes time at regular intervals to make a close summary and analysis of his accounts, and takes his bearings so that he knows precisely his position on the sea of business, is the man who will succeed. In other words, the

WIRE NAILS
TACKS
WIRE
Prompt Shipments
The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

mental part of the business is the most important feature. However, I hold that, at more or less frequent intervals, the storekeeper should personally do every task about the establishment for the sake of influence and example.

Let him take the broom from the hand of the boy and show the latter how to "sweep out" without stirring up a dust or leaving dirt in the corners; this will give added respect in the eyes of the boy, and the store will thereafter be cleaner by reason of the example; and so with every task, no matter how trivial or humble.

Then, the young merchant will do well always to bear in mind that courtesy is the biggest part of his capital. This does not mean that he should be obsequious and fawning, but simply and invariably attentive to all who enter his place of business.

The matter of advertising is not an unimportant detail. In the local newspaper the young retailer may wisely use a limited amount of display advertising space. This will be most advantageously occupied by a simple, dignified and modest announcement of new goods. Like his stock, the subject matter of his advertisement should be kept fresh by constant change. It should also have the individual quality both in its wording, form and type—something that expresses the personal good taste of the advertiser.

There is no doubt that a neat circular or folder sent personally to patrons is a strong method of advertising. Such announcements may be delivered by messenger or distributed through the mails. Best of all is the neat personal note written to the merchant's best customers, calling attention to fresh arrivals of goods. The spare moments of a young merchant may be put to a far less effective use than this writing of individual advertising letters.

It is scarcely possible to put too much emphasis on attractive window displays. Here, again, the element of constant freshness plays an important part. The displays should be frequently changed, and, while striking, they should never fail to have the quality of good taste. Good statuary, pictures, curios and art objects of every kind may be used to unfailing advantage in dressing windows, and they always command the attention and admiration of women. It pays the enterprising merchant to secure the loan of works of art for this purpose, and they are not difficult to obtain.

In looking after all these details, which are of importance in the general result, the young retailer should not fail to keep a proper perspective of his business as a whole. He should know just where he is sailing, and be sure that he is not drifting. In this way, he will become a safe pilot, and will bring his enterprise into the harbor of success and independence. And the prosperous retail merchant is a very independent and respected member of the community in this country, where the honest tradesman commands the regard to which he is entitled.

CONSTANT ASSISTANCE

from us in the way of advertising helps and suggestions means a great deal to any enterprising merchant. It means progress and success.

We have spent thirty years in perfecting our present advertising system so as to make it the greatest help to dealers. We believe that the way to reach the consumer is through the dealer, and all our advertising efforts are directed to that end. Our regular methods are supplemented by special, personal help. We are always at the service of our customers. We want to give all the help we can, not in paint selling alone, but in general business as well.

Backed by The Sherwin-Williams goods and advertising, you can sell more paint than in any other way.

Do you want particulars?

THE SHERWIN-WILLIAMS CO.
PAINT AND VARNISH MAKERS.
CLEVELAND.
CHICAGO.
NEW YORK.
MONTREAL.
BOSTON.
TORONTO.

Canadian Division:
21 St. Antoine St.,
Montreal.

CATALOGUES, BOOKLETS, ETC.

ENAMELED-WARE CATALOGUE.

The catalogues issued by the enameled-ware manufacturers of Canada will, as a class, compare favorably with the catalogues of any class of article produced in this country. One of the best of these that has ever been received by HARDWARE AND METAL is the catalogue just issued by The Ossekeag Stamping Co., Hampton, N.B. The value of this work does not consist only n its great beauty, but in the truth of its illustrations and in the lucid descriptions and price list which it contains. The work is well worth sending for.

WHILE AT THE FAIR.

Those patrons or friends of The Gurney Foundry Co., Limited, Toronto, who have in past years visited the warerooms of this company during Exhibition time, will not fail to accept, if possible, the invitation that this company sends out to them to call again this year. The sole exhibit of this firm will be, as in former years, at 500 King street west. Their large display will include a number of modern goods, which have been added to their stock during the year.

For the convenience of those of their friends who cannot visit Toronto, this company intend making a complete exhibit of their leading lines at the store of Joseph W. Chambers, 382 Richmond street, London, during the dates of the Western Fair.

MANY KINDS OF BASKETS.

John H. Grout & Co., Grimsby, Ont., have issued a brief folder describing the various styles of boxes, crates, etc., made by them. One of the latest productions is their "Ideal" crate for berries, etc. It is so constructed that there is sufficient space between the berry boxes and the intersections to prevent crushing of berries and allow lots of air space for ventilation. The "Climax" baskets made by this firm have already earned an excellent reputation. The folder, which contains a price list as well as illustrated descriptions of the various lines manufactured, can be had upon application.

J. & G. Powell, general merchants, Tilbury, Ont., have assigned to C. B. Armstrong, and a meeting of their creditors will be held on August 25.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

PIGEON & CO., general merchants, Ottawa, Ont., have assigned, and their creditors meet on August 28.

Mary E. McNaughton, general merchant, Creemore, Ont., has assigned to Robert R. Hall.

Mrs. J. A. Blondin, general merchant, St. Maurice, Que., is offering 40c. on the dollar.

F. P. Bruneau, general merchant, Lyster Station, Ont., has assigned to Bilodeau & Renaud.

Herman Cleland, general merchant, Hallsville, Ont., has assigned to W. B. Lawson.

Urgel Plouffe, harness dealer, Penetanguishene, Ont., has assigned to A. B. Thompson.

Copartnership has been registered by McKay, McAskill & Co., general merchants, Baddeck, N.S.

J. A. Palmer, general merchant, Maple Creek, N.W.T., has admitted A. J. Smith under the style of Palmer & Smith.

The creditors of Isaac Lewis, contractor, Westmount, Que., whose liabilities are placed at $5,000, have arranged for a meeting on August 28. Robert Lewis, of Westmount, has been appointed provisional manager of the estate.

PARTNERSHIPS FORMED AND DISSOLVED.

Annie Trudel has registered as proprietress of J. F. Trottier & Co., general merchants, Grand Mere, Que.

J. L. Johnson & Co., hardware dealers, etc., Edmonton, N.W.T., have dissolved, J. L. Johnson continuing.

Charles Malburn and Florent Mouille have registered partnership under the style of T. Mouille & Co., locksmiths, Montreal.

Joseph Laporte and Aristide Valiquette have registered partnership as coal dealers, under the style of Valiquette & Laporte, Montreal.

CHANGES.

Joseph St. Onge is starting a general store in St. Onge, Que.

Charles Robertson, general merchant, Strabane, Ont., is removing to Alberton, Ont.

George Keeley, blacksmith, Vankleek Hill, Ont., has given up business in that place, and has started in Ottawa.

Antoine Robert has registered as proprietor of the Canada Lamp, Brass and Aluminum Works Co., Montreal.

Agnes Robillard, has registered as proprietress of A. Robillard & Co., bricklayers, Montreal.

SALES MADE AND PENDING.

Thos. E. McMillan, blacksmith, Ottawa, has sold out.

The real estate and plant of J. W. Smith, electrical contractor, Point Gatineau, Que., has been sold.

E. Newton & Co., general merchants, Greensville, Ont., have sold out.

The assets of H. R. Noyer, general merchant, Bic, Que., are advertised for sale.

The C. Dahl Co., general merchants, Orangeville, Ont., have sold out to Armitage & Lee.

FIRES.

Pimodon Langlois, general merchant, Kamouraska, Que., has been partially burned out.

T. W. Nolan, carriagemaker, Buctouche, N.B., has been burned out; insured.

DEATHS.

I. G. Hutchinson, general merchant, Brighton, Ont., is dead.

F. X. Gougeon, hardware dealer, St. Henri de Montreal, is dead.

IF you want a good

Bicycle, Shot Gun, or Revolver,

Buy an . . .

IVER JOHNSON

Iver Johnson's Arms & Cycle Works

FITCHBURG, MASS.

BRANCHES—
NEW YORK—99 Chambers St.
BOSTON—408 Washington St.
WORCESTER—304 Main St.

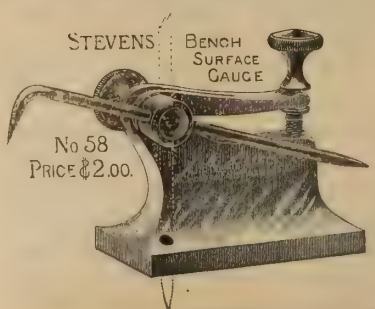
FOR YOUNG CANADIANS.

Don't wait until the iron's hot,
But make it hot by muscle.
Don't wait for the wealth your father's got,
Take off your coat and hustle.

What a year 1900 is to be! What a time for the young Canadian hustler—the rapid stenographer, the expert bookkeeper and the nimble telegrapher! They will all be wanted just as surely as that bright year is coming around. A start now will put you with the successful ones, and we can start you aright. Will you send us your name and let us tell you how? It is no trouble to us, and will benefit you.

W. H. SHAW, Prin. CENTRAL BUSINESS COLLEGE, Toronto, Ont.

STEVENS ...FINE TOOLS



We make a perfect line of

CALIPERS and DIVIDERS

Also such tools as Surface Gauges, Tool Makers' Clamps, Center Punches, etc.

Write for our New Catalogue containing a description of our Tools. It is also a valuable hand-book of information for mechanics and people interested in such lines.

J. Stevens Arms & Tool Co.
P.O. Box 216, Chicopee Falls, Mass, U.S.A.

Carried by our representatives at Toronto and Montreal.

To the Hardware Trade Only

If you attend the great

Canadian Industrial Exhibition

Kindly reserve enough time to pay us a visit.

Our travellers and warehouse staff will be on hand to show you every attention.

We hope you will favor us with a call.

H. S. HOWLAND, SONS & CO.

WHOLESALE HARDWARE MERCHANTS

37-39 Front Street West — **TORONTO**

Our Samples of Seasonable Goods will be open for Inspection.

A SUCCESSFUL MAN'S VERDICT.

C. P. HUNTINGTON, president of the Southern Pacific railroad, who rose from the hardware business to his present position in the railroad world, relates to an exchange his advancement in life in the following interesting manner :

"It was merely evolution. I had been a trader from my youth. I began gathering shillings when I was eight years old, and had a wide experience before taking up railroad work. It was not a jump for me.

"It isn't by sudden jumps that healthy success is attained. It's by steady work and honesty of purpose. A middle-aged man may jump from one business to an entirely different one and succeed, but it will need hard work and the probabilities will be against him. The foundation of success is laid in youth.

"Between the ages of 15 and 22 most men are made. A man can learn more in those seven years than in any others in his whole life, yet those are the years that many youths spend at college unfitting themselves for commercial pursuits, learning things that are of no use to them—actually building up a barrier against success.

"The successful man learns the rudiments of business in early life. The unsuccesstul man is the one who in his youth watched the clock to see that he did not begin work a minute ahead of time—or quit a second behind it. Those are the boys who are discharged first, whenever the staff is reduced ; but the boy who thinks of working instead of quitting, and looks after his employer's interest instead of his own ease, is the man who is kept on, and goes ahead and succeeds.

"Success is a simple thing. The money saved in early life grows in fortunes later on. The young man who can always save 10c. a day is a man of sense. He is on the road to success. But the young man who trades this 10c. for a cigar is a fool.

"There may be cases where fortunes are made by jumps, but great success comes from persistent effort. It is a mistake to point out the accomplished work of a successful life and ask a young man to duplicate it. The immensity of such a work appals him. It is like taking him suddenly to the top of a high steeple to see a great city. The great height makes him dizzy, but to the steeplejack, who knows his business and has scaled the steeple, it is quite a little matter. That is the reason why rising men should not look ahead. They should work for to-day and to-day only, and if they do that faithfully and live economically, they'll be ready for whatever comes on to-morrow.

"My part in the organization and building of the Central Pacific did not seem a great task for me, because my hardware business, when I laid it down, was greater than my railroad business when I took it up. I called it a hardware business ; we bought and sold all kinds of things—thousands and thousands of dollars worth of goods that never saw the inside of our store. We bought whole cargoes and sold them direct from the ships. I recall buying one cargo at 10 per cent. above the invoice prices, paying only $5,000 down. The aggregate business done by our firm amounted to perhaps more than $5,000,000 annually, and so the organization of the Central Pacific came as a comparatively easy task."

WHAT TO DO ON DULL DAYS.

It is a good time when business is rather slow to burnish and polish up plated wares, brass goods, etc., which have grown tarnished from damp air, dirt and neglect. These goods present a very bad appearance when tarnished. Do you have a water cooler near the door with plenty of ice water in it? If you do not, it would be well to put one up as soon as possible. Customers will be highly appreciative of the convenience. Also have plenty of palm-leaf fans handy ; they will all be needed. When dressing windows this time of the year it would be well to use draperies which are cool in color ; that is to say, blue or green. Red or yellow give the impression of warmth and should be reserved for winter use. Everything should be done now to give an appearance of coolness at least. Ice coolers, filters and everything intended more particularly for summer use should be prominently displayed. If it is possible odd lots of goods should be closed out cheap, instead of keeping them till next season, for by keeping them just so much money and store room are tied up.

OF INTEREST TO THE TRADE.

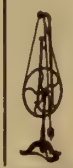
During Fair time, this year, as in recent years, The Gurney Foundry Co. have decided to welcome all visitors at their own commodious show-rooms instead of making an exhibit on the Fair grounds. All friends and patrons of the firm, and all interested in any of the many lines of cooking and heating goods they manufacture, will receive a cordial welcome at 500 King street west, Toronto, where the ample space of their show-rooms will give everyone a chance to view the various good at leisure and in comfort. As cars to and from the Exhibition Grounds pass the door every minute, visitors to Toronto will find it very convenient to drop in and see the extensive lines manufactured by this well-known firm.

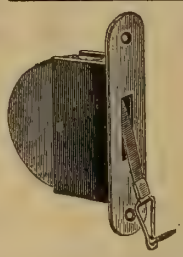


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As in recent years, we will have no display on the Exhibition Grounds—but trust that all who are interested in **COOKING AND HEATING GOODS** of any and every description will make a point of inspecting our lines.

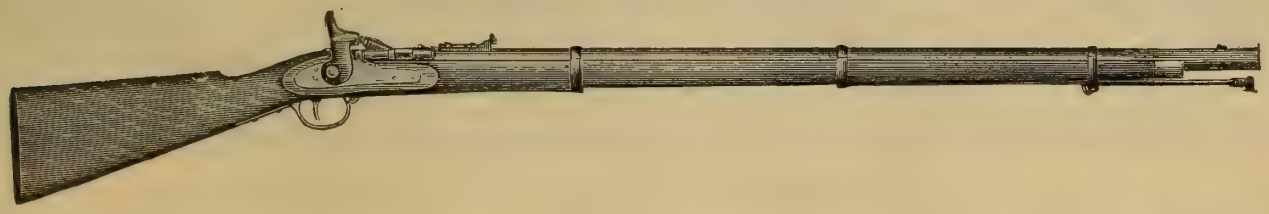
Cards have been sent to many of our patrons and friends drawing attention to the special display we make in our own commodious show rooms at Fair time—but, whether you've received one of these cards or not, we want you to call and see the most extensive range of Cooking and Heating goods to be found in the Dominion.

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It **has** large rolled **edges** that will not **tear** waggon or factory floors.

Its "inside of bottom" fits snugly to hoops, using less time and solder in making. This **counts.**

Its "wearing parts" are strongly **re-enforced,** insuring greatest **durability.**

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CONVENTION OF THE MARITIME BOARD OF TRADE.

BUSINESS MEN FROM NEW BRUNSWICK, NOVA SCOTIA AND PRINCE EDWARD ISLAND MEET AT ST. JOHN AND DISCUSS LIVE SUBJECTS.



THE Maritime Board of Trade, composed of representatives from the Provinces of New Brunswick, Nova Scotia and Prince Edward Island, held its fifth annual convention in St. John, N.B., on August 16, 17 and 18. This is the second time the convention has been held in St. John, the first meeting having been held there.

The convention was opened on Wednesday evening shortly after 8 o'clock. President W. M. Jarvis, of St. John, N. B., was in the chair, and about 60 delegates were present. The names of the delegates present at this and subsequent sessions were as follows :

St. John — W. M. Jarvis, S. Schofield, D. J. McLaughlin, W. S. Fisher, W. F. Burditt, George Robertson, I. I Barry, J. A. Lakely, T. N. Estabrooks, W. F. Hathaway, F. A. Dykeman, C. E. McMichael, T. H. Somerville, T. H. Hall, H. A. Harvey, James Jack, W. H. Thorne, T. B. Robinson, F. S. Potts.

St. Martin's—W. H. Moran.

St. Stephen—G. W. Ganong, M.P., E. G. Vroome, A. I. Teed, F. M. Murchie.

Amherst—B.W. Ralson.

Berwick—H. V Broome, J D. Clarke, jr.

Ridgetown—John Erwin.

Charlottetown—H. Hazzard, George Hughes.

Chatham—D. G. Smith, W. S. Loggie.

Dartmouth—J. B McKenna.

Halifax—C L. Dodge, James Seely, G. E. Calkin, M. G. DeWolfe, R. S. Eaton.

Kings County Fruit Growers Association—P. Innes.

Middleton—O. E. Roger, F. E. Cox.

New Glasgow—C. G. Armstrong, J. D. O'Connell, W. B. McKay, M. Heustis.

Woodstock, N.B. — Alex. Henderson, James Carr, T. C. L. Ketchum.

Hartland, N.B.—J. T. G. Carr.

Digby—G. T. Detney.

Mr. H. C. Creed, secretary of the Halifax Board of Trade, occupied a seat at Secretary F. C. Allison's desk, and lent the latter gentleman his assistance.

"I think, gentlemen," remarked President Jarvis, after the roll had been called, "that we can congratulate ourselves upon having the best and most representative gathering we have ever had." Everybody smiled and said "hear, hear."

The number of boards represented at the meeting was 16.

A telegram was read from the Sydney, C.B., Board of Trade regretting inability to send delegates. The Kentville board wrote tendering best wishes and inviting the Maritime Board of Trade to hold its next annual convention in that town. The Montreal, Ottawa and Kingston Boards of Trade wrote regretting inability to accept an invitation to send representatives to the convention.

President Jarvis : "I might explain that we sent invitations to six of the principal boards of trade in Western Canada, and I regret that none of them have been able to send representatives.

SECRETARY'S REPORT.

Secretary Allison presented his report, which read as follows : Your secretary-treasurer begs herewith to hand you his report for the past current year. After the close of the last annual meeting, which was held at Truro, on August 17, 18 and 19, 1898, the secretary, Mr. G. A. Hall, handed to me the books and papers of the Board of Trade of the Maritime Provinces, together with a financial statement for the fiscal year 1897-1898, showing a balance in favor of the board of $36.35, which amount was also paid to me by Mr. Hall. I herewith beg to hand you separately my account for the past year, showing a balance of $67.80 in favor of the board. On September 15, 1898, a meeting of the council was held at St. John, which was attended by delegates from the Boards of Trade, of Halifax, Kentville, Sussex and St. John, at which, in addition to other business, it was decided to hold the present annual meeting at St. John.

The following is an alphabetical list of the boards of trade now established in the Maritime Provinces :



GENERAL VIEW OF ST. JOHN.

Amherst, N.S.	North Sydney, N.S.
Berwick, N.S.	New Glasgow, N.S.
Bridgetown, N.S.	Parrsboro', N.S.
Charlottetown, P.E.I.	Pictou, N.S.
Chatham, N.B	St. Andrews, N.B.
Dartmouth, N.S.	St. John, N.B
Fredericton, N.B	St. Martin's, N.B.
Halifax, N.S.	St. Stephen, N.B.
Kentville, N.S.	Springhill, N.S.
Kings County, N S.	Sussex, N.B.
Londonderry, N.S.	Sydney, C.B.
Lunenburg, N.S.	Truro, N.S.
Middleton, N S.	Windsor, N.S.
Moncton, N.B.	Wolfville, N.S.
Newcastle, N.B.	Woodstock, N.B.

The report, on motion, was received.

President Jarvis : "Our constitution and by-laws declare that one delegate from each board shall form a committee to determine the order in which matters for discussion shall come before this convention. The

board which has the largest membership has the right to name the first subject, the next the second, and so on."

NOMINATING COMMITTEE.

The following nominating committee was named: Messrs. D. J. McLaughlin, St. John; M. G. DeWolfe, Kentville; W. S. Loggie, Chatham; J. M. Carmichael, New Glasgow; H. Hazzard, Charlottetown; John Ervin, Bridgetown; J. E. DeWolfe, Halifax; W. V. Brown, Berwick; Alex. Henderson, Woodstock; A. I. Teed, St. Stephen; W. H. Moran, St. Martin's; P. Innes, Cold Brook; J. B. McKenna, Dartmouth; F. E. Cox, Middleton; C. J. Armstrong, Sussex.

On motion of Mr. John Ervin, of Bridgetown, the members of the above committee were also appointed a committee to nominate the officers for the ensuing year.

THE PRESIDENT'S ADDRESS.

President Jarvis then delivered his annual address, which was as follows:

It will be five years next October since the conference to which the Board of Trade of the Maritime Provinces owes its existence was held at St. John. Upwards of 20 years ago a Dominion Board of Trade was established, and, in July, 1874, its annual meeting was held in this city, and the St. John board gladly welcomed their friends from other parts of Canada. But the difficulties of maintaining so extended a connection proved too great, for the time at least; and, finally, the meetings of the Dominion Board were discontinued.

When the conference in October, 1894, was proposed, there was very little thought of its expansion into a Maritime Board of Trade. But the president of the Halifax board was able to attend the meeting. He was warmly welcomed. It was felt that benefit could not but result if such gatherings could be held from time to time. In August, 1895, the Maritime Board of Trade was organized at Halifax. In 1896 a constitution and rules were formally adopted at St. John; and it has since met at Charlottetown, in 1897, and at Truro, in 1898.

MARITIME AND LOCAL BOARDS.

Perhaps it may be well at the outset to admit that even yet the Maritime Board has hardly passed beyond the experimental stage.

With the local boards it is different. Here and there some one may flag for a time, but it is unlikely that, at least in the larger centres, they will ever cease to exist. And, indeed, their existence and their vigor may be taken in some degree as an index to the life and energy of the locality in which they have their place. The scope and interests of the local board are coming to be generally understood. The first thoughts of its members are given to the well-being and prosperity of the place in which they live. It claims in return the support of the citizens whom more or less directly it represents. There is no interference with the municipal authorities as representing the people at large. But as the duties of such municipal bodies are largely administrative, the need is felt for another organization, representative in a limited sense only, composed in part perhaps of such members of the municipal bodies as can spare time for the consideration of public questions outside the administrative routine, but including also other citizens who can act with them in considering matters of public interest and suggesting measures which may promote the general good. Suggestions emanating from such a body can carry weight only in proportion to their intrinsic worth, and the arguments by which they may be sustained. The boards of trade exist as means through which information may be circulated at home and abroad, as channels through which the views of their members can be made public, criticized, approved or condemned, and as factors in the education of the public mind. If they are consulted by the governing bodies on matters of local importance, it is only because they represent and centralize the opinions of the citizens whom their membership includes.

The Maritime Board has a wider field, and that very circumstance deprives it in some degree of the interest which attaches to the local boards. It appeals to us as dwellers in the Maritime Provinces of Canada, as Acadians, shall I say? For I think that that good old word should not be left altogether to our fellow-countrymen of French descent. But the Acadian idea is in its infancy. Too often in the past have the Maritime Provinces shown a divided front, and too often, indeed, have differences appeared within the Provinces themselves. We are beginning now to realize how much we have in common, and that in union there is strength. We are being welded together as our relations became more intimate and intercourse extends. We find in the existence of this Maritime Board the expression of a desire for yet closer union. Its well-being can be threatened only if it it is found to be in advance of the general desire for such union that exists.

The Maritime Board of Trade was formed to strengthen the ties that bind these Provinces together. It furnishes a means through which questions of extended interest may be brought into more general notice by the local boards. It is intended to bring together delegates from all parts of the Maritime Provinces, and to enable them to enter into each other's circumstances and each other's wants. A legislative union of the three Provinces has often been thought of as a means of harmonizing divergent interests and enabling them to present a united front. The difficulties in the way of such a union have proved insuperable. But the Maritime Board of Trade, if it can be maintained, may furnish a field where such wider questions can be considered, information can be extended, local jealousies removed, and a more united action encouraged and even secured.

And the Maritime Board may well prove useful, too, in extending through the rest of Canada the more intimate acquaintance with the varying interests of Nova Scotia, New Brunswick, and Prince Edward Island, which it promotes at home. It is impossible to pay an extended visit to the Upper Provinces or the West without realizing how little is known of Maritime interests there. Our summer visitors come very largely from the United States. We gladly welcome our cousins from the South, but we have ample room, also, for our brethren from the West. Trade relations are slowly extending, but very much yet remains to be done.

This meeting, indeed, has furnished an opportunity to invite the presidents of the principal boards of trade in Ontario and Quebec to be present with us, which has been gladly welcomed. A suggestion made by the editor of The Monetary Times, at Toronto, was acted on, and invitations were sent out as soon as the necessary railway arrangements could be made.

When the Dominion of Canada was established in 1867, the

MARITIME PROVINCES WERE CUT OFF

by the forests of south-eastern Quebec. Seven years passed before Prince Edward Island joined the union, and nearly ten before the thin iron line of the Intercolonial railway cut through these forests, and gave an easy access to the St. Lawrence and the West. It was nearly ten years more before the completion of the Canadian Pacific railway brought us within less than a day's journey of Montreal. Until these connecting links were established, it was not to be expected that mutual intercourse would extend. And, unfortunately, even at the present day, our fellow-subjects elsewhere in Canada seem unable to realize the resources of the Maritime Provinces, or the extent to which the well-being of all Canada is bound up with their development. Millions may be spent on the canals and other public works of the interior, on the harbors of Montreal or Quebec, or on railways in the West. But appropriations for Halifax, St. John, or some other Maritime Province point, are keenly and jealously watched.

Let us be careful that we do nothing among ourselves to increase this tendency, and let us not forget that it exists. It is natural that our claims should be thought lightly of by those who, cut off in the past from us as we have been from them, have learned to look to Boston and New York as their most convenient outlets, and who have never realized the advantages which the Maritime Provinces possess and the facilities which their ports can supply. It is unnatural when the just claims of some struggling centre are spoken lightly of, or opposed even, from a want of interest or fancied rivalry among ourselves. It is fratricidal. The Maritime interests must develop together or not at all. Whatever may be urged from any one point against another will most surely turn against its authors in the end.

It is not, I think, too much to claim that the Maritime Board of Trade has already given proof of its usefulness. Not only have several harmonious gatherings taken place, but their effect has been lasting. Warm friendships have been established. Halifax and St. John are coming to look on each other with less of rivalry and a growing desire for each other's welfare. Prince Edward Island can feel that its interests have a place in the thoughts of those on the mainland. And those who met last year at Truro were able to realize not only the hospitality, but the beauty of our inland towns, and brought away with them pleasant recollections not soon to be effaced.

Year by year, if these meetings can be maintained, the benefit must increase. We have much to interest us: The coal and iron interests of Sydney, North Sydney, New Glasgow and Pictou; the lumber industries of the Miramichi; the commercial activity and growth of Truro; the manufactories of Moncton, Woodstock and almost every other town; the wonderful recuperative power which Windsor has shown since the devastating conflagration in 1897; the summer attractions of Fredericton, Wolfville, Kentville and the many other points of beauty in a fair country which is a tourists' paradise throughout; the growing traffic at Halifax and St. John; mines being developed; factories starting into existence; fisheries prospering; agriculture and commerce extending. Such topics are coming to have more than a local interest, and, as each new development is heard of, it should be felt that, wherever within the three Provinces it may have its place, it cannot but contribute to the good of all.

THE GROWTH OF THE MARITIME PROVINCES.

We have, in these Provinces, a rich inheritance. It is a new country. Little more than a century ago it was a wilderness. Look at the contrast now. The natural features are the same. Halifax and Sydney had their magnificent harbors. The St. John river then, as now, flowed for nearly 500 miles from its head waters to the sea. But the forest wealth has been reached, though not exhausted. The fertile land is tilled, though there is an abundance for the new settler still. Mineral wealth has been found where its existence was not dreamt of. Two thousand miles of railway bring each city, town, and village, even, into close connection with others and with the world beyond. Steam vessels, furnishing every comfort to their passengers, ply, during the open season, on the River St. John, through the Bras d'Or lakes, and elsewhere. The Bay of Fundy is crossed from St. John to Digby in two hours and a half. Along the coast from St. John to Eastport and St. Andrews in one direction, and to Yarmouth, the towns on the westward shore, and Halifax in another, and from Halifax to Sydney and beyond, regular services are maintained; and to Prince Edward Island two steamship routes are open during the summer and one during the winter months.

In the cities and larger towns electric railways carry their passengers for a trifling fare. The telephone brings each house and village, even, into close connection with the rest. Coal gas and electricity furnish us with light, and, where these are not available, the earth oils are to be had at a trifling cost. Fuel, both coal and wood, is abundant, and, if we have a longer winter than more southern climes, in the warmly-built houses we have learned to construct, we scarcely feel the effects.

Factories have extended and new industries are springing up. There are the sugar refineries at Halifax; the large cotton mills at six different points; the pork factory at Charlottetown; the pulp mills at Chatham and St. John; steam sawmills and other woodworking factories, foundries and machine shops, smelting works, nail factories, paint factories, canning factories and woollen mills; the wrapper factory at Woodstock, the stamping company turning out glazed ware at Hampton, and other manufactories of almost every description steadily making good their foothold at these and other points.

Agriculture, too, in the widest sense of the term, is improving. Yearly exhibitions encourage the farmer in the production of better stock. The old staple crops—hay and potatoes—are still grown, but the tendency is towards utilizing these bulky products, not easily sent to an outside market, for the growth of stock and the manufacture of cheese and butter at home. The apple product in Nova Scotia, on the Upper St. John and elsewhere, is extending. Small fruits are produced in abundance. Some parts of the Maritime Provinces indeed, and, especially Prince Edward Island, seem intended by Nature to furnish the later garden product for the rest of Eastern Canada and the Northern States. Asparagus luxuriates in the rich Prince Edward Island soil; and where, 40 years ago, the cultivated berries were almost unknown, and the wild fruit only was to be had, we have now the garden fruit everywhere exposed for sale; while the poorer farmers have turned the wild fruit to advantage, and the strawberries, raspberries and blueberries, grown in barrens and clearings, are gathered by their children and give a ready cash return.

We speak of the poorer farmers, and yet pauperism, as it exists in older countries, is unknown. There are hospitals and there are almshouses for the suffering and the unfortunate. But a considerable proportion of those cared for at the public expense are waifs from other lands, and the remainder, almost without exception, consist of those who might have done better if they would.

And in many a country district poverty, even of this kind, is almost unknown. Our public school system furnishes a free education to all. Artizans and laborers find employment at good wages. There is a livelihood for all who will work, if not in the towns, in the country where there is ample room and to spare.

The days of wooden shipbuilding are passing away, but there is good ground for hope that before long iron shipbuilding in the Maritime Provinces may take its place. The iron and steel works now under construction at Sydney will bring its noble harbor to the front. Halifax, long the headquarters for the North American station of the Imperial Navy, has now its dry docks, and furnishes not merely an Atlantic seaport, but a safe retreat for vessels disabled or in distress. St. John hopes to have its dry dock too, and the two cities are striving side by side to secure their due share of the great and growing traffic coming from the rich farming lands of the interior. Their rivals in the United States, Boston and Portland, supported by the Central Government at Washington, are straining every nerve to keep to the front. But for four winters regular ocean freight services have been carried on by steamship lines from Halifax and St. John. New grain elevators now under construction at each port will be in readiness for next winter's use. And Charlottetown is to have direct steamship communication with Liverpool as well.

The picture may seem a bright one, but is it overdrawn? Put it at the least, and, if some Rip Van Winkle of but 60 years ago could awake, would he not think himself in some singular dream rather than in this portion of the busy world in which we live?

HINDRANCES.

And if I remind you of the progress which has been made, it is in no spirit of boasting but rather as an encouragement to future effort. Much has been done, but very much remains. There has been much in the past, and there is much now for which we should be thankful to the Giver of all good, and yet we must not forget that future progress, while not dependent altogether upon ourselves, cannot be maintained unless prudence and energy continue to be shown. The foundation is but laid. It is for us and those who come after us to build upon it, and to build with such harmony of purpose that each may advance the common good.

There is no marked wealth in these Maritime Provinces. While there is very general comfort, there is little of what may be called affluence, and, of what there is, very much is invested where assessors cannot reach it, or concealed.

Capital is required for the development of new industries, and it is well known that several of those recently originated could not have been established without assistance from abroad. This is one of the drawbacks we have to deal with. The boards of trade may well consider in what way it can best be met.

In our temperate climate we are free from the earthquakes of the tropics and the tornadoes of the west. Our seasons are not always equal, but we have never undergone the long drouths which are impoverishing our sister colonies in Australia, and almost forcing them to call for outside help. But we may have poor seasons for the farmer still, or in some other way our progress may be checked.

The city of St. John, in which we meet, has had its sad experiences in the past. For the first 50 years of its existence it prospered through the influence of import duties levied in the United Kingdom on Baltic lumber. Gradually they were reduced, and at last repealed, and there followed a period of trouble and distress. Then came the days of wooden shipbuilding, and St. John became not only celebrated for the vessels it produced, but one of the great ship-owning ports of the world. Wooden ships gradually passed out of use, and then, again, came depression and decay. And upon this followed the disastrous conflagration of 1877, when nearly $15,000,000 worth of property was destroyed, and less than half of this was insured. But St. John, supported indeed and encouraged by the kindly sympathy and generous contributions of her friends, rallied from the shock, though it was many years before the loss was overcome.

Windsor, too, Bridgewater and Digby, and even St. John in part again, have suffered more recently. Such trials have everywhere to be met. They teach us to husband our resources, but they should never damp our energy. It is to the present we have to look. I have spoken of the past. I think there is much to encourage us now.

THE PRESENT CONDITION OF THE MARITIME PROVINCES.

Within the Maritime Provinces, while much will yet depend upon the weather of the next few weeks, there is every prospect of an abundant harvest. Mr. Bigelow, the president of the Nova Scotia Fruit Growers Association, tells me that it is expected there will be 400,000 barrels of apples for export this year, against 300,000 exported in 1898. Strawberries and other small fruits have been plentiful among ourselves, and in good demand abroad. Though in some sections the grass was partially winter-killed, the hay crop will be a good one generally. The potato and other root crops promise an abundant yield. Oats, also, are promising well. The growth of wheat is being developed. A larger acreage seems to be coming under cultivation. More stock is kept by the farmers, and dairying is generally on the increase.

The lumber cut of last winter was probably from one-third to one-fourth below the average, but the high freshet and subsequent rains have enabled the lumbermen to get out a large supply of logs. Less than 5 per cent. of the cut has been hung up. There may not be enough to keep the mills busy during the whole year, but prices have improved. The English market for lumber has been firm, and shingles again are in general demand.

Factories of all kinds are busily at work, and the energy of the manufacturers is steadily extending their market over Canada and elsewhere.

Notwithstanding the recent accident at the Caledonia mines, near Glace Bay, the output of coal for 1899 will be larger than in any previous year. The introduction of improved machinery is enabling the gold mines of Nova Scotia to be worked to greater advantage, and the product is steadily increasing. With the completion of the iron works at Sydney the annual production of pig iron in Canada will, in the near future, be more than doubled. Mineral products of various other kinds are being worked or developed.

The trade of the year has been fair. Failures have not exceeded the average, and business seems generally to be in a healthy state. The hardware business has a sister association of its own, and aims to bring its interests throughout the Maritime Provinces into one. Quietly, but steadily, the wholesale trade in every department is being developed. It would, I believe, extend much more rapidly but for the pressure of municipal taxation, to which I shall presently allude.

It would be out of place in this connection to give statistics of the progress in the various industries, even were I in a position to do so. Such statistics are essentially of a local nature, and should be furnished rather by the local boards. But it is safe to say that, throughout the Maritime Provinces generally, there is every reason to feel satisfied with the present condition of affairs, and reasonable ground to hope that the general prosperity may continue and increase.

PREFERENTIAL TRADE.

The Maritime Board of Trade, during its brief existence, has dealt with many important questions. First among these stands, I think, the position affirmed at Halifax, in 1895, that the products of Canada should be exported through Canadian ports. The memorial based upon the resolutions then adopted has been acted upon by the Government of the Dominion. Subsidies for Atlantic steamship services are now offered only when the western port of arrival and departure is within Canada itself. This great principle has become fully recognized and generally accepted. It seems unlikely that any subsidy will hereafter be given, as such subsidies were given for years in the past, to assist in building up the commerce of foreign ports.

The day may come when such subsidies will no longer be required, and I feel certain that there is no member of this board who will not rejoice when such shall be the case. It would mean that all Canada was at one in its desire for preferential trade within this great Dominion. It would mean that Canada was complete in itself, and at last taking its due place in the great British Empire encircling the world. It would mean a thorough development of commerce from our ports. Mails and passengers would no longer be conveyed across the Atlantic by the longer, but by the shortest possible routes. Paying freight services from the Maritime ports of Canada must bring fast passenger and mail services in their train. The one is but the development of the other, or rather its complement. As the traffic extends the correspondence expands, and the merchant will himself cross the Atlantic again and again to establish and regulate his connections on either side.

But, while our railway connections were incompleted, vast interests have grown up to the south, and fast lines of steamers have been established with which it would be hopeless, without some such temporary aid, to compete. Not only is the longer railway haul against us, but facilities for the export trade have been established at ports in the United States which we can only hope to gain in time. Canadians are not given to change. They have become accustomed to the established routes. It will take years, perhaps, before our fellow citizens in the interior learn to look on the Maritime Province ports as their business outlets and to give them the preference even on equal terms.

And, again, the

QUESTION OF RETURN FREIGHTS

has to be considered. Rapidly as the Maritime Provinces are developing, the traffic originating within their limits is as yet comparatively small. Steamship owners naturally desire to carry freight both ways, and it is the same with the great railway lines. Only as preferential trade within the Empire becomes thoroughly developed can it be hoped that full freights will be found for the great carriers by land and sea, and only as such full freights are found can it be hoped that the freight will be carried on the most favorable terms.

Meanwhile, in order that such traffic may be developed, the subsidies are given. And, surely, with such an end in view no patriotic Canadian can object to their continuance for a time.

It was hoped at one time that the older of the great Canadian railway systems, established by British capital and controled from the Motherland, would have carried its rails across New Brunswick to Salisbury or Moncton, and thence found outlet at Halifax, St. John or elsewhere, over the Intercolonial railway or parallel lines. Unfortunately this purpose, and I believe it was once thought of, seems to be abandoned, and Portland, Me., is being built up through its means. We have still the Canadian Pacific and the Intercolonial routes with their outlets at St. John and Halifax. While these great lines, the one under private and the other under Government control, must have their rivalries, they have also great common interests which should lead them to work harmoniously together. It is only through their doing this that their great work can be successfully carried out.

The resolution adopted four years ago at Halifax was but a step towards the accomplishment of a purpose fast gaining a foothold in the minds of subjects of the British Empire throughout the world. We wish to maintain friendly relations with all men, and especially with those who are our brethren, who are of the same race, speak the same language, even though they may prefer a different form of Government to our own. But the Imperial idea is gaining ground, and finds its expression in the topic "Imperial Trade within the Empire," which has been suggested for your consideration now.

PRINCE EDWARD ISLAND.

Improved communication between Prince Edward Island and the mainland has also been already considered and should always have a place in our thoughts. I think sometimes that our Island friends have many and great advantages. If they are cut off from us by a few miles of sea they have wonderful resources within themselves. Their Island is a garden whose capabilities are only beginning to be developed. The Straits of Northumberland are so narrow that the songbirds cross with ease, and yet they may serve to keep more noxious visitors away. And, so, luxuries which are not always benefits may be shut out, and perhaps the home of a prosperous Prince Edward Island farmer is, in all that makes up the truest enjoyment of human life, one of the happiest in the world.

But for purposes of trade, if on no other account, the most ready communication with the mainland is required. Another steamship has just been completed for the winter route. This may well be supplemented by a telegraphic service on the same terms as that enjoyed over the rest of the Dominion.

IMPROVED TRAFFIC SERVICES, PASSENGERS AND FREIGHT.

Last year, at Truro, the Maritime Board urged upon the Government of Canada, the importance of more perfect regulations for preventing accidents at the crossings on the Intercolonial railway. This year, a kindred subject has been brought forward under the head of "Improved Regulations for Passenger and Freight Service on the River St. John." There is, I am informed, great need for such improvement. Elsewhere, steamers like railways have their freight and passenger stations with wharves or piers at which their traffic can be safely carried on. On the St. John it is the custom to pick up passengers and freight from boats almost wherever these may put out. The boats are not always manned by expert or licensed boatmen. It

may be a convenience to have the conveyance thus brought to the door of each farmer or summer resident. But it may be a question whether, as population and traffic increase, the convenience of the individual should not yield to the need for guarding against danger to human life, and whether some regulations should not be adopted, either as to fixed stopping places or licensed boatmen, which may serve to prevent the accidents which may otherwise occur.

Other subjects of like nature suggested for consideration are: The construction of the electric railway through the Annapolis Valley from Digby or Annapolis to Halifax; daily or more frequent sailings in winter by the steamship line between Digby and St. John; the rate of freight on apples via Halifax, St. John, and United S ates ports, and the more careful handling of freight. Such topics are more than local in their nature. They affect wide districts, even though the whole of the Maritime Provinces may not be concerned. And such prominence as may be given them now will enable the local boards more directly interested to deal with them, feeling that their efforts are better understood, and that they have the sympathy and support of all.

FIRE INSURANCE—STATUTORY CONDITIONS.

Last year, at Truro, the subject of "Statutory Conditions for Fire Insurance Policies" was considered, and I am now able to submit for your consideration a copy of the Act passed by the Nova Scotia Legislature, under which such conditions came into force in that Province on the first day of July last. The object of the Act is to secure uniformity in the fire insurance contract, and this object has, to a very great extent, been secured. There was no opposition on the part of the insurance companies. They would have preferred generally a stricter form of contract as more likely to prevent fraud and entitle the fair insurer to protection at the least possible cost But even this has, to some extent, been attained, through the power given to the companies to add variations to the statutory conditions, subject to the decision of the court as to whether such variations may be reasonable and just.

The extent to which fire insurance enters into the business transactions of the Maritime Provinces may not be generally understood. The premiums received by the companies average a little more than $1,000,000 yearly, or very nearly one-seventh of the premiums paid within the Dominion. They were but $750,000, 15 years ago. The entire fire loss of the last three years in the three Provinces together has been about $4,200,000, or an average of $1,400,000 for each year. Of this amount about $1,800,000, or an average of $600,000 yearly, has been borne by the fire insurance companies, or perhaps, I may say, has, through their means, been distributed in the shape of fire insurance premiums over the community at large.

The expense of conducting such a business over a wide and scattered field is serious, reaching from one-fourth to one-third of the premiums received. The greater part of this expense, however, goes back to the community in the shape of agents' remuneration, rent, taxes, and other charges. It will be seen that, after the losses incurred and these expenses are allowed for, the companies are not receiving a large return for the protection they give. And I need hardly say that the present year is not likely to turn out to their advantage.

The great cause of fire loss is carelessness, carelessness in the construction of buildings, and carelessness in their use. Where this carelessness can be lessened or prevented the loss is at once decreased, and the premiums are proportionately reduced. Steam sawmills built in accordance with the standards furnished by the fire insurance companies can be insured at one-half the old average rate; and for the better classes of hazards the rates are generally lower than in former years. There is no reason to believe that incendiarism is of frequent occurrence. Many fires are, indeed, I believe, set down to an incendiary which are the result of spontaneous combustion, or of some heedlessness on the part of the owner or the occupier of the property, which he cannot bring himself to believe has produced the unfortunate result. The business has become a science, and, in the effort to adjust the rate to suit the risk, the companies are benefiting the community, since they are encouraging safer construction and deprecating the reverse. Greater care taken to prevent loss must not only tend to preserve property, but also to reduce the rates charged for the protection which the companies give.

Every effort was made to obtain copies of the Nova Scotia Fire Insurance Policy Act in time to enable the committees appointed at the last meeting of this board for New Brunswick and Prince Edward Island to bring the subject before the Legislatures of those Provinces if they saw fit. Unfortunately the copies could not be procured and the matter therefore remains open for further consideration on this occasion.

MARINE INSURANCE RATES.

Passing from fire to marine insurance we have an important topic to consider "The Increase in Marine Insurance Rates in Connection with Canadian Atlantic ports."

This increase has come from Great Britain. Canada has held out her hand with the offer of preferential trade, and charges one-fourth less duty on the products of the Mother Country and her colonies than on those of other lands. It seems hard that almost at the same time her harbors should be singled out and discriminated against in favor of foreign ports.

The fact remains, however, that prohibitory clauses have been inserted in the marine insurance policies, and special charges are made when permits are granted for Canadian Atlantic ports.

It may be freely admitted that the last two or three years the business of marine insurance has been unfortunate. But are the circumstances such that the misfortunes should be visited on the Canadian Atlantic ports alone?

The navigation to the Maritime Province ports, at least from Sydney to the United States boundary, is as open as it is to Boston or New York. The usual route across the Atlantic to Portland and Boston is very much the same. The Castilian was lost last winter, not on her passage from St. John or Halifax, but on her way from Portland, Me. Fogs there may be, but they extend from the banks of Newfoundland to Cape Hatteras. Tidal currents have been exaggerated. Probably they occur all along the North Atlantic coast.

Shipwrecks there will be. When the sailor approaches a harbor he must needs approach the headlands which give protection and safety to the vessels anchored within. If heedlessness is shown, if the lead is not used, or the course is not observed, there can be but one result. We may feel deep sympathy for the unfortunate sailor whose vessel has struck the shore. We may leave him to settle the matter even with his employers, but the port should not be blamed, unless, indeed, there be circumstances which render access to it peculiarly difficult and dangerous. Is this the case with any of the principal Maritime Province ports?

This question has been dealt with by the Halifax, North Sydney and St. John Boards of Trade, but so far without success. It seems to be one which calls for united action. If it primarily concerns the shipowners and the seaport towns, it affects also the fair fame of the Maritime Provinces throughout.

MUNICIPAL TAXATION.

Municipal taxation in the Maritime Provinces is another subject suggested for consideration. There may, perhaps, be some feeling of surprise at its mention. And yet it has a vital bearing on their trade relations, their prosperity and their growth.

Upwards of $1,000,000 is levied each year in the Maritime Provinces for local purposes through direct taxation.

It is a serious charge, and yet it cannot be escaped. Each locality must bear its own burden, and distribute it among those whom it can reach.

The distribution should be fair and just. It is unlikely that any system of taxation can ever be devised which will meet with universal approval. But it may at least be expected that the taxation shall be certain and not arbitrary, and that each ratepayer shall contribute to the public revenue in fair proportion to his means; and that it shall be so distributed that trade shall not be unduly hampered, or the wealth which is necessary for its development forced into concealment or driven away.



THE NARROWS, ST. JOHN RIVER, NEAR INDIANTOWN.

In early days a simple plan was very generally pursued. The assessors determined in their minds the amount each ratepayer should contribute, and entered it against his name upon their roll.

But, as local charges increased, it became necessary to introduce some general system under which the individual assessments should be apportioned.

The systems of municipal taxation followed at the present day may be classed under three general heads:

1. In England, the basis of taxation is real estate, the assessment is usually collected, not from the owner, but from the occupier, and, where the occupier is a tenant, is paid by him in addition to his rent.

2. In the United States, each ratepayer is taxed theoretically on the capital value of his real and personal property, and very generally, though not always, upon his income of the past year, derived from his skill or labor, over a certain exempted amount, or, in other words, upon his personal earnings, above a bare living expense, as well. But, inasmuch as, except in the case of those receiving salaries and the artizan and laboring classes, each ratepayer's earnings are very largely within his own

knowledge, and personal property can readily be concealed, the universal result is that those of only moderate means are required to contribute more than their due proportion, and but a small part of the personal property or invested capital is actually reached.

3. A third plan has prevailed from time immemorial in Scotland, and has been adopted, with some modifications, at Montreal. Under this system, the municipal taxation is divided between the owner of real estate and the occupier. At Montreal, the rental paid is taken as the standard of the occupier's ability to contribute. Neither personal property or income is assessed at all; but special charges in the form of license fees are imposed where the circumstances are such that this can be fairly done.

In no part of Great Britain is personal property or income the subject of municipal taxation. An income tax is levied, but for Imperial purposes only. Personal property, as a rule, is not assessed in any form.

In the Maritime Provinces, the system of the United States has been followed, and the burden of municipal taxation is supposed to be distributed between the owners of real and personal property, and generally, also, subject in some cases to living expense exemptions, upon the income or wage earner, in some proportion to their means.

I have endeavored to tabulate the result of the application of this system to 22 of the cities and towns in the Maritime Provinces, returns from which have been kindly furnished by the boards of trade, or procured from local sources. It is, I fear, but a crude attempt, but its imperfections may be pardoned, since it is, I believe, the first comparative statement of the kind that has ever been prepared:

RATIO OF MUNICIPAL TAXATION AND ITS PROPOSED DISTRIBUTION OVER REAL AND PERSONAL PROPERTY AND INCOME IN THE MARITIME PROVINCES, ACCORDING TO THE ASSESSMENT RETURNS.

	Year.	Ratio of Taxation.	Real Estate.	Proportion charged to Pers'l prop.	Income.
St. John, N.B.....	1899	1.55	.50	.35	.15
Halifax, N.S.....	1899	1.72*	.80	.20	...
Charlottetown, P E I	1899	1.10†	.74	.26	...
Moncton, N.B.....	1899	1.97‡	.76	.22	.02
Fredericton, N.B. ...	1899	6.08⅔	.49	.24	.27
Yarmouth, N.S.	1898	1.55	.58	.40	.02
Dartmouth, N.S ...	1898	1.82	.77	.23	...
Truro, N.S	1899	1.95	.72	.26	.02
Woodstock, N.B.....	1899	1.26	.65	.32	.03
Amherst, N.S	1898	1.50	.67	.27	.06
New Glasgow, N.S...	1898	2.10	.78	.20	.02
Summerside, P.E.I..	1899	.60	.68	.32	...
Pictou, N.S	1899	2.01	.80	.18	.02
Lunenburg, N.S.....	1899	1.40	.60	.38	.02
Windsor, N. S	1899	1.40	.69	.27	.04
St. Stephen, N.B.....	1899	2.00†	.62	.30	.08
Sydney, N.S.....	1899	1.40	.80	.19	.01
North Sydney, N.S..	1898	1.50	.70	.29	.01
Liverpool, N.S..... ...	1898	1.72	.65	.34	.01
Kentville, N.S..... ...	1899	1.90	.79	.20	.01
Chatham, N.B	1899	1.63	.62	.24	.14
Campbellton, N.B...	1899	.90	.58	.22	.20

* The Halifax assessment law provides that stocks of merchandise shall be rated at three-fourths of the actual value, and some other classes of personal property are exempt.

In Nova Scotia, generally, income up to $400 is exempted, and also funds invested in Provincial or municipal debentures, except as to the income derived therefrom.

† At Charlottetown, the ratios for real and personal property differ slightly, and the figures given for the ratio of taxation for Charlottetown and St. Stephen are approximate.

‡ At Moncton, an exemption up to $300 is allowed on all incomes derived from personal earnings.

⅔ At Fredericton, an income exemption up to $300 is allowed, and one-fifth of the supposed value of real and personal estate is taken as the taxable value, against income, over the $300, at the face.

With regard to this table, let me say, first, that the ratios of taxation are, for purposes of comparison, utterly delusive. Real estate is in many cases undervalued, in order that the district may contribute the less to the charges of the larger municipality, of which, for county or township purposes it may form a part; and the ratio is proportionately increased. This is manifestly unjust and unfair. It is unjust to the rest of the municipality and may very likely provoke retaliation of a similar kind. It is unfair to the individual ratepayer, since, if in any case his property is estimated at its full value, he has to contribute more proportionately than others, and is without a remedy. The law contemplates that property shall be put down at its actual value, but it is nowhere said how that value is to be ascertained.

Some principle should be laid down to guide the judgment of the assessors. The best would probably be that all real estate should be valued at the price at which it might reasonably be expected to change hands between a seller and a purchaser, neither of whom was under any special pressure to complete the sale.

But this is not all. The taxation ratio for each town is no test of the burden actually borne. At Halifax it is 1.72 and at St. John 1.55. And, yet, St. John is the more heavily taxed city of the two, since, at Halifax, income, and a large proportion of the personal property, which is subject to assessment in St. John, escapes. Let the incomes taxed in St. John, and the personal property also taxed there, but exempted at Halifax, be taken into account, and it will be found that the ratio at Halifax will fall considerably below that of the sister city.

Fredericton may perhaps claim that it has a low ratio of taxation, because real and personal estate, rated there on one-fifth only of the actual value, pays but 1.22. But what of the incomes so grossly overassessed? Let these be taken into consideration, and the general ratio is at once increased.

If the entire taxation at St. John was transferred to real estate, the ratio would be doubled and become 3.10. If this were done at Halifax, one-fourth only would be added, making it 2.15, while at Fredericton the ratio would become 2.49.

I mention this for two reasons, first, because it is well to be cautious. We are very apt to comfort ourselves under increasing taxation by the thought that we are not so badly off as others And yet we may be

LIVING IN A FOOL'S PARADISE

after all.

But, again, it is an interesting question to what extent the taxation of personal property and income under the American system may shift itself insensibly upon the real estate. Where a high income tax prevails the ratepayer is the less able to give a satisfactory rent. Where personal property is closely followed it is the universal experience that it is driven away. Or, if its possessor remains, he does not care to expose himself to the assessors' grasp by living in an expensive house or indulging in an outlay which may befit his means. We need not go to political economists to be told that it is capital and labor that gives its value to the land. It is the plain teaching of common sense. I am not speaking too strongly when I say that in the city of St. John and elsewhere, where almost every kind of personal property is made subject to taxation, no large holder of such property can, if the assessors do their duty, be expected to reside within the limits of the place. Two-fifths of any income he could reasonably expect from his investments at the present rates of return would be taken from him. And in St. John the rents of the better classes of dwellings have fallen, and of the best some are vacant and others offered for sale at a quarter of their cost.

I am speaking plainly, and I am making use of St. John as an illustration because it is my birthplace and my home. I am not despondent as to the future of my native city. It has overcome many difficulties in the past, and in many ways it is prospering and gaining strength. But this difficulty still remains to be conquered. It is undeniable that, while our trade is extending, our stores are filled with customers and our factories are busily at work, real estate is almost unsalable. There must be a cause.

It will be seen by the table that, outside New Brunswick, income contributes very little to the municipal purse. In Prince Edward Island, and at Halifax and Dartmouth, it is exempt. Over the rest of Nova Scotia the highest ratio is .06, at Amherst, and the average is only about .02 of the general local taxation.

But, in New Brunswick, while the assessors of Moncton and Woodstock may perhaps be wiser in their generation, we find elsewhere a higher income rate. At St. John it is .15 and at Fredericton .27 of the whole taxation in each place.

I know that it has been urged that

INCOME, IN THE WIDEST SENSE

of the word, should be looked to as the basis of taxation, and that each resident of the community should contribute to the public purse in proportion to his annual receipts, from whatever source derived.

At first sight the claim seems plausible. And it was, no doubt, some such idea which led to the peculiar system of fixing the taxable value of real and personal property at one-fifth, as against income at the face, which still prevails at Fredericton, and which was for 50 years the curse of St. John, until it was discarded in 1882. Why should the resident deriving $500 yearly from real or personal property contribute more to the public charges than he who earns annually $500 by his labor or his skill.

For the purposes of the State each contributes very nearly in the same degree. True, even in the State taxation of incomes, there is usually of necessity an exemption up to a certain amount. But the Customs duties, from which the greater part of the State revenues are derived, fall in Canada almost equally upon all. The contribution of each citizen to the State is regulated by the quantity of taxable commodities he may be able to procure and consume.

But there is a vast difference between State and municipal taxation. The subjects with which local administration has to deal are mainly of an economic character. Water supply, sewerage, fire and police protection are instances of this. While each individual in the community partakes of these advantages, it will scarcely be denied that the recipient of a revenue from real estate benefits in a much greater degree than the man who earns his living by his daily toil.

But for the accumulation of property in the town such changes would not be required. The farmer is satisfied with such access to his house as he can himself provide. He lives without fire protection, because his house is not endangered by others around. He draws water from his own well uncontaminated by the drainage from other premises near. In the matter of police he is his own guardian. There is no accumulation of wealth to tempt the thief against whose depredations the city has to guard. He is thus enabled to live at a comparatively small expense so far as contribution to the public welfare is concerned. But in the city it is different. The interest on the public debt contracted in the endeavor to make property of all kinds safer and more valuable has to be met. The various municipal charges put together would make life unbearable if the income idea in all its fullness was carried out. The wage-earner would toil very largely for the benefit of the property owner. All experience has shown that such a system of municipal taxation is unreasonable and unjust.

I cannot speak of the practical effects at Fredericton of the system there in force, but I well remember what took place when it was the law in St. John. The assessors, men who were supposed to be conscientious in the ordinary vocations of life, put the incomes of the working classes at $140 or $160. —one-half or one-third of what it must cost any family to exist in city life. Even when the ratio of taxation was so high that the greater portion of the taxes levied on such classes of citizens went unpaid, and were reassessed year after year to meet only with a similar fate.

The income exemption up to $300 may lessen the difficulty at Fredericton, but it cannot remove it. Inequalities cannot but prevail. Those receiving fixed salaries will, if the assessors do their duty, be taxed beyond the $300, up to the full amount. Others, whose earnings are unknown, will be passed over, although they may be much better able to pay. The ratepayer taxed on his actual income finds himself paying a share of his neighbor's taxes with his own. He has no remedy. He himself is taxed according to the law. He cannot enter on a crusade against others who are not.

It is the same at St. John, and, perhaps, as there is no $300 or other exemption, the difficulty is even more generally felt. The assessors

CANNOT POSSIBLY DETERMINE THE EXACT INCOMES

of ratepayers, except where there is a salary, or someone is conscientious enough to furnish a statement himself. To fix them correctly would require a range of vision more than mortal. There is no provision for compulsory statements except in the case of the employe or the clerk. There would be a rebellion if there was. Year after year, the lists are printed, and, year after year, it is seen that they are largely farcical, and, while income generally is supposed to be assessed, a considerable proportion of that best able to contribute escapes.

For, in St. John, the artizan and laboring classes are very generally reached by the assessors now, but with what result? Owing to the incidence of a fixed poll tax, such ratepayers are required to contribute amounts very nearly, or quite, equalling a full week's wages, while the larger incomes pay proportionately less. And the consequence is that a large proportion of their taxation is not paid at all. No ratepayer can vote at the civic elections in

April unless his taxes have been paid. And, year after year, of the thousands of electors qualifying on incomes of $300 or other small amounts, two-fifths are disqualified and debarred from voting on this account.

There is another difficulty in connection with income taxation. The large class of civil servants, judges, Customs house and post office officials and others, the employes of the Dominion Government, claim exemption from any such assessment. They enjoy the municipal privileges equally with others. They contribute nothing from their incomes to the common fund.

A singular diversity prevails in the taxation of the fire insurance companies. At Halifax and Charlottetown, license fees are paid. At St. John, the companies are asssesed on their net earnings within the county, which very often means that they transact their business without paying anything at all. At Fredericton, as the application of the 20 per cent. system would have led to a large increase in the rates charged, the companies are taxed only on one-fifth of their incomes, or on the same basis as real and personal estate. Over the greater part of Nova Scotia, where an idea, not unreasonable if it was only generally applied, prevails that special businesses should contribute beyond their ordinary income assessment towards municipal charges, the insurance companies with the banks are singled out and called on to pay on five times their incomes, while others are taken at their face. The result is constant injustice. The assessors guess at the incomes received. The companies grade their rates in proportion, and so well is this understood that in only two or three cases are the increased rates accepted and the law carried out. In half a dozen more such incomes are put at amounts which result in their contributing equally with others. In the majority of instances they are not assessed at all.

If the table is again referred to, it will be seen that about

ONE-THIRD OF THE MUNICIPAL ASSESSMENT

in the Maritime Provinces falls on personal property. Here the ratio is less uneven. In no city or municipality does personal property altogether escape. The ratio ranges from .18, .19 and .20 at Pictou, Sydney, Kentville and Halifax, to .35 at St. John, .38 at Lunenburg, and .40 at Yarmouth.

I have already spoken of the effect of this pressure upon capital in forcing it into concealment or driving it away. In Nova Scotia this is partly obviated by the exemption given to funds invested in Provincial or Municipal debentures. There, too, ships and vessels of every kind are assessed only at half their value. In St. John, all such personal property is supposed to be chargeable at the face, with the result that the assessors fail to discover one-half of the invested funds, and the taxes of those who escape are borne by the owners who are reached and by the real estate. The Probate Court reveals the actual condition of affairs and then the widow and the orphan must be followed, and those who are the least able to contribute are required to pay the most.

Yet, further, when a large vessel is to be built, a joint stock company is formed with its headquarters in some neighboring village. The vessel may be managed at St. John, but, as the company has its office elsewhere, a considerable proportion of taxation is escaped. There is a fine line of steamships connected with the port; a line that does credit to the enterprise of its owners, who are steadily adding to their fleet. Upwards of $1,000,000 have already been thus invested, and soon the amount will reach $2,000,000 or more. But look at one of these vessels and you will fail to realize from what port she hails. You will see, it may be Liverpool, but not St. John, N.B., painted after her name.

It must not be supposed that such difficulties are felt in the Maritime Provinces alone. They exist in the United States as well, and are borne with only because the assessors fail generally to carry out the law, and a small proportion only of the personal property is actually assessed. Dr. Richard T. Ely, one of the highest authorities on municipal taxation, comments on them strongly. He declares that the system leads everywhere to oppression and to fraud.

But there is a still more important consideration in connection with the taxation of personal property. The system is endangering the growth, and even the existence, of the wholesale trade. At Halifax, stocks or merchandise are rated at three-fourths only of their actual value, but, at St. John and elsewhere, they are supposed to be taken at the face. It is hardly too much to say that, if the law was strictly carried out, most of the wholesale establishments within the Maritime Provinces would be closed.

Montreal, and even Toronto, are sharp competitors for this wholesale trade. At Montreal, where the Scottish system of municipal taxation prevails, wholesale stocks escape taxation. The merchant is assessed, but it is on his rental as an occupier, and, in proportion, not to the stock he may have to carry, but to the premises he occupies, which are taken as an index to the extent of the business he transacts. And at Toronto the assessors fail to discover the greater part of the personal estate at all. A few years ago, when Mr. T. W. Anglin's report on municipal taxation was published, the whole valuation of personal property at Toronto was but little more than at St. John, while the population was nearly five times as great.

There is a difference in the way in which various trades are carried on. In some a large stock has to be kept. In others it is the reverse. Samples, to a certain extent at least, suffice, and yet, perhaps, a large business is actually being done.

If the assessment laws, as they exist, are strictly carried into effect, it is plain that

THE WHOLESALE MERCHANT IN ST. JOHN

must be at a disadvantage as regards Halifax, and both when they come into competition with Montreal. The competition is keen, and prices are finely drawn. A few thousand dollars of municipal taxation may make the difference, and send the merchant in the Maritime Provinces to the wall.

Mr. Palgrave, in his work on "The Local Taxation of Great Britain and Ireland," points out what was the effect of a similar system in a part of England where it once prevailed. He says: "The practice of rating stock-in-trade never prevailed in the greater part of England and Wales. It was, with comparatively few exceptions, confined to the old clothing district in the south and west of England. It gained ground just as the stock of the wool staplers and clothiers increased, so as to make it an object with the farmers and other ratepayers, who still constitute a majority in their parishes, to bring so considerable a property within the rate. They succeeded by degrees, and, when the principle of rating stock-in-trade was fully established in this district, the ancient staple trade rapidly declined there, and withdrew itself still more rapidly into the northern clothing districts, where no such burden was ever cast upon the trade."

It must, I think, be admitted that the present system of municipal taxation in the Maritime Provinces has

FEATURES WHICH CALL FOR VERY SERIOUS THOUGHT.

The laws are such that they cannot and will not be enforced. Such laws are in themselves injurious. They blunt the conscience. And, while I believe that many of the assessors are anxious to do right, it is only on the theory of a blunted conscience that the doings of others can be explained.

But it will be no easy task to substitute a better. A considerable proportion of the ratepayers believe that they escape under the present law better than their neighbors. It is easy to work upon the dread of change and to conjure up imaginary evils in connection with any plan that may be proposed. The present system may be bad. It may be felt to be worse as municipal charges increase. But the ratepayer has become accustomed to it, and, while many complain, it is as individuals only, and not in the belief that the system itself is at fault.

The Englishman has become as much accustomed to the plan which casts the municipal burden upon land and house property as the Canadian has to the higher prices which Customs duties entail. The taxes are paid by the owner, or by the occupier in the case of a rented house. He takes it as a matter of course. It would be very different here.

Some modification of the Scottish system might, however, be well worthy of consideration. It is working satisfactorily at Montreal. The real estate would continue to be taxed as now. It need pay nothing more nor less. The taxation now levied upon residents or occupiers—and, it must be remembered, these only can be reached in proportion to the supposed capital value of their personal property or to the incomes they may earn—would be paid by the same persons, but in proportion to the rental paid or estimated for the business premises and the dwellings occupied by each. A comparatively sure basis would be substituted for one that is utterly uncertain. Civil servants and all other classes in the community would be reached. It would be right and proper to exempt the lesser rentals on the same principle that the living expense is deducted where income is assessed, on the principle that the larger share of the municipal charges should be borne by those best able to pay them. To meet such cases, a fixed poll tax might be levied. In view of the actual cost of living, $3 yearly is, perhaps, as much as the ordinary wage-earner, with an income of but $300 or $400, can be fairly expected to pay.

And the taxation could be further distributed, as is done at Montreal, through a system of business licenses, charged for generally whenever the ad-



ABOVE THE FALLS, ST. JOHN.

vantages afforded through the municipal privileges warranted their being required, and not imposed only in some special cases, as is the usual practice now.

And now I must pass from this subject of municipal taxation on which, perhaps, I have dwelt too long. But I hope I have convinced you that the subject is one well worthy of consideration. If the effect of the present system is that the bone and sinew of the country is oppressed; if the person deriving an income from Dominion sources escapes his fair share of the municipal burden; if trade is hampered; if manufacturing is discouraged for want of capital; if the capitalist conceals his wealth; if he fears to embark in the development of industries at home, and even removes to a foreign land; if there is injustice everywhere; then, indeed, it is time that that system was thoroughly weighed, and such changes as may be required pressed upon the notice of those through whom the necessary legislation can be obtained.

REMAINING SUBJECTS.

Other subjects, such as tourist travel, immigration, trade with the West Indies, rates of freight, electric railways, the deve opment of iron and steel industries, the school curriculum, and our copper currency, will be explained to you by the gentlemen who have suggested them for consideration. There is a full bill of fare. I have, I fear, delayed you too long already, and cannot venture to touch upon them now.

WE HAVE A COMMON END IN VIEW,

the development of the Maritime Provinces of Canada in which we have our home. It is not, I think, altogether a selfish one, although we all hope, and we may legitimately hope, to gain as the general interests advance. The boards of trade ask for no financial help outside themselves. If their members give their time to the consideration of public questions, it is done without charge. If they gather information, or even venture to send delegations where personal contact with the central authority may be required, it is at their own expense. The great principle which underlies this Maritime Board is that the Maritime Provinces can prosper only with the growth of each of the parts of which they are composed. I have pointed out some of the advantages we possess. I have ventured to speak of what seem to me to be stumbling blocks in the path of future progress. If I have done so, it is only with the hope that the existence of those hindrances, if such they be, may be considered, and such steps taken that in course of time they may be removed I am no advocate for the mere selfish accumulation of wealth. But, for the progress of the community, capital is an absolute necessity. Of the three great requisites of production we have the land in abundance. It is in many parts of these Provinces a fertile land, and it is a land, too, which teems with mineral wealth. We have our rivers, giving a ready access to the interior. We have commodious harbors on our coasts. If we are to have the labor and the capital through which only our natural resources can be developed, we must encourage them to continue with us, and be very watchful of whatever may tend to drive them away. We must not give way to the feelings that our advantages exist only for those who may now be resident among us. We must endeavor to encourage immigration of the kind we need. We should join hand in hand, not merely in advancing such interests as we may have in common, but in helping each other as occasion may arise.

A GREAT IMPRESSION.

The address created a great impression, and unusually vigorous applause greeted the President as he took his seat.

When the applause had subsided the President again arose, remarking as he did so: "I am afraid I have detained you too long. I presume you do not intend to take up any business to-night."

It was after 10 o'clock, but the members refused to adjourn until they had, in words as well as in applause, expressed their approval of the president's address.

"I would like," remarked Mr. John Ervin, of Bridgetown, "to move a vote of thanks to the president for the very excellent address which he has given us. I am sorry we had not even a larger representation from the various boards of trade in the Province to listen to the address, particularly in regard to the progress of the Maritime Provinces, and I would suggest that means be taken to have the address printed and distributed throughout the Provinces."

Mr. M. G. De Wolfe, Kentville: "I have very much pleasure in seconding the motion. The president must have devoted a great deal of time to the preparation of his address. If the same matter had been gotten up at Ottawa it would have cost the country $3,000 or $4,000. I am sure if it is printed and circulated throughout the Provinces it cannot but fail to create a great deal of enthusiasm. "I am told at home," he added, "that when I start talking it is necessary for someone to give me a cue when to stop."

"Here's a cue," interposed a facetious delegate, as he handed Mr. De Wolfe a blackthorn of Irish production. Everyone laughed, and amid it, Mr. De Wolfe took his seat.

Mr. H. Hazzard, Charlottetown, vice-president of the board, in putting the motion, said he was sure the address had been a source of great pleasure to everyone present.

The motion was carried unanimously, and Mr. Jarvis briefly and fittingly replied.

President J. J. McLaughlin, of the local board of trade, invited the delegates to a sail up the St. John river on Thursday afternoon. The invitation was cordially accepted, and the meeting adjourned.

THURSDAY'S SESSION.

It was 10.30 o'clock when the president opened the meeting on Thursday morning, and as he did so he announced that Mr. D. G. Smith, of Chatham, had kindly consented to assist the secretary in his work.

The President: "The next order of business is the receiving of the reports of committees. I will ask the committee on business, appointed last night, to report."

Mr. J. E. De Wolfe, Halifax: "The secretary has the report, but I might say, on behalf of the committee, that we find, in regard to some of the subjects left over from last year for discussion, that there is no one here to introduce them."

Secretary Allison then read the report on subjects, which was as follows, in order named:

1. Preferential trade within the Empire.
2. The increase in marine insurance rates in connection with Canadian Atlantic ports.
3. Improved telegraphic communication between Prince Edward Island and the mainland.
4. Rates of freight on apples via Halifax, St. John, and United States ports.
5. The construction of a line of railway from Victoria beach to Middleton, to connect with the Nova Scotia Central, and thence via New Germany to Halifax.
6. The construction of an electric railway through the Annapolis Valley, from Digby or Annapolis to Halifax.
7. The lobster industry. What can we do to protect it?
8. Development of Canadian trade with the West Indian Islands.
9. Is the curriculum of our public schools and county academies the best that can be devised to fit our young people properly for industrial and commercial pursuits, and thus promote our national advancement?
10. What can be done to attract desirable classes of immigrants to the Maritime Provinces?
11. Daily mail service between Digby and St. John throughout the year.
12. Municipal taxation in the Maritime Provinces.
13. Better system of packing and branding apples.
14. Tourist travel, and the development of accommodation for summer visitors and the best means of inducing them to visit points of interest.
15. Shorter terms of credit.
16. Statutory conditions for fire insurance policies.
17. Development of iron and steel industry.
18. Improved regulations for passenger and freight on the St. John river.
19. Canadian copyright law.
20. Law affecting weight of goods, canned or in packages.
21. Atlantic mail service on basis of speed.
22. The securing of more careful handling of freight on the St. John and Digby route.
23. Legislative union of the Maritime Provinces.

On motion of Mr. J. E. DeWolfe, the report was received and adopted.

THE NEW OFFICERS.

The report of the committee on nominations for the respective officers of the board was presented and read, as follows:

President—M. G. De Wolfe, Kentville, N.S.

Vice-Presidents—D. J. McLaughlin, St. John, and W. H. Aitkin, Charlottetown.

Secretary-Treasurer—Geo. E. Calkin, Kentville, N.S.

The report, on motion of Mr. John Ervin, was received and adopted.

President Jarvis: "Will Mr. De Wolfe now kindly take the chair. I am glad you have elected as your president a gentleman who has always shown such a live interest in matters appertaining to the Maritime Board of Trade."

President-elect De Wolfe slowly wended his way to the platform. "Gentlemen of the Board," he remarked, as he stood in the presiding officer's place, "I have a request to make, and that is that the retiring president be allowed to preside until the close of this session. He has everything under his thumb, and to allow him to remain will, therefore, facilitate business."

Mr. Jarvis: "With all due deference to Mr. De Wolfe, I do not think that what he has suggested is exactly the proper thing. The subjects for discussion are all here, and it is simply the chairman's duty to call them off in their order. I will, however, take a seat on the platform, if you like."

Mr. De Wolfe accepted both the inevitable and Mr. Jarvis' offer to sit at his elbow, and spoke in part as follows: "You have placed me in a very responsible position. In electing me, you have called upon me to follow an 'old stager,' while I am new at

the duties appertaining to the office. I shall have a great deal to do in order to keep up with the work, and I shall not be able to keep up with it without your assistance. You are really the men to say whether the work of the board shall be carried on. Words can hardly express my feelings. I consider that the honor you have placed upon me is even a greater honor than to be Governor-General of Canada." (Laughter and applause.)

Mr. J. O. Allison wanted, also, to be relieved of his duties as secretary. "Mr. President," he said, "when the new secretary was elected my duties ceased. I would now like to have him called to take my place."

President De Wolfe: "I am in command now, and shall not allow it." (Laughter.) "Mr. Calkin may, however, come upon the platform and assist you."

Mr. Calkin, accordingly, came to the platform.

Then, upon motion of Mr. C. M. Creed, a hearty vote of thanks was tendered retiring Secretary Allison, while, upon motion of Messrs. Hazzard and Carmichael, the usual stipend of $50 was also awarded him. The movers of both these motions warmly eulogized Mr. Allison for the ability with which he had fulfilled his office.

QUESTION OF PERMANENT SECRETARY.

Mr. A. I. Teed, St. Stephen, N.B., ventured the information that at the meeting of the nominating committee the matter of appointing a permanent secretary-treasurer had been considered. "I give notice of motion to that effect," he concluded.

Mr. C. M. Creed: "I have learned from experience that it will not work. The secretary must be where the president is."

When the subject promised to become a matter for discussion the President pointed out that notices of motion could not be discussed.

On motion of Mr. W. M. Jarvis, Messrs. Calkin and Fisher were appointed auditors.

When the morning session opened, Mr. W. S. Fisher appeared with a basket of sweet peas and carnations, which had been kindly sent to the hall by Mrs. Fisher, and soon every delegate was wearing a handsome bouquet of one or other of the two kinds of flowers. When votes of thanks were going around, Mr. Alex. Henderson, of Woodstock, thought it would he a good idea also to move one to Mrs. Fisher for the bouquets, but Mr. Fisher, who thought the vote was for himself, raised his hands before the chairman in protest.

"Oh! you go away," shouted several members. "It is for Mrs. Fisher."

"Oh!" ejaculated Mr. Fisher as he stole away.

Mr. Ervin gave notice of motion to the effect that he would move an amendment to Article 8 of the constitution. This Article dealt with the per capita tax. His object was to make the per capita tax 10c. per member instead of 15c.

Mr. Schofield: "Before we go on with further business, I desire to make some remarks in regard to a motion made last night relating to President Jarvis' address. I think this board should print an annual report. Such a report would be a permanent and interesting record. I would move that when the committee is considering the matter of printing the president's address, that it also consider the question of printing an annual report."

Mr. Hazzard suggested that the constitution and by-laws should also be embodied in an annual report.

Mr. D. G. Smith declared he had much pleasure in seconding Mr. Schofield's resolution.

The President thought the board could scarcely afford to print an annual report.

The motion was adopted.

Mr. Jarvis extended the hospitality of the Union Club to the delegates.

Upon the suggestion of Mr. Jarvis, consideration of the first subject for discussion, "Preferential Trade," was adjourned until Friday, owing to the absence of Mr. Robertson, M.P., who was to introduce it.

MARINE INSURANCE RATES.

The next subject on the order list was the "Discrimination of Marine Insurance Rates against Canadian Atlantic Ports in favor of United States Ports." The subject was introduced by Mr. J. E. De Wolfe, Halifax, who moved the resolution deprecating the fact.

"What I object to," said Mr. De Wolfe, "is the excessive insurance rates charged against Canadian Atlantic ports in favor of United States Atlantic ports and of the St. Lawrence. I think the excess is about 25 per cent. Instead of being charged higher rates, we should be charged less, or, at least, no more."



A VIEW IN THE HARBOR OF ST. JOHN, N.B.

Mr. W. M. Jarvis seconded the resolution, and, in doing so, said there was a very mixed idea in Great Britain in regard to Canada. He was afraid whether this was not the reason why the rates discriminated against the Maritime Provinces. What he would like to know was whether the Maritime Provinces were compelled to share in the losses incurred on risks in other parts of the Dominion? He was rather of opinion that they did. It would be well to try and find out.

Mr. J. E. De Wolfe: "I don't know whether you know it or not, but the loss of

the Labrador on the coast of Great Britain was really charged against Canada.

Mr. Jarvis (continuing): "We shall find it very difficult to get the desired information. Lloyds should have the necessary statistics. Get the statistics showing what the losses have been on the St. Lawrence route, the Maritime Provinces and at United States ports. In this way, the facts will be learned. Then, if it is found that the losses are relatively higher in the Maritime Provinces, let us accept the results."

Mr. S. Schofield said that the mover and seconder of the motion had not shown them the discrimination. "Is it against the hulls or their cargoes?" he asked. He did not believe the underwriters at Lloyds, who were experienced men, would discriminate against any port. "I am of opinion that if we could get at individual underwriters we would find that in advancing our rates they were guided by actual experience." He asked whether at Halifax provision was made against ships putting to sea with excessive deck loads? In Montreal there was. "I regret this check does not exist at the port of St. John, and I do not think it exists at the port of Halifax. It has been stated that this was one of the reasons for the increase of marine insurance rates on steamers running to the Maritime Provinces. It was stated so at Ottawa." Until more facts were advanced he thought it would be unwise to appeal to Lloyds.

Mr. J. M. Carmichael, New Glasgow, who is a steamship owner, did not like the wording of the resolution. It was too arbitrary. He claimed, however, that there was a discrimination against the Maritime Provinces. In his opinion, what the marine underwriters were trying to get at, was the St. Lawrence route, which, he claimed, was more dangerous than that to the Maritime Provinces. "Lloyds have reason for the faith that is in them, but they are ignorant in some respects in regard to Canada. The trouble is that they group the different parts of Canada together. What they should do is to separate the St. Lawrence route from the Maritime Province group. I think we should pass a resolution of some kind in regard to this matter. I am sure our rates are higher from Maritime Province routes than from United States ports. I am not, however, so sure about the rates for the St. Lawrence route. I know this, that in using my steamer I was notified to exclude the St. Lawrence route. It is unfair that we should pay higher rates than vessels sailing from United States Atlantic ports. Vessels sailing from St. John, Halifax and other Atlantic ports are just as sure as those running from ports in the United States."

Mr. S. Schofield said that steamers from Boston and Portland did not carry deck loads. "Ours do," he said, "and this may be the cause of the higher rates. Then, again, there is the question in regard to the class of steamers."

Mr. Cochrane: "I do not think it can be due to the class of steamers, for some of the steamers which run out of United States Atlantic ports are of the very poorest class. Then, as to deck loads, there is no more comfortable or more safe steamer to cross the Atlantic than a steamer with a 10-foot deckload of lumber. I would rather cross the Atlantic on a poor steamer loaded with lumber than on one of the fastest loaded with grain. If there is a master in the room, he will tell you the same thing. In going to Lloyds, you must be able to present a reasonable case, or they will laugh at you."

Mr. W. S. Fisher said he quite agreed with Mr. Cochrane that caution should be used in approaching Lloyds. He said that when in London, England, according to instructions received from the St. John Board of Trade, he had tried hard to get at the bottom of the marine insurance rate question. At Lloyds, they claimed there was no discrimination against Maritime Province routes, or, at least, no intended discrimination. The rates, they said, were based upon the best information obtainable. "But I found," he explained, "that there was a very great difference of opinion in regard to the matter. It seems to me that all that is necessary, in order to convince Lloyds of the legitimate character of our case, is united action on the part of the merchants and vesselowners in the different parts of the Maritime Provinces."

Mr. D.G. Smith, Chatham, N.B.: "Would it not be well for this board to collect statistics showing the losses on the different Canadian-Atlantic routes, I think that at present we have not sufficient information to deal intelligently with the matter." He moved the following resolution:

That the subject of marine insurance be referred to a committee of five, who are requested to prepare a paper to be presented to the British underwriters giving reasons why discrimination should not be made by them against risks in the trade from the Maritime Provinces, such paper to include statistics of casualties happening to vessels running between the Maritime Provinces as distinct from other ports and trans-Atlantic points, as well as other relative information, the paper to be forwarded by the president and secretary of this board to the British underwriters.

Mr. De Wolfe thereupon withdrew his resolution.

Mr. H. Hazzard, Charlottetown, P.E.I., who is in the underwriting business, explained that he had read the resolution passed by Lloyds increasing the rate of insurance, and it was therein stated that the reason for doing so was the excessive deck loads carried, some of these deck loads being 14 ft. He explained that in Prince Edward Island, where they did not ship lumber, the rates were now about 3½ per cent., where they were some years ago as high as 9 per cent.

Mr. Carmichael said that he knew steamers had gone out with excessive deck loads. "I have no doubt the underwriters have grievances, and they always will find some cause for complaint."

Mr. Schofield said that only that day the newspapers reported that a St. John vessel had been fined £50 in London, England, because of an excessive deck load.

Mr. Carmichael: "I happen to know something about that case. The fine was imposed because the vessel was immersed below the Plimsoll line."

Mr. Smith's motion was adopted, and these were appointed a committee to carry out its provisions: W. M. Jarvis, St. John; J. M. Carmichael, New Glasgow; S. Schofield, St. John; J. E. DeWolfe, Halifax; H. H. Hazzard, Charlottetown; H. Dobson, North Sydney.

The convention adjourned at 1 p.m. to meet on the following morning.

FRIDAY'S SESSION.

The convention resumed on Friday morning at 9.35 o'clock, with President De Wolfe in the chair.

A communication was read from the Truro, N.S., Board of Trade, regretting inability to send delegates to the convention of the Maritime Board. "We appointed," read the letter, "eight delegates and eight substitutes, but some unfortunate circumstances have prevented anyone from going. We have not, however, lost interest in the Maritime Board."

The first subject for discussion was

IMPROVED TELEGRAPHIC COMMUNICATION WITH P.E.I.

Mr. H. Hazzard, president of the Charlottetown, P.E.I., Board of Trade, introduced the subject. He said that The Anglo-American Telegraph Co., which had had a monopoly since 1855 and received a subsidy from the Dominion Government of $2,000 per year, did not act square with the public. What he complained about was, that the offices were closed after 8 o'clock at night until 9 o'clock next morning. And not only that, but the rates were excessive. For instance, if he desired to telegraph to Boston, it cost him $1, twice as much as paid by the other Provinces for a similar message. They did not, however, claim that they should have as low a rate as the other Provinces. They would not object, he thought, if they had to pay two-thirds more. What he desired was the cooperation of the Maritime Board.

Hon. Mr. Davis, he explained had taken the matter up, and promised to do all he could in regard to the matter.

Mr. Schofield wanted to know if there

were no provisions in the charter of the company whereby it could be compelled to improve the service ?

Mr. Hazzard said there was, and it was under this clause that he thought steps could be taken in order to get the desired improved service.

Mr. Jarvis : "Does the company publish an annual statement showing what dividends are paid ? I think the Government should expect it to do so."

Mr. Hazzard : "It does not, and the company claims that it does not do so, as it cannot afford to do so. We have this season two steamers weekly from Boston and a great many tourists coming in. These tourists cannot understand how it is that from 8 o'clock at night until 9 o'clock the following morning, the offices are closed."

Mr. Schofield thought it was only to be expected that, with the cable, higher rates would be paid by the people of Prince Edward Island than paid by the other Provinces. "At the same time they have an unquestionable right to have the office open until 12 o'clock." He moved that the matter be referred to a committee of three, said committee to be appointed by the president.

Mr. F. L. Potts seconded the resolution, which was carried, and the president named the following as a committee to deal with the matter : Messrs. H. Hazzard, J. E. De Wolfe, and S. Schofield.

RATES OF FREIGHT ON APPLES VIA HALIFAX, ST. JOHN AND UNITED STATES PORTS.

The subject was introduced by Mr. P. Innes, Cold Brook, King's Co., N.S. He said the question was a double-barreled one, as it dealt (1) with the railway, (2) with the steamship subsidy.

In speaking on this subject, and I do so as Vice-President of the Nova Scotia Fruit Growers Association ; I would like first to draw your attention to the great development of the apple business in the western counties of Nova Scotia, especially in Kings and Annapolis counties. It has grown in the last quarter of a century from small beginnings until it has become one of the great staple industries of the Province. The product of a favorable year is now half a million barrels, and with large areas of young orchards coming continuously into bearing, the time is not distant when this product will have doubled. In fact, what the wheat crop is to Manitoba and the Northwest the apple crop is to Nova Scotia. The industry is therefore not merely of local, but of Provincial importance, and accordingly the profitable marketing of the crop is of great moment, primarily to the producer and shipper and incidentally to the country at large.

Now, gentlemen, please consider in the first place the conditions—the physical and geographical conditions—with which we have to deal. The great fruit belt of Nova Scotia lies within an average distance of 80 or 90 miles from the Atlantic seaboard at Halifax. The port of Halifax is accessible all the year around, is nearer, speaking roundly, by some 500 miles to our market in Great Britain than the ports of Portland, Boston and New York.

The railway which traverses the fruit belt, and has a monopoly of the business, is one of the most heavily subsidized and highly favored in the Dominion, and the steamships plying between Halifax and Great Britain are also in receipt of a Government subsidy. Under these exceptionally favorable circumstances, you would imagine, and you would be justified in imagining, that we should be able to market our apples on better terms, or at the very least, on equal terms with our competitors in Canada and the United States.

How stands the fact? I can answer in a sentence: Canadian apples are carried over 600 miles by rail and 300 miles farther by sea at a through rate of 83.47c. (3s. 6d.) per barrel, while Nova Scotian apples are carried an average of 85 miles by rail and 300 miles less by sea at a through rate of 90c. (3s. 9d.) per barrel, and this is not all. The Canadian and American barrel is about one-tenth larger than the Nova Scotian barrel, so that in reality the comparison is 83.47c. as against 99c. per barrel. This is equivalent to a discrimination of 15½c. per barrel against the Nova Scotian shipper, notwithstanding that he is 800 miles nearer the market. In other words, in placing 300,000 barrels of apples, last year's crop, on the English market, Nova Scotian shippers were at a disadvantage in respect to transportation charges to the extent of some $40,000 as compared with their Canadian and American competitors.

RAILWAY CHARGES.

I have stated that this great apple industry has grown and developed in the last 25 years, but the Dominion Atlantic railway has failed to recognize the altered circumstances, and their apple tariff of to-day is, with some trifling modification, the apple tariff which was in force 25 years ago, when the crop was insignificant, but little of it moved by rail, prices ruled high, and apples were considered an expensive luxury. To illustrate: Apples are carried in trainloads at no expense to the company for loading or unloading at a rate of at least 2½c. per ton per mile. A trainload of 2,500 barrels carried 83 miles would be charged $387.50, while a trainload of ore of equal weight would be carried 85 miles for $160. Again, a carload of apples worth $150, more or less, would be charged $27.50 if carried 100 miles, but a carload of flour worth, say, $450, the product of another Province, would only be charged $21 for the same distance.

It is a well-known and fundamental principle in railway practice that the determining factors of a tariff are the volume and the value of the commodity carried. The more valuable the commodity, the higher the rate ; the larger the volume carried, the lower the rate. Apply these principles to the D.A.R. tariff in the matter of apples and flour. A barrel of flour is double the value of a barrel of apples, and the volume of the former that is carried on the D.A.R. is almost infinitesimal as compared with the latter. Therefore, on both grounds, the apple rate should be very much lower than the flour rate. True, the railway company contend that their rates on apples compare favorably with those charged on other railways. I think I have shown by the through rates charged as far West as Toronto that this is not the case ; but, further, there are only a few districts in this great Dominion where the soil and climatic conditions are favorable to the growing of apples. In the Cornwallis and Annapolis Valleys we have one of the best districts. There the apple crop has become the great staple industry, numbering hundreds of thousands of barrels, that have to be transported by trainloads. Yet, all this volume of business is classified, and charged as high rates as in those sections of the country where apples are not grown, and are considered a luxury.

The apple crop of our district should receive as fair treatment as the grain-producing sections, or the coal, iron, and lumbering industries of the country. Secure in its monopoly, no redress can be obtained or expected from the railway company. It is, therefore, submitted that the proper and effectual remedy, not merely in our case, but as applicable to the whole question of transportation in the Dominion, lies in the appointment of a permanent commission, with powers and authority somewhat similar to those of the English Railway Commission, or the United States Interstate Commerce Commission, which would fix reasonable rates and grant just redress on the application of individuals or localities having ground for complaint.

Accordingly, the interest and aid of the Maritime Board of Trade is earnestly solicited towards the appointment of such a commission at an early date.

STEAMSHIP CHARGES.

The excessive charges on the railway are only a part of the grievances of which we have to complain. The rates charged on the steamers from Halifax are equally excessive. Notwithstanding that the steamers are in receipt of a Government subsidy, while those from the Atlantic ports—Portland, Boston, and New York—are not so favored, the rate from Halifax has remained steady for some years past at 3s. per barrel, while the rate from the other ports last season was as low as 1s. 6d. and 5 per cent. primage, and was never higher than 2s. 3d. and 2s. 6d. per barrel. Further, the amalgamation of two lines formerly running from Halifax has deprived us of competition, and the granting of rebates to middlemen enables them, when so minded, to secure the entire steamer's space, and forces the producer into the middleman's hands, if he is to get his apples to market at all. Consequently, several producers have had to send their apples either by schooner, or via Yarmouth to Boston and thence to London. In fact, a saving in the rate could be effected by shipping from Middleton and stations west via Yarmouth, some 300 miles to Boston, and thence by the Johnston line of steamers to London.

The steamers' charge for deals varies from 33s. to 45s. a standard, according to dimensions, but the charge for 28 barrels of apples, which would occupy the same space, is no less than 84s., which would appear to be an extreme discrimination.

We are of the opinion that competition would be induced and our position improved if the subsidies were withdrawn from these steamers altogether, and the Kings County Board of Trade, the Kentville Board of Trade, and the Municipal Council of Kings have asked the Government accordingly, and until such time as the subsidies are abolished, that the Government exercise supervision and control over the rates charged so that they shall not exceed the corresponding rates from competing Atlantic ports, and, further, that the Government appoint inspectors to superintend the loading of steamers, and see as to their ventilation and general suitability for carrying the freight offering.

Mr. Innes read the following resolution :

Resolved, that the Maritime Board of Trade ask the Dominion Government to appoint a permanent railway commission with powers and authority somewhat similar to those of the English Railway Commission or the United States Interstate Commerce Commission, which would fix reasonable rates and grant just redress on the application of individuals or localities having grounds of complaint.

Mr. John Ervin seconded the motion, and, in doing so, said they insisted that the great apple industry must not be handicapped by adverse freight rates. "In addition to the high freight the farmer has to pay, there is another item of cost which has not been referred to at this meeting. A great many of these apples are shipped in the winter time, and, as we have no frostproof cars, the farmers have to put charcoal fires in the cars and also send men to attend to them. This means an additional cost of 5 or 6c. per barrel."

Mr. Schofield said that the Dominion Atlantic railway should not be dealt with too harshly in the matter. It was a struggling line and should be encouraged.

Mr. Innes : "I do not think there is much difference between Mr. Schofield and myself in regard to this question. The apple-growers claim that their rates are excessive ; the railway claims that they are not. Now, what we want is a neutral board, who shall determine whether they are or not. I might say that the Dominion Atlantic railway is in favor of the appointment of a commission, Mr. Griffin, the secretary of the road, having seconded a resolution to that effect adopted by the Halifax Board of Trade."

Mr. D. J. McLaughlin, St. John, thought the question was one which the Maritime Board of Trade should take no action in, and, at any rate, without representatives of the railways being present, so that their side of the case might be stated.

Mr. J. E. DeWolfe did not agree with the previous speaker, and corroborated what Mr. Innes had stated regarding the action of the superintendent of the Dominion Atlantic railway in supporting the Halifax motion.

Mr. T. H. Estabrooks said that as far as he understood the resolution, the question at issue was not a Provincial one, but a Dominion one, as it called for a railway commission to regulate all the railways in Canada. However, as far as he was concerned, he hardly knew which side he was on in regard to the matter.

Mr. F. E. Cox said he would like to see the motion passed, as he believed it would be to the advantage of the Maritime Provinces were a railway commission appointed.

After some further discussion, Mr. Innes' motion was carried by 14 to 5.

THE QUESTION OF SUBSIDIES.

Mr. P. Innes then introduced his resolution on railway subsidies, which read as follows :

Whereas, the subsidizing by the Dominion Government of the Furness Line of steamers has created a monopoly and has led to the charging of excessive rates of freight on apples to Great Britain from the ports of Halifax and St. John; and

Whereas, it may be inexpedient in the meantime to discontinue such subsidies;

Therefore, resolved that this Board ask the Government to exercise supervision and control over the rates charged by subsidized steamers, so that at no time they shall exceed corresponding rates from competing Atlantic, Portland, Boston and New York ports, and further, that the Government appoint inspectors to superintend the loading of apples in such steamers and see as to their ventilation and general suitability for carrying the freight offering.

Mr. F. E. Cox seconded the motion.

The motion proved to be an exceedingly lively subject for debate, the liveliest and most prolonged of the convention.

Mr. J. E. De Wolfe said it was a question purely of supply and demand. "While we have such a small amount of business in Canada as we have, we cannot expect as low a rate of freight as the shippers from United States ports," he said, "and, if the subsidies were taken off, we would not have as low rates as we have to-day." He said that the grievance was more imaginary than real, and declared that the present rail and boat rate of 90s. did not net the steamer over 2s. 6d.

Mr. T. C. L. Ketchum, Woodstock, N.B., declared himself in favor of the Government supervision of railway rates. "When," he said, "we, five years ago, came down here to the meeting of the Maritime Board of Trade, the C.P.R. had an arbitrary rate of 25c. per 100 lb. on freight from McAdam Junction to Woodstock. The matter was brought before the board then. Shortly after this, whether through the influence of the board he could not say, the rate was reduced to 12½c., at which figure it still stood.

Mr. D. G. Smith, Chatham, N.B., thought it was a matter that should be relegated to the Halifax Board for consideration.

Mr. J. M. Carmichael : "I sympathize with the fruit growers, but I cannot support a resolution half as strong as that now before us. Not because I think they have no grievance, or that the steamship people are perfect. I know they are not. We steamshipmen take all we can get, just as people in other lines of business do. One very good reason, however, that the rates are excessive is that the steamship owners will take all the apples they can get in preference to other freight. I trust that the efforts of Mr. Innes and his friends to get better rates will be successful, but I am afraid that, until the Canadian trade is large enough to warrant the putting of larger boats on Canadian routes, the shippers of this country will have to pay higher rates from their own ports than are paid on freight from Boston and Portland."

In reply to a question, Mr. Carmichael said : "I am opposed to the granting of subsidies for the carrying of freight. The subsidized line drives the unsubsidized line out of competition." (Hear, hear.) "For instance, a subsidized line going to St. John is determined that it will get a full cargo, and to get it will underbid my steamer. The result is that I am driven out of the port. I again say I am against subsidies for carrying freight; for the carrying of passengers it may be all right."

Mr. W. S. Fisher : "I believe the people of St. John sympathize with the Dominion Government in its desire to see the time when subsidies can be wiped out, but at present it seems impossible to divert the shipping trade from United States ports without the aid of subsidies."

Mr. Carmichael : "Let me explain my position. I would not vote for the abolition of subsidies at present."

Mr. Estabrooks : "If the resolution was divided I think there is a portion of it that should be supported, and that is that part which deals with the supervision of the shipping of perishable cargoes. To be able to guarantee the arrival of our apples on the other side of the Atlantic in good order would be worth a geat many dollars.

Mr. Innes explained that the terms of the contract with the Furness Line provided for the inspection of the fruit and the supervision of the rates, but they were not being put in force, and "this resolution," he added, "is simply to jog the memory of the Government."

M. J. E. DeWolfe : "Then, why come here and take up the time of the Maritime Board ?"

Mr. Innes : "Simply because the clause is a dead letter."

Mr. Schofield, who is agent at St. John for the Furness Line said that there were grounds under which the subsidies could be justified. "As far as our line is concerned, we do not like subsidies, but present circumstances demanded that they should be given. I remember this port for 36 years, and remember when a number of steamship lines ran here, and they brought and carried away good cargoes. Then came the 'National Policy,' which laid down the principle that goods consumed in this country should, as far as possible, be manufactured in this country. This policy has been successful, but the result has been to reduce the volume of freight, which the steamers running here depended upon, by fully one-fourth. The result was a great reduction in rates, and the consequence was that steamships were driven away. Then came an agitation for subsidies, and this agitation increased with the desire for a development of the trade between Canada and Great Britain. This agitation is still going on. The proof of the need of a subsidy was the limited character of our trade."

He explained that the reason the Furness Line bought out a certain competing line was the knowledge that there was not enough business for the two concerns. "No line," he said, "would be more pleased than the Furness Line if it were possible to do away with subsidies ; but it is not possible." He read the clause from the contract between the Dominion Government and the Furness Line in which it was laid down that the steamship company could not charge a higher freight rate on Western goods for export than was charged by United States lines. The Government, he also showed, had the power to fix the maximum rates.

"Last year," he continued, "27,000 barrels of apples were shipped through St. John, but as far as I am aware there was not one complaint as to rates of freight, neither specific or general." Then he read letters claiming that the Furness company was charging the same rate on apples from both St. John and Halifax.

Mr. Innes : "Can you explain to me why it is that from Boston apples can be shipped for 2s., while from Halifax the rate is 3s?"

Mr. Schofield : "Because they have a larger port and there is a larger quantity of freight to ship. Rates fluctuate according to the quantity of freight to be carried. Why, I have known steamers to refuse to take apples from Montreal even at a 3s. 6d. rate. Now, of the 90c., rail and boat rate, the steamer apparently gets 70c., but she does not in reality. There is a class of middlemen, and they, like the railways and the steamers, try to get all they can out of it. And I am sure there are middlemen who make more money out of the apple export trade than the producers do. It is the middlemen in Nova Scotia who are really to blame for these high rates. These men have the steamshipmen by the throat, and demand a rebate of 10 to 15c. per barrel as their share of the proceeds.

Mr. Innes : "Go on ! That is news and we were never able to learn before what the middlemen got."

Mr. Schofield, continuing : "If the Maritime Board is going to deal with the matter it should deal with the real culprits, namely, the middlemen. Do not blame the steamshipmen who are forced to do what they do."

A delegate : "Would the Furness Line give the rebate to the farmers who grow the apples ?"

Mr. Schofield: "We would gladly do so. And that is what we shall have to do."

Mr. Innes: "Who created the middlemen?"

Mr. Schofield: "I cannot say."

Mr. Innes: "Well I can. It was the Furness Line." (Laughter.)

Continuing, Mr. Schofield claimed that the Furness Line was not discriminating in its rates, and produced the following table in support of his contention, the figures in which he declared were correct to a cent:

BATTLE LINE STEAMERS.
Loaded at St. John, N.B., during Summer Season, 1899.

Steamers.	Tonnage.	Standards.	Rate.	Freight.	Per Ton Register.	Furness Line. Per Ton Register.	Furness Line. Freight.	Difference.
Cheronea	2,059	1,668	45/-	£3,753	36/5	18/8	£1,922	£1,831
Platea	2,043	1,674	52/6	3,557	34/9	18/8	1,907	1,650
Cunaxa	2,045	1,598	40/-	3,196	31/3	18/8	1,909	1,287
Leuctra	1,949	1,576	43/-	3,388	34/9	18/8	1,819	1,569
4 Steamers—totals	8,096	6,516	.....	£13,894	.. ..	.....	£7,557	£6,337
4 Steamers—average	2,024	1,629	42/7	£3,473	34 4	18/8	£1,889	£1,584

Battle Line—Average freight rate ..... £1 14s. 4d. per ton register.
Furness Line— " " ..... 18s. 4d. " "
Difference ..... £0 15s. 8d. per ton register.

Battle Line steamers 84 per cent. more than Furness Line steamers.

FURNESS LINE STEAMERS.
Freight—St. John and Halifax to London.

April to August, inclusive—Average freight rate ..... £0 18s. 8d. per ton register.
September to March " " " ..... 1 6s. 8d. " "
January to December " " " ..... 1 3s. 6d. " "

Apple shipping season, September to March.

The President announced that he had received a telegram from Ottawa in reply to one sent the previous evening as to whether the contract for carrying the mails had yet been granted. It was signed by Deputy Minister Parmelee, and read as follows:

"Am not yet in position to give information asked for in your telegram of yesterday."

Resuming the discussion on Mr. Innes' motion, Mr. McLaughlin said he would be compelled to vote against it, because the matter (1) was not within the purview of the Maritime Board, (2) it was against subsidies, and because (3), in asking for the appointment of inspectors, it was asking for what was already provided. The people of St. John were only in favor of subsidies, however, as an expediency, and were hoping for the time when subsidies would not be necessary. The people of St. John had already spent $700,000 on improving the Harbor.

Further discussion was deferred until the afternoon session, and the session adjourned till 2 o'clock.

The convention resumed at 2.40 p.m.

Mr. C. L. Dodge resumed the discussion on Mr. Innes' motion re freight discrimination. He said the position of the shipper in the Annapolis Valley was a very unfortunate one. The Furness Line is very heavily subsidized, and to this subsidy the farmers of the Annapolis Valley were very heavy contributors. He was surprised that the agent of the Furness Line should admit that 15 or 20 middlemen were able to take his company by the throat. "We do not," he said, "object to the subsidy on steamers running to St. John and Halifax, but we do object to the heavy tax which these subsidized lines place upon the farmers of the Annapolis Valley." He said that 400,000 barrels would be moved in the Valley this season. Referring to the supervision of the loading of the steamers, he said that often, rather than trust to the longshoremen, he had taken off his coat and unloaded his car of apples. He held, therefore, that supervision was necessary.

Mr. Jarvis said that he would regret to see the question shelved, as it would be in the event of Mr. Innes' motion being defeated. He therefore moved this resolution:

Resolved, that the resolution already passed be referred to a committee to carry the same into effect, and that such committee be further requested to take into consideration the resolution now proposed, and to take such steps as may lead to the arrangement of fair and equitable rates of freights and proper provisions for the handling of apples by any subsidized steamship line.

Mr. Jarvis explained that the first resolution referred to in his motion was that relating to the railway commission.

Mr. John Ervin seconded the motion.

Mr. J. E. DeWolf said there was some truth in what had been said in regard to the middlemen, but he contended that a great deal that had been said was not true. There had been too much exaggeration. Some of the middlemen were forced to give back to the shippers a part of the rebate they got. The middleman, he claimed, was a necessity, and he showed how in getting cargoes he was such. In regard to excessive rates, he asserted that they were often more imaginary than real, as the fact was that apples required the best location on the ship.

Mr. Innes: "I am here, not as a member of your board, but on invitation, as representative of the Fruit Growers Association of Nova Scotia. There is a grievance, but, as the matter is in your hands, it is for you to say which is the best way to deal with it."

Mr. Schofield ventured the information that already efforts were being made to bring about a conference of shippers and of steamboat owners.

Mr. Smith moved that in the event of the committee not being able to arrive at a unanimous agreement in regard to Mr. Innes' motion re discontinuation of freight rates, that it report back to the Maritime Board at its next annual meeting. Mr. Jarvis seconded.

Mr. Dodge: "If the Maritime Board is not prepared to give us any consideration I would rather see the resolution defeated."

Mr. Innes similarly expressed himself.

Mr. Robertson, M.P.P., wanted to know if every means had been made by the shippers to have the difficulty remedied.

Mr. Innes: "Yes; we have tried for years to get the railways to provide remedies, but have failed."

Mr. Schofield: "I am in receipt of a letter from the Halifax office, in which it is stated that it is the intention of the company to do away with the middlemen. To have only an ocean rate and to have the farmers pay their own railway freight rates direct."

Both Mr. Jarvis and Mr. Smith's motions were carried, and the following were appointed a committee to consider Mr. Innes' two resolutions: C. L. Dodge (chairman), D. J. McLaughlin, S. Schofield, W. S. Fisher, R. S. Eaton, Fred. E. Cox, S. C. Parker, and three representatives from Halifax, to be named by the board of that city.

THE LOBSTER INDUSTRY.

In opening the subject of the lobster industry, Mr. W. S. Loggie said that if the condition of the lobster industry continued in the future as in the past it would ultimately be destroyed. "One way suggested to remedy the evil is to limit the size of the lobster to be caught. But the trouble with that is that it is not practicable to carry on the canning industry if the size is limited. To my mind the first thing which ought to be done is to grant no extensions. As you know, the commission appointed last year reported against granting extensions. I would further recommend that the seasons be shortened by five days each year for a certain number of years."

He explained that the average catch of lobsters per boat was 60 to 70 a few years ago. To-day it is only about 30 to 40.

In closing, he read the following resolution :

Whereas, a very large amount of capital is invested in the lobster-packing industry which cannot be withdrawn therefrom without serious loss to the investors thereof, and

Whereas, the record of declining catches and total extinction of the industry in localities where it formerly flourished leads to the conviction that the present regulations, as to length of open season and size of lobsters which may be legally taken, are calculated to destroy the industry in the Maritime Provinces, and

Whereas, it is an established fact that, if a legal size of nine inches and larger only were permitted or made as it is on the New England coast in order to save the industry from extinction, it would be impossible to carry on the industry, and

Whereas, the extension granted the past season in the Straits of Northumberland was prejudicial to and destructive of the interests, as well as inequitable, inasmuch as it was practically a discrimination against other localities on the coast and in harbors where lobsters come in sometimes more plentiful towards the middle of July.

Therefore, resolved—That in the opinion of this board : (1) That no extension beyond the regular season fixed by the regulations should be granted under any circumstances in any locality. (2) That the season for packing for next year be five days shorter all round our coast line than in 1898 ; that in 1901, ten days shorter than said season, and that this policy of shortening the season be continued each year until it is found that the existence of lobsters on our coasts as a paying national product is no longer imperilled. (3) That fishermen taking lobsters with spawn on out of traps be compelled under penalty to return them immediately to the sea, and that packers be placed under obligation as far as practicable that fishermen under their control carry out a regulation to this effect. (4) That no lobsters be taken by "curlies," as only small ones are so taken, as a rule. (5) That the fishing for canning be prohibited altogether in the rivers and bays in the month of July, when the lobsters resort thereto for the purpose of spawning or casting their shells.

Mr. D. G. Smith seconded the resolution.

Mr. Robertson, M.P.P.: "There is a shadow of doubt in my mind. It is not by any means clear to me as to whether it is desirable to have a uniform season. I thought that at a former meeting of this board that a good case was made out against uniformity of the season."

Mr. Loggie, in reply to a question, stated that, up to a certain geographical point in Nova Scotia, fishing stopped on July 15, and up to another on July 1. In his opinion there should be no fishing at all in July.

Mr. A. I. Teed thought the board should have more specific information before passing upon the question.

Mr. Murchie thought that something should be done to save the industry.

The motion carried.

RAILWAY FROM VICTORIA BEACH TO MIDDLETON, N.S.

This subject was introduced by Mr. John Ervin, of Bridgetown, N.S. He said that capitalists were ready to build the road provided they could get the Government to lend the usual aid. The road was a necessity, as a great many people were now greatly inconvenienced in getting their produce to market. The country through which the line would run was rich. The proposed line is north of the Dominion Atlantic Railway, and the terminus, Victoria Beach, is on the Digby basin. Mr. Ervin read the following :

Whereas, having considered the memorial of the Bridgetown Board of Trade, re proposal to build a line of railway from Victoria Beach to Middleton. And, whereas, such railway will open a thickly settled and fertile section of Western Nova Scotia, which is now without any railway facilities. And, whereas, such railway will also afford a convenient and short route of transportation to a shipping port for the large fruit production of the county of Annapolis. And, whereas, such line of railway will come in connection with other lines of railways now built or in course of building, thereby giving a through line from the Annapolis Valley to the city of Halifax.

Therefore, resolved, that this Board approve of the construction of such line of railway, and consider it is deserving of such Government aid and encouragement as is usually given to railways intended to serve the public interests.

Mr. F. E. Cox, Middleton, seconded the resolution, and in doing so, explained that he did so on his own responsibility and not as a representative of the Middleton Board.

Messrs. Schofield and Hathaway supported the resolution, which was carried.

THE WEIGHT OF CANNED GOODS.

Mr. W. F. Hathaway, of St. John, introduced the following resolution :

Whereas, the want of uniformity in the weights of canned fruits, provisions, etc., is unfair to the consumer and is also hurtful to the true interests of trade.

Therefore—Resolved, that in the opinion of this Maritime Board of Trade all canned meats, vegetables, fruits, fish, packets of tea, tins of lard should show in plain lettering the weight of contents.

That penalties should be imposed upon all packers and canners who do not stamp their goods, and also that penalties should be imposed on all dealers and traders who expose such unstamped goods for sale.

And further resolved, that the secretary, before February 1 of next year, forward copies of this resolution to the Minister of Trade and Commerce, and also to the several Dominion representatives from Prince Edward Island, Nova Scotia and New Brunswick.

In speaking to the resolution, Mr. Hathaway, wholesale grocer, said there was sometimes a difference of 3 to 5 oz. in the different packs of canned goods, particularly fruits. The weight of canned goods was, as a rule, correct. The question was whether the wholesale houses are to continue selling light-weight goods. For his part, he did not propose to do so if he could help it. The wholesale grocer was not responsible for the short weights. It was the dishonest packer.

Mr. Alex. Henderson, of Woodstock, N.B., seconded the resolution, and, in doing so, said that his company was already putting the weight on their packages of canned goods. He further stated that his factory had this year shipped 40 tons of canned raspberries to England, and it had orders for all the gallon apples it could put up.

The motion was carried unanimously.

Fred. E. Cox introduced the subject of a daily mail service across the Bay of Fundy. He moved as follows :

Resolved, that in the opinion of this board the D. A. Railway steamboat service between St. John and Digby is of such importance to the business interests of the large territory interested as to call for a daily service the year round.

It was discussed at some length, and finally, in view of a recent discussion between Mr. Gifkins and the St. John board relative to the matter, it was withdrawn.

The present subsidy is $12,500 per year. There is now a daily service four or five months during the year, a tri-weekly for about two months, and four trips per week during the winter months.

The convention adjourned at 5 p. m.

The board convened at 8.30 p.m. with President De Wolfe in the chair. The attendance was better than in the afternoon.

TOP WHARFAGE AT DIGBY.

The first order of business was the consideration of a memorial signed by W. W. Ogilvie and a number of Ontario and Annapolis Valley millers in regard to top wharfage for goods lying on the Government wharf at Digby.

The President : What shall we do with it ?

Mr. Conrad moved that the board concur in the memorial. Mr. Cox seconded.

Mr. Carmichael said that before he voted upon the question he wanted information.

Mr. McLaughlin read a clause from the memorial which he considered would give the desired information. The clause read : "In March, 1897, the Government agreed to exempt this traffic from top wharfage at Digby pier by refunding in full the amount collected. With this understanding rates were arranged and continued up to the present, whereby it was possible to meet the competition of the American railways and have this traffic diverted through Digby. The result has been, since the Government so wisely came to this conclusion, that up to December 31, 1898, equal to 62,020 barrels, and from January 1 to June 30, 1899, 22,464 barrels, or a grand total of 84,484 barrels, were diverted to this all-Canadian route."

The motion was then carried.

A communication was read from Mr. Murray Hentis, of the Sussex board, desiring the board to thank the St. John board for the entertainment of the previous day.

A PROPOSED ELECTRIC ROAD.

Mr. W. V. Brown, of Berwick, introduced the following resolution :

Whereas, the need of a second and competing transportation railway line between Halifax and St. John, through Western Nova Scotia, is generally recognized.

And, whereas, certain London and Berlin capitalists have intimated their willingness to construct an electric railway from Halifax to Annapolis or Digby, provided certain concessions are offered.

Therefore, resolved, that in the opinion of this Board every encouragement should be given towards the furtherance of this enterprise by our Government, boards of trade, municipal and town councils and newspapers.

Mr. John Ervin, in seconding the resolution, explained that the Berwick board had received a communication from capitalists in London and Berlin in regard to the possibility of building an electric railway in the Annapolis Valley. Their communication had been replied to. Since then the capitalists had been again heard from, in which they said they were prepared to build a road provided certain concessions were made. What these concessions were they had not stated.

Both Mr. Robertson, M.P.P., and Mr. Jarvis thought that it would not be advisable to adopt the resolution.

Mr. Brown said he had statistics to submit. "We were not the movers in this

matter ; we were approached," he said. With the consent of the seconder, he withdrew his resolution.

THE PACKING OF APPLES.

Mr. Jarvis, at the request of the Berwick Board of Trade, introduced the following resolution :

That some steps be taken to secure better regulations regarding the packing and branding of apples, and that a copy of this resolution be sent to the Departments of Inland Revenue and of Agriculture at Ottawa.

In introducing the resolution, Mr. Jarvis said that everyone who consumed apples realized the necessity of some such law as that suggested.

Mr. J. E. De Wolfe, in seconding the resolution, said that regulations were necessary which would make dishonest packing criminal.

Mr. P. Innes explained that, at the last session of Parliament, a bill had been introduced, at the instigation of Prof. Robertson, having for its object the packing and branding of apples. When the bill was being considered representatives of the Fruit Growers Associations of Ontario and Nova Scotia were consulted, but the representatives of the two associations had been unable to agree as to the defining of standards. Ontario, for instance, contended for size, as indicative of No. 1 A, while Nova Scotia, whose small apples were among its best, would not agree. The bill would be taken up again next session and would probably become law.

The resolution was adopted.

TOURIST TRAVEL.

The following resolution was introduced by Mr. J. D. McKenna :

Whereas, tourist travel is fast assuming considerable proportions in the Maritime Provinces,

And whereas, it has been demonstrated that such travel has proved of great benefit to such Provinces,

Therefore, resolved—That this meeting views with favor the earnest efforts of the many towns of these Provinces to encourage the coming of tourists, and would impress on delegates the importance of the construction of summer hotels, and the more general advertising of the natural beauties and advantages of Nova Scotia, New Brunswick and Prince Edward Island from a tourist's standpoint, and that special attention should be directed to the encouragement of this class of travel from Quebec and Ontario.

In speaking to his resolution, Mr. McKenna cited instances of the benefit the Maritime Provinces had received from tourist travel. The matter was, therefore, most important.

Mr. J. E. De Wolfe seconded the resolution. He complained that 99 per cent. of the tourists who visited the Maritime Provinces were not from Ontario and Quebec, but from the United States. In looking over the papers he seldom saw reference to tourists from Ontario and Quebec.

Mr. Hazzard mentioned that when recently in a hotel in Prince Edward Island, he was surprised to see about 60 Toronto people. "It was like a colony of Torontonians," he concluded.

Mr. Conrad stated that he was recently in Cape Breton, and he saw a number of Toronto people there with their families.

After further discussion, the resolution was adopted unanimously.

SUBJECTS FOR DISCUSSION.

Mr. D. J. McLaughlin gave notice of the following notice of motion :

No questions for discussion by this Maritime Board shall be considered by the Board unless notice of at least one month shall be sent to the secretary, to be forwarded by him to each affiliated Board of the intention to introduce such subject for discussion at the annual meeting of the Maritime Board.

Mr. Geo. Robertson, M.P.P., moved the following resolution :

Whereas, since the last meeting of this Board, statutory conditions for fire insurance policies have been established in Nova Scotia,

Resolved, that committees be appointed to confer with the fire insurance companies to secure similar legislation in New Brunswick and Prince Edward Island.

The motion was seconded by Mr. D. G. Smith and carried.

A complaint having been made in regard to careless handling of freight between St. John and Digby, Mr. D. G. Smith moved that the matter be left with the local boards to deal with.

The motion was seconded by Mr. Ervin and carried.

The secretary presented an interim report showing a balance on hand of $94.25.

On motion of Mr. Smith, the secretary was instructed to communicate with local boards of trade which had not yet paid their per capita tax.

KENTVILLE NEXT PLACE OF MEETING.

It was decided, on motion of Mr. Geo. Robertson, to hold the next annual meeting at Kentville, N.S.

Then came votes of thanks to the St. John Board of Trade, to the press, to the president, to Mr. Allison, and, after a motion closing the convention was adopted, all joined hands and lustily sang "Auld Lang Syne." By this time it was nearly 11 o'clock.

A DOUBLE FEAST.

It was not all work that demanded the attention of the delegates to the convention, for, on Thursday afternoon, they were entertained by the local board to a sail and banquet on the St. John river.

The steamer, the Victoria, left Indiantown at 3.30 p.m., and carried the excursionists about 35 miles up the river.

Just as as the return journey was commenced, the guests, about 150, sat down to a banquet in the spacious dining-room situated on the main deck of the steamer.

After the banquet, the toast list was taken up in the saloon of the steamer, and speeches were delivered by United States Consul Myers, Mr. George Robertson, M.P.P., President De Wolfe, Mr. H. Hazzard, Mr. J. E. De Wolfe, J. M. Carmichael, and others. Those of the speakers from outside points deservedly praised the St. John board for the excellent arrangements made for their entertainment, and over the scenery of the St. John river they waxed eloquent. Mr. Hazzard declared that, in some respects, it equalled, if not surpassed, the Rhine, although, of course, it had not the rugged and strikingly handsome castles to be found on that river.

It was only natural that the speakers should have waxed eloquent over the scenery on the river. On either bank of the river, with their bases gradually sloping towards the river, towers a continuous range of mountains hundreds of feet high, and capped with dark green trees and decorated with pasture lands of bright green.

It was nearly 11 p. m. when the steamer was again moored to her wharf.

CONVENTION NOTES.

It was not because President Jarvis is a fire insurance man that there was so much "fire" in his annual address. It was because it had so much "meat."

It was de-Creed that Secretary Creed, of Halifax, should have a good time and he had it.

The Nova Scotian delegates were all agreed that there was no fog about the arrangements got up for their entertainment.

Mr. P. Innes, of Kings County, N.S., was the biggest man at the convention.

No one was more indefatigable than Mr. Fisher in looking after the interests of the delegates.

President De Wolfe is a conscientious and painstaking officer, and has the interests of the Maritime Board at heart.

President De Wolfe promised the Maritime Board a good business time at the next annual convention.

Mr. John Ervin, of Bridgetown, was one of the most faithful attendants at the meetings of the convention.

Mr. S. Schofield appeared to be loaded with documents to support every argument.

Secretary Allison has a cool head and a capacity for work.

Retiring President Jarvis' address should be read by everyone.

CANADIAN COMPUTING SCALES.

Since the introduction of computing scales into Canada, C. Wilson & Son, the Toronto scale makers, not only secured the right to make the American money-weight scales, but invented new designs of their own. A special feature about the Wilson computing scale is that it shows the money value and weight all at the same time. This is a great advantage, as the grocer can tell the customer the weight without having to weigh the goods a second time. Another advantage is simplicity of construction, and the workmanship is all that can be desired. A very important point is the bearings, they are agate and diamond steel, and under the marble platform where the weak points give out first, the Wilson scale has ball-bearings. They are claimed never to wear out. The business of this firm has extended so much recently that they have been forced to open a warehouse in Winnipeg for the supply of the Western orders. They are now making over 100 styles of scales, so that if the grocer does not wish a computing or money scale he can get their catalogue and can choose any size from the largest railroad track scale down to the finest tea scale.

THE FALL TRADE

To secure thoroughly reliable goods send your orders for

**Ready-Mixed House and Floor Paints,
Varnishes, Japans, Coach Colors,
White Lead, Colored Paints, Enamels,
Wood Stains, Wall Tints, Putty, etc.**

To Henderson & Potts,

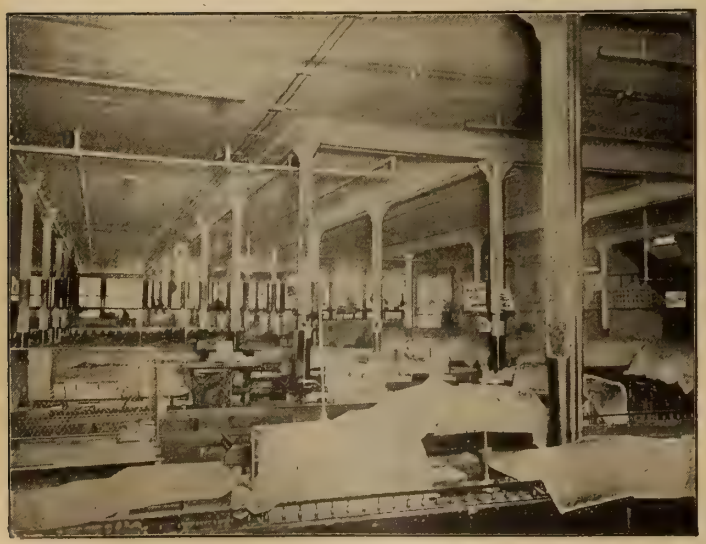
NOVA SCOTIA PAINT AND VARNISH WORKS,

HALIFAX, and 747 Craig St., MONTREAL.

Sole Agents for the Dominion for **Brandram's Celebrated White Lead.**

"LUXFER PRISM

windows and pavement lights are a boon to progressive and thrifty merchants."



EATON'S—WITH LUXFER PRISMS.



EATON'S—WITH PLATE GLASS.

WE REST OUR CASE

upon a comparison between the amount required to light your store with Luxfer Prisms and the amount of your artificial light bills.

WRITE TO

Luxfer Prism Co., Limited.

58 Yonge St., Toronto.

THE . . .

Watson, Foster Company

Limited

Manufacturers of all grades of WALL PAPERS

Montreal, Canada.



The Factory Producing the Most Modern, Artistic and Profitable Line of Paper Hangings on the Continent.

Largest Collection of Samples for Season 1899-1900 ever issued—136 Combinations, from the cheapest Blanks to the most fancy Gilt Papers, including Heavy Embossed Gilts on 24-oz. stock, 21 in. wide. EMBOSSED PULP EFFECTS—the newest specialty out.

NOTE.—In order to put all our Ontario customers on an equal footing as to freight, we have decided to equalize freight with Toronto for towns West of Belleville and West and North of Toronto.

TO DEALERS who bought too hastily in previous seasons we wish to tender a timely word of advice—WAIT till our representative calls on you in a few days with our interesting range of samples, or if YOU CANNOT WAIT write or wire us, and we will arrange to give you an early opportunity to inspect our offering.

MARKETS AND MARKET NOTES.

QUEBEC MARKETS.

MONTREAL, August 25, 1899.

HARDWARE.

UPWARD and still upward is evidently the motto for values in the iron and hardware market, for we have to note further radical advances this week. Smooth steel wire, for instance, is 15c. higher, and barbed, while unchanged, is held firm. Fine steel wire has been advanced 2½ per cent., and fence staples are from 15 to 20c. higher. Wire nails have been marked up 15c. per keg. The further rise has naturally attracted attention, but jobbers are filling orders very sparingly, not only in these, but in all other lines of material, as makers, both in Canada and the United States, are so choked up with orders, that they are liable to decide upon still further advances. In fact, their reserve stocks are practically nil, and the same circumstances govern in the case of jobbers, whose stocks are light as a general rule in all leading lines.

BARBED WIRE—Business continues quiet and prices unchanged at $3 f.o.b. factory, and $3.10 to $3.15 in a small way.

SMOOTH STEEL WIRE — There has been an advance of 15c. in this line, the base price now being $3 for Nos. 6 to 9 per 100 lb.

FINE STEEL WIRE—Values on this article have been marked up 2½ per cent., the discount now being 17½ per cent. off list.

BRASS AND COPPER WIRE—Continue unchanged at 50 and 2½ per cent. on brass and 45 and 10 per cent. on copper wire.

FENCE STAPLES—Values have been advanced 15 to 20c., the base price now being $3.25 for bright and $3.80 for galvanized per keg of 100 lb.

FINE STAPLES—Steady. Discounts are: Cooper, 55; poultry netting, 45, and electrician, broom, bed, etc., 40 per cent. off.

WIRE NAILS—These have been advanced 15c. per keg, to $3, although some jobbers are still filling orders at $2.85 to $2.90. Miscellaneous list, 75 per cent. discount.

COPPER WIRE NAILS—Steady to firm, at 50 per cent.

CUT NAILS—Steady, with moderate demand, at $2.25 per keg f.o.b. the usual delivery points. In the Maritime Provinces, however, this figure has been shaded, $2.15 being accepted.

FLOUR BARREL NAILS — No change. Flour barrel 30 and coopers' nails 35 per cent. discount.

BOAT NAILS—Unchanged, at 33⅓ per cent. discount on black and galvanized.

GALVANIZED ROOFING NAILS — These are firmer, at 8c. per lb., with 10 per cent. off list.

PRESSED SPIKES — Quiet and steady, at 30 per cent. off list.

HORSE NAILS—As last reported, 50 per cent. on standard and 50 and 20 on other brands.

HORSESHOES — A fair movement is experienced. We quote as follows: Iron shoes, light and medium pattern, No. 2 and larger $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4; X L steel shoes, new light pattern, No. 2 and larger, $3.90; No. 1 and smaller, $4.15; featherweight, all sizes, Nos. 0 to 4, $5.15; and toe weight steel shoes, all forward, all sizes $6.25 f.o.b. Montreal, St. John, N.B.,

THE CANADA PAINT COMPANY, LIMITED

Extend a cordial invitation to all their customers and any others who may be interested in Paints and Varnishes to call at their Office

90 BAY STREET

During Toronto Exhibition

We've got to put off irregular buyers of galvanized iron, when regular customers push us so hard.

We like to be pushed, but hate to put off.

Apollo Iron and Steel Company, Pittsburgh.

Cements { PORTLAND, ROMAN, KEENE'S

Bricks . . { FIRE, BUILDING, PAVING

Sand . . . { SILICA FIRE, MOULDING, BUILDING

F. HYDE & CO.
31 Wellington street, MONTREAL

English Castor Oil
GUARANTEED PURE.
Pharmaceutical, Tasteless, Cold Drawn
First Pressure
Second Pressure
In cases of 2 tins and in barrels. Stocked by all Hardware, Oil and Color men.
The Hull Oil Manufacturing Co.
LIMITED
B. & S.H. THOMPSON & CO.
Agents for Canada - MONTREAL

CANADA IRON FURNACE CO., Limited
Manufacturers of
CHARCOAL PIG IRON
MONTREAL.
BRAND "C.I.F." THREE RIVERS
PLANTS AT
Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.
Geo. E. Drummond,
Managing-Director and Treasurer

and Halifax, N.S. Delivered f.o.b. in Toronto, Hamilton, London and Guelph 10c. per 100 lb. extra.

SCREWS — There is a brisk inquiry. Discounts are as follows: Flat head, bright, 80 and 5 per cent; round head do., 75 and 5; flat head, brass, 75 and 5; round head do., 67½ and 5.

BOLTS—A good movement is noted in these. Discounts are: Carriage bolts, 5-16 and smaller, 55 per cent.; ⅜ and up, 50 per cent.; full square bolts, 65 per cent.; machine bolts, 55 per cent.; coach screw bolts, 67½ per cent., and sleighshoe bolts, 72½ per cent.

NUTS AND WASHERS — In fair request. We quote as follows: Square, 3¾c. and hexagon 4¼c. per lb.; discount off list. Washers in 50-lb. boxes are 50 per cent. discount.

RIVETS—Business is fairly active. Discounts are: Black and tinned, 45 per cent.; ditto burrs, 40 per cent.; copper rivets and burrs, 35 per cent.

CORDAGE — Business quiet, but prices have been advanced all around. We quote: Manila, 7-16 and up, 12½c.; ⅜, 13c., and ¼ and 5-16, 13½c. Sisal, 11c. for 7-16 and up; 11½c. for ⅜, and 12c. for ¼ and 5-16.

WRINGERS — There is a good movement in these, with prices firm at $48 to $60, as to brand, with 45 per cent. off list.

BUILDING PAPER — Quiet and steady. We quote: Plain building, 28c.; tarred lining, 35c.; tarred roofing, $1.40, and carpet felt, $2.25.

CUTLERY—There is an improved demand for these goods.

SPORTING GOODS—A heavy movement in these has developed this week for guns and ammunition, but particularly for loaded shells.

CEMENT — Has ruled quiet and steady. We quote: Belgian, $1.90 to $2.10; English, $2.30 to $2.40, and German, $2.45 to $2.65, per cask ex wharf.

FIREBRICKS — There is a good demand for these, and we quote $17 to $23 per 1,000, as to brand, ex wharf.

METALS.

The strength in all kinds of heavy iron and metals continues, as will be noted from the advances recorded in the following reports, and specially dwelt upon elsewhere.

BAR IRON—There has been an advance of 10 to 15c. in this material, the base price being $2.10 to $2.15 f.o.b. Montreal, and makers assert that they have more orders than they know what to do with.

PIG IRON—The market gathers strength with each successive week, and now no Scotch iron is obtainable under $24, and we quote $24 to $25. Domestic pig iron is not quotable at all.

TINPLATES
"Lydbrook," Best Coke,
"Allaways," Charcoal,
"Dominion Crown," Best Charcoal,
are brands that you can swear by.
A. C. LESLIE & CO.
MONTREAL.

FOX
All-Steel Sash Pulleys
THEY require no Screws—this means a saving of a gross of screws on every six dozen Pulleys.
THEY can be applied quicker than any other Pulley.
THEY are cheap, strong and durable.
NO NAILS NO SCREWS
JUST BORE FOUR HOLES
AIKENHEAD HARDWARE CO.
Toronto.

ADAM HOPE & CO.
30 JOHN STREET N.
Hamilton, Ont.
PIG TIN
PIG COPPER INGOTS
PIG LEAD
ANTIMONY
TIN, and CANADA PLATES

NOVA SCOTIA STEEL CO.
Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
Open Hearth Steel

BLACK SHEETS—These are steady.

HOOP IRON — Has advanced, the base price now being $3 to $.25 for jobbing lots.

STEEL — The firm tendency is retained, and machinery is held 25c. higher. We quote: Sleighshoe and tire, $2.50; spring, $2.75; machinery, $3.25, and toe calk, $3.

GALVANIZED IRON—Demand is brisk, but jobbers are accepting orders with reserve. We quote as follows: Queen's Head, $4.55 to $4.80; Comet brand, $4.30 to $4.55, according to the size of the order.

INGOT COPPER—This metal is firmly held at 19½ to 20c.

INGOT TIN — There is no change in the spot price of this, the base being retained at 36c.

PIG LEAD—Firm, with a fair inquiry, at $4.25 per 100 lb.

LEAD PIPE—Quiet. We quote: Ordinary, 7c., and composition waste, 7½c., with 20 per cent. discount.

IRON PIPE—This material is strong and tending upward. In fact, Montreal is the cheapest market in the world for certain sizes. We quote: Black pipe, ⅛ and ¼-inch, $3.12; ⅜-inch, $3.25; ½-inch, $3.75; 1-inch, $5.20; 1¼-inch, $6.85; 1½-inch, $8.75 and 2-inch, $11.02. Galvanized pipe, ⅛ and ¼-inch, $5.64; ⅜-inch, $6.64; ½-inch, $7.41; 1-inch, $10.12; 1¼-inch, $14.03; 1½-inch, $17.16, and 2-inch, $23.

TINPLATES — Jobbers note numerous orders, but are filling them sparingly. We quote as follows: Coke, I. C., $4.40; charcoal, I. C., Allaway or Comet brands, $4.80; do. I. X., $5.05; Lincoln, $5; P. D. Crown, $5.30; do. I. X., $5.80; Bradley's, $6.25.

CANADA PLATES — The same remarks apply to this line. We quote: 52's, $2.60; 60's, $2.70; 75's, $2.80; full polished, $3.25; galvanized Canada plates, $4.55 for 52's.

TERNE PLATE—Firm and unchanged at $7.50.

SWEDISH IRON—This material has advanced fully 15c., the base price now being $3.40.

COIL CHAIN — Steady, and with more inquiry. We quote as follows: No. 6, 10¾c.; No. 5, 9¼c.; No. 4, 8¼c., and No. 3, 7¼c. per lb.; ¼-inch, $6; 5-16, $4.75; ⅜, $4.25; 7-16, $4.10; ½, $4; 9-16, $3.95; ⅝, $3.85; ¾, $3.65, and ⅞, $3.55 per 100 lb.

SHEET ZINC — Firm and unchanged at 7½ to 7¾c.

ANTIMONY—As last noted, at 10 to 11c.

SPELTER—Firmly held at $7.

GLASS.

Window glass continues unchanged. We quote as follows: First break, $1.90; second, $2 for 50 feet; first break, 100 feet, $3.60; second, $3.80; third, $4.25; fourth, $4.50; fifth, $5; sixth, $5.50, and seventh, $6.

PAINTS AND OILS.

The market is beginning to feel the effect of fall orders, which are now commencing to come in. Demand for paints and varnishes from manufacturers is good, and general trade is satisfactory for the season. Linseed and turpentine are steady. We quote:

WHITE LEAD—Best brands, Government standard, $6.00; No. 1, $5.62½; No. 2, $5.25; No. 3, $4.87½.

DRY WHITE LEAD—$4.75 in casks; kegs, $5.

RED LEAD—Firm; casks, $4.50; in kegs, $4.75.

WHITE ZINC PAINT—Pure, dry, 8c.; No. 1, 6½c.; in oil, pure, 9c.; No. 1, 7½c.

PUTTY —We quote: Bulk, $1.65; bladders, in bbls., $1.80; bladders, in cases, $1.95; in tins, $2.05 to $2.30.

LINSEED OIL — Raw, 57c.; boiled, 60c., five to nine-barrels, 1c. less, ten and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—Single barrels, 75c.; two to four barrels, 74c.; five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Firm; $1.10 to $1.30 per gallon.

CASTOR OIL—Firm; 7½ to 8c.

SEAL OIL—35½ to 37½c.

COD OIL—35 to 37½c.

NAVAL STORES—Fair demand for all lines, and prices show no change: Resins, $2.75 to $4.50, as to brand; coal tar, $3 to $3.50; cotton waste, 4½ to 5½c. for colored, and 6 to 7½c. for white; oakum, 5½ to 6½c., and cotton oakum, 9 to 11c.

PETROLEUM.

The petroleum market is firmer, both Crown Acme, and Silver Star being advanced. We quote as follows: Crown Acme, the new Sarnia oil, 16½c.; Perfection and Silver Star, Canadian refined, 15½c.; American prime white, 17c.; water white, 18c., and Pratt's astral, 19½c., in small quantities.

HIDES.

Unchanged. We quote: Lambskins, 40c. Beef hides, 9, 8 and 7c., while calfskins are 11 and 9c.

COAL.

Fairly active and firm. We quote: Stove, $5.75; chestnut, $5.75; egg, $5.50; Scotch grate, $6; Scotch steam, $4 to $4.50; Tower ports steam, $3.50 to $3.75.

MONTREAL NOTES.

Canadian petroleum has been advanced 1c. all round.

There has been an advance of 15c. in

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON'
KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL



STEEL LETTERS and FIGURES.
If your Jobber does not keep our steel letters and figures send to us direct, we make everything in steel stamps.
HAMILTON STAMP & STENCIL WORKS
Hamilton, Ont.

1879 ESTABLISHED 1879
ESSEX HANDLE and WOOD TURNING WORKS.
Late of Essex, now LEAMINGTON ONT.
Makers of Axe, Fork, Rake, Hoe, Sledge, Broom, Hammer, and all kinds of Handles. Neck Yokes, Singletrees, and Doubletrees, Bench Saws, Exercise Clubs, Baseball Bats, etc., etc. Do you sell any Shaved Pattern and Octagon Axe Handles? The largest and best trade in Canada does, because they give best satisfaction. **All stock air-dried,** not kiln-dried. If you are going to be in it, place your order with
GARDNER BROS. & CO.

CAPITAL CITY BUSINESS COLLEGE.
A. M. Grimes, M.A., Principal.
Shorthand, Bookkeeping, Penmanship, Telegraphy, Business Correspondence and Proofreading. Pitman's or Munson's Shorthand, per month, $4.00. White's Phonography, per month, $8.00. Telegraphy, per month, $8 00. Bookkeeping and Business Practice, per course, $35,00. Bookkeeping and Business Practice, per month $5.00. Penmanship, per month, $3.00. Night School, per month, $3.00. Private Lessons, each, $1.00. Address, A. M. GRIMES, Principal, Cor. Bank and Sparks Sts., Ottawa.



JOHN BOWMAN HARDWARE & COAL CO.

London, Ont.

For further supplies of **BINDER TWINE, write us.**

Shipment Prompt. Prices the Lowest.

the price of both smooth steel wire and wire nails.

Turpentine and linseed are firm at the rise.

Bar iron is from 10 to 15c. higher than it was last week.

Hoop iron has scored a material gain on the week.

One half, ¾, 1 inch, 1¼ and 1½ inch black iron pipe are all higher.

The base price of Swedish iron here has been marked up from 15 to 20c. per 100 lb.

ONTARIO MARKETS.

TORONTO, August 25, 1899.

HARDWARE.

TRADE is keeping remarkably good for this time of the year. There have been few new developments in regard to prices. Canadian locks are, however, again higher. The same is to be said of builders' hardware. Wire nails are in fair demand at last week's advance. Hay-baling wire is going out in nice quantities. All other kinds of wire are quiet. Cut nails continue quiet. Quite a few orders for horseshoes and horse nails are being booked for delivery next month. An active trade is being done in screws and in stove bolts. Rope is in fair demand. There is still a fair trade being done in enameled ware, and in tinware business is moderate. The stove and furnace trade is good, and a good many shipments have already gone forward.

BARBED WIRE—There is very little doing. The price is unchanged at $3.25 f.o.b. Toronto.

SMOOTH STEEL WIRE—Some good orders are being received for hay-baling wire, but oiled and annealed is quiet. The base price is unchanged at $5 f.o.b. factory.

GALVANIZED WIRE—Trade is quiet. We quote: Nos. 6, 7, 8 gauge $3.40; No. 9, $2.90; No. 10, $3.50; No. 11, $3.55; No. 12, $3.05; No. 13, $3.15; No. 14, $3.90; No. 15, $4.50; No. 16, $4.65.

WIRE NAILS—The demand for wire nails is good at the advanced price. Relatively speaking, the price of wire nails is cheaper than wire. The base price is $2.85 in carload lots, and $2.90 in smaller quantities.

CUT NAILS — Trade is dull and prices unchanged at $2.25 base f.o.b. Toronto, Hamilton and London.

HORSE NAILS — There is a fair movement, and some good orders are being booked for future delivery. We quote: Standard, oval head, 50 per cent.; Acadia, countersunk head, 50 and 20 per cent.

HORSESHOES—A good many orders are being booked for delivery next month. We quote f. o. b. Toronto, Hamilton, London and Guelph: No. 2 and larger, light, medium and heavy iron shoes, $3.60; snow shoes, $3.85; light steel shoes, $4.00; featherweight shoes, all sizes, $5.25. No. 1 and smaller, light, medium and heavy iron shoes, $3.85 per keg; iron snow shoes, $4.20; light steel shoes, $4.15; featherweight steel shoes, all sizes, $5.25.

SCREWS—Trade is active, and prices firm and unchanged. We quote: Flat head bright, 80 and 5 per cent. off the list; round head bright, 75 and 5 per cent.; flat head brass, 75 and 5 per cent.; round head brass, 67½ and 5 per cent.; flat head bronze, 67½ and 5 per cent.; round head bronze, 62½ and 5 per cent.

BOLTS—Trade continues active, particularly in stove bolts. We quote as follows: Norway bolts, full square, 65 per cent.; common carriage bolts, 5-16 and under, 55 per cent.; ditto, ⅜ and larger, 50 per cent.; ditto, full square, 65 per cent.; machine bolts, all sizes, 55 per cent.; coach screws, 67½ per cent.; sleighshoe bolts, 72½ per cent.; blank bolts, 55 per cent.; bolt ends, 62½ per cent.; nuts, square, 3¾c.; nuts, hexagon, 4¼c.; tapping nuts, 60 per cent.; tire bolts, 60 and 10 per cent.; stove bolts, 60 and 10 per cent.

ROPE — In fair demand. We quote: Sisal, 7-16 in. and larger, 11½c. per lb.; ⅜ in., 12c.; ¼ and 5-16 in., 12½c. Manila, 7-16 in. and larger, 13c. per lb.; ⅜ in., 13½c.; ¼ and 5-16 in., 14c.; New Zealand, 11c. per lb.; Deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 10c. Clotheslines, 48 feet, 90c.; 60 feet, $1.20; 72 feet, $1.50; 100 feet, $2.

RIVETS AND BURRS—Trade keeps fair. We quote: Carriage section, wagon box, rivets, etc. (steel), 60 per cent. off the list; ditto (Norway iron), 60 per cent.; black M rivets (steel), 55 per cent.; ditto (Norway iron), 45 per cent.; iron burrs, 40 per cent.; copper rivets, 35 per cent.; bifurcated, with box, $1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

CHURNS—Business is fair. We quote as follows: Metal frame — No. 0, $3; No. 1, $3.20; No. 2, $3.40; No. 3, $3.75; No. 4, $4.50; No. 5, $5.90. The price of wooden frames is 15c. per churn less than the above. Terms, 3 per cent. off 30 days f.o.b. Toronto.

WRINGERS — Not much doing. We quote as follows: "Leader," $60 per doz.; "Royal Canadian," $58; "Royal American," $48. Prices are all f. o. b. Toronto, Hamilton, Brockville, and Montreal. Discount, 45 per cent. Terms, our months, or 3 per cent. 30 days.

BUILDING PAPER—Trade keeps fair. We quote: Plain building, 28c. per roll; tarred lining, 35c., according to quality; tarred roofing felt, $1.40 per 100 lb.; carpet felt, $2.25 per 100 lb.

WARE—A fair trade is still being done in enameled ware, and a nice business for this time of the year is being done in tinware.

CEMENT—Some unusually large contracts have been let this week, including one from the Dominion Government calling for 12,000 barrels of Portland for the Trent canal. This was secured by a Canadian firm. As their is little foreign cement offering, these contracts have somewhat reduced the supply for general trade, so the price of car lots of Canadian Portland has been raised from $2.50 to $2.60 per bbl. The price of barrel lots is unchanged. We quote in barrel lots as follows: Canadian Portland,

$2.65 to $2.90; English do., $3; Canadian hydraulic cements, $1 to $1.10; calcined plaster, $1.90 ; asbestos cement, $2.50 per bbl.

METALS.

Tinned sheets are ½c. dearer, and bar iron is 15c. higher. In other lines of metals prices are much as before.

PIG IRON—The market continues firm. We quote Hamilton iron at $21 f.o.b. furnace.

BAR IRON—Is 15c. per 100 lb. higher, the base price now being $2.15.

BLACK SHEETS—Trade keeps good, with prices unchanged.

GALVANIZED IRON—The demand is good and stocks continue small. The price of 28 gauge is unchanged at $5.

COPPER—There has been more movement in ingot copper, and in general trade is good. We quote : Ingot tin, 20 to 21c. per lb. and sheet, 23 to 23½c. per lb.

PIG TIN—The outside markets are a little easier, but locally the price is unchanged at 37c. per lb. Purchases are not heavy, on account of the high prices ruling.

TINPLATES — Prices are firm in Great Britain, and orders which have been placed this week by wholesale importers are costing $1.35 per case more than in January last. Locally, there is a fair demand.

CANADA PLATES —As import orders have all been filled, business is expected to be rather quiet for the next month. We quote : All-dull, $2.75 ; half-polished, $2.85 ; all-bright, $3.20.

IRON PIPE—Trade keeps good and prices firm. Quotations on black pipe are : ¼ to ⅜ inch, $3.35 ; ½ inch, $3.40; ¾ inch, $4 ; 1 inch, $5.50 ; 1¼ inch, $7.35; 1½ inch, $9.25 ; 2 inch, $12.50 ; 2½ to 6 inch, discount off the list 45 per cent. Galvanized pipe is quoted as follows : ½ inch, $6.50 ; ¾ inch, $8 ; 1 inch, $11; 1¼ inch, $15.25; 1½ inch, $19 ; 2 inch, $27.

PIG LEAD—Trade is fair at 4½ to 4¾c. per lb.

LEAD PIPE — There is not a great deal doing. We quote: Ordinary pipe, 7c.; waste, 7½c. Discount, 20 per cent.

RANGE BOILERS — The demand is fair. We quote: Galvanized, 30 gals., $9; 35 gal., $10; 40 gal., $11. Copper, 30 gal., $22 ; 35 gal., $26 ; 40 gal., $30; discount off copper boilers, 10 per cent.

SHEET ZINC — The demand is active. Prices are unchanged at 8¼ for cask lots and 8½c for smaller quantities.

SPELTER—A fairly active trade is being done at 7½ to 7¾c. per lb.

SOLDER—In this line, trade is only moderate. We quote : 21 to 22c. for half-and-half ; 20 to 21c. for refined, and 18 to 19c. for wiping.

ANTIMONY — Trade is moderate, with prices steady at 11 to 11½c. for Cookson's.

SOIL PIPE—A good trade is still to be noted. The discount is unaltered at 50 and 10 per cent.

PAINTS AND OILS.

The general movement of trade throughout the country is exceptionally good ; in the city, the demand is better than usual at this season of the year. The demand extends to all lines. Turpentine is still stiffening in value, though no advance is noted this week. Linseed oil is firm. White lead is higher in European market, but the local prices keep steady. We quote :

WHITE LEAD—Ex Toronto, pure white lead, $6.12½; No. 1, $5.75; No. 2, $5.37½; No. 3, $5 ; No. 4, $4.62½ ; dry white lead in casks, $5.10.

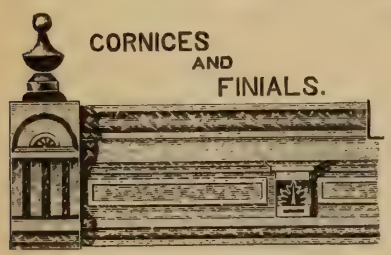
RED LEAD—Genuine, in casks of 560 lb., $4.90 to $5 ; ditto, in kegs of 100 lb., $5.15 to $5.50; No. 1, in casks of 560 lb., $4.75 ; ditto, kegs of 100 lb., $5.

LITHARGE AND ORANGE MINERAL—Litharge, 6 to 6½c. ; orange mineral, 7½ to 8½c.

WHITE ZINC—Genuine, French V.M., in casks, $7 to $7.25 ; Lehigh, in casks, $6.

PARIS WHITE—90c.

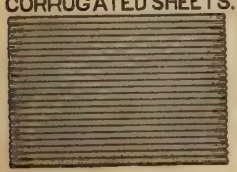
WHITING — 55c. per 100 lb.; Gilders' whiting, 85c.




ROCK FACE BRICK.


PRESSED BRICK.



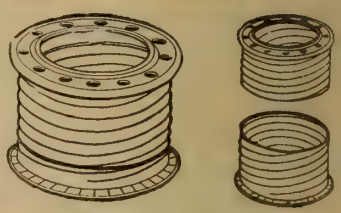


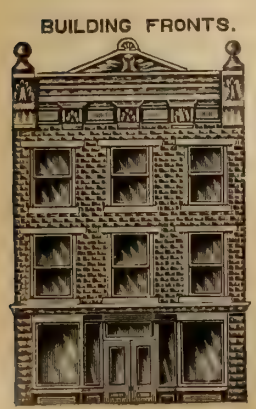
While we do not claim to be the largest Sheet Metal Manufacturers in the world—nor the oldest—we are pleased to have an opportunity of trying to supply the

Best in the World.

We want you to sample our goods and our methods of doing business. We try to smooth down some of the rough corners, and take a little pleasure out of business, working with our customers for our mutual advantages.

MOST OF OUR GOODS ARE SPECIALTIES.


O. K. Stove Pipe Thimble.
Why not try a sample lot ?



You know our Safe Lock Shingle has no equal. Its construction is what customers like. Our large Sheet Siding, in eight-foot lengths, will also interest you—easily put on over any rough surface.

Our New Method of Painting

is a great success. It gives customers confidence in our goods as they need not hesitate to recommend them. You should be interested in **METAL CEILINGS.** We have the latest designs—joints invisible when put on—ornamental nails—can be put on over plaster.

Send plan and size of ceiling and we will send you blue print and estimate.

Have you tried the O.K. THIMBLES ?
Did you get a copy of our New Catalogue ?

METAL SHINGLE AND SIDING CO. Limited
Preston, Ont.


Three "Safe Lock" Shingles. Showing method of interlocking on all four sides.

GUM SHELLAC—In cases, 20c. ; in less than cases, 24c.

PLASTER PARIS — Ordinary, $1.75 per barrel ; New Brunswick, $2 to $2.20 per barrel.

PUMICE STONE—Powdered, $2.50 per cwt. in barrels, and 4 to 5c. per lb. in less quantity ; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, $1 to $1.10 per gallon ; No 1 quality, 90c. per gallon.

SEAL OIL—59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9c. per lb. and 10c. for single tins.

LINSEED OIL — Outside western points (freight allowed) : Raw, 1 to 4 barrels, 59c.; boiled, 1 to 4 barrels, 62c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE — Outside western points, freight allowed, 1 to 4 barrels, 77c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

Some import orders of window glass are being delivered this week, and others are on the way. Prices are firm, both locally and in the European market. There is a good demand at present for both plate and ornamental glass. Plate glass is advancing. We quote window glass : Star, first break in 50-foot boxes, $2.15, and in 100-foot boxes, $4 ; double diamond under 25 united inches, $6, Toronto Hamilton and London ; terms 4 months or 3 per cent. 30 days.

OLD MATERIAL

A good demand is noted. Prices are firm throughout. We quote as follows : Agricultural scrap, 55c. per cwt. ; machinery cast, 60c. per cwt. ; stove cast scrap, 45c.; No. 1 wrought scrap, 55c. per 100 lb.; new light scrap copper, 12½c. per lb.; bottoms, 11c. ; heavy copper, 15c.; light scrap brass, 7½c.; heavy yellow scrap brass, 10c.; heavy red scrap brass, 11c.; scrap lead, 2½c.; zinc, 3c ; scrap rubber, 4c.; good country mixed rags, 65 to 75c.; clean dry bones, 45 to 50c. per 100 lb.

HIDES, SKINS AND WOOL.

HIDES -- A good demand continues. Prices are firm. We quote cowhides : No. 1, 8½c.; No. 2, 7½c.; No. 3, 6¼c. Steer hides are worth ½c. more. Cured hides are worth 9c.

SKINS — A stiff feeling is manifested. Lambskins are 5 to 10c. dearer. We quote : No. 1 veal, 8-lb. and up, 9c. per lb.; No. 2, 7c.; dekins, from 30 to 35c.; culls, 15 to 20c. Sheep and lambskins are selling at 45c.

WOOL — There is practically nothing doing, holders and buyers being too far apart for business. We quote fleece at 14 to 14¼c., and unwashed at 8 to 9c.

SEEDS.

Some jobbing in small quantities is being done this week at $3 to $4 per cwt. The deliveries of clover have been light, holders keeping their stock, which was harvested rather late, until all harvesting is over. Dealers are offering $4 to $4.75 for choice to fancy lots of alsike. Extra fancy lots are worth 25c. more.

PETROLEUM.

Business is steadily improving. Prices are unchanged. We quote in barrels, Toronto: Canadian, 14c.; Sarnia prime white, 14c.; Sarnia water white, 15c.; photogene, 15½c.; American water white, 16½c.; Pratt's astral, 18c.

COAL.

A brisk demand is noted at firm prices. We quote : Anthracite for August delivery at Buffalo and bridges : Egg, stove and nut, $4.50 per gross ton, or $4.01 per net ton ; grate, $4.25 per gross ton or $3.79 per net ton.

MARKET NOTES.

Cement is 10c. dearer in carload lots, the price now being $2.60 per barrel.

Tinned sheets are ½c. dearer.

Bar iron has been advanced 15c. per 100 lb.

Wm. A. Ettinger, general merchant, Kennetcook, N.S., has registered consent for his wife Harriet Ettinger to do business in her own name.

SHELLAC.

LAC is produced chiefly in Bengal and Assam. It is obtained from incrustations on the branches of various trees, produced by the insect coccus lacca, which punctures the bark. The incrustation called lac is formed by the female insect, and the bits of branches covered with it are termed stick lac. These bits are gathered and treated with water, which process separates the lac from the twigs and reduces it to the form of small grains ; it is now called seed lac. Shellac is prepared by putting the seed lac into a cloth bag, which is placed over a slow fire ; when the lac inside it melts, the cloth is twisted hard, so that the liquid comes out of the pores of the cloth, and is allowed to drop on a plantain leaf put underneath, or a glazed porcelain trough. The glossy nature of the leaf causes the liquid lac to spread into thin layers, which, when cold, becomes the shellac of commerce. The lower qualities of seed lac are treated in the same way, but are allowed to form thick buttons, and constitute "button lac."

The quality of lac varies chiefly according to the tree upon which the insect feeds. The best lac is "kusum," or lac from the "kusum" tree, next "dhak," then "pipal." The "kusum" is said to last for ten years, while all other qualities are only good for two or three years. The "kusum" lac twigs are of a light golden color, from which orange shellac is manufactured. The other qualities are known as "liver," "native orange," "garnet," etc. Lac is often adulterated with orpiment to impart a fine yellow color, and still more frequently with resin, which it requires experience and careful analysis to detect. In Bengal, lac is gathered twice a year, viz., from the middle of October to the end of January, and from the middle of May to the middle of July. The export of shell and button lac from India is considerably over 10,000 tons yearly.—Boston Transcript.

76,800 Daily Production
5 Factories
5 Brands
For Sale all over the world.



16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of America.

NICHOLSON FILE CO., Providence, R.I., U.S.A.

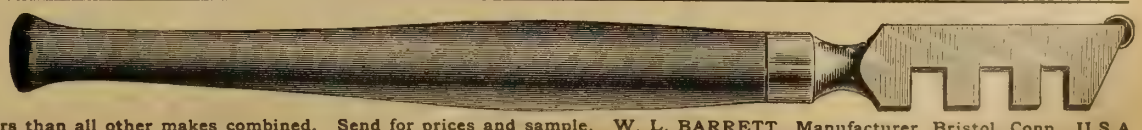
BRITISH PLATE GLASS COMPANY, Limited. Established 1773.

Manufacturers of **Polished, Silvered, Bevelled, Chequered, and Rough Plate Glass.** Also of a durable, highly-polished material called **"MARBLETTE,"** suitable for Advertising Tablets, Signs, Facias, Direction Plates, Clock Faces, Mural Tablets, Tombstones, etc. This is supplied plain, embossed, or with incised gilt letters. **Benders, Embossers, Brilliant Cutters, etc., etc.** Estimates and Designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow 12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glass, St. Helens." Telephone No. 68 St Helens.

Barrett's Glass Cutters Standard

Barrett's Practical Glass Cutters are the standard the world over.



Sold by more Hardware Dealers than all other makes combined. Send for prices and sample. W. L. BARRETT, Manufacturer, Bristol, Conn., U.S.A

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY. MONTREAL.

FOR SALE.

FOR SALE — BRANCH STORE — PLUMBING. Hardware, Stove, Furnace and Tinning Business, Established five years. Sales doubled in last year. Only store of its kind within ten miles. Reasons for selling—Have all the business proprietors care to see to at their main store. $3,500 stock and fixtures. Rare chance for business man. Address, H. L. WHEELOCK Rock Island, Quebec. (t.f.)

HARDWARE BUSINESS FOR SALE.

Established twenty years on Main St., Winnipeg, Mantoba. Satisfactory reasons for selling. First-class stand with all modern fittings — unexpired lease. Apply to CAMPBELL BROS., Winnipeg, Manitoba. (tf)

THE ABBEY IMPROVED CHILLED SHOT COMPANY, LIMITED, Newcastle-on-Tyne

All England Championship Cup, value £100, also stake £100, in all £200, on 7th December, 1898, the winner fired with our shot and writes us: "You will be pleased to hear I won the All England Championship Cup. **I fired with your chilled shot.** Indeed, I would not use any other, as I know from experience it makes the best patterns and kills best."

FOR SALE.

A NEW MARLIN RIFLE

Never been used. Just the Rifle for practice. Price $30. Will take $20.

19 Board of Trade, Montreal

Canada

The first letter in this word ("**C**") was selected by us in 1865 as our Registered Trade Mark for all Horse Nails made by us. We have faithfully endeavored during all of this long period, to maintain their claim to be the first in Canada in every particular, quality, pattern and general excellence. If you want the best, ask for the "**C**" brand and accept no others. Our name and brand is on each box. The cost is the same as others.

Canada Horse Nail Company,

MONTREAL.

Deseronto Iron Co.

LIMITED

DESERONTO, ONT.

Manufacturers of

Charcoal Pig Iron

BRAND "DESERONTO."

Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

29 Years. Established 1870. 29 Years

SEASONABLE GOODS AT RIGHT PRICES.

Barbed Wire Fencing; Agricultural Implements; Bradley Tin; Builders' and Cabinet Makers' Hardware **Special**—A full line of Tinsmiths' Tools and Machinery—lates mprovements.

SEYBOLD, SON & CO. - MONTREAL.

KNOX HENRY.

Heavy Hardware and Metal Broker

Room 220½ Board of Trade, MONTREAL.

SPECIALTIES—C Brand Horse Nails—Canada Horse Nail Co.

BOLTS—Tire and Stove Rivets of all kinds—Chalcraft Screw Co.

BRASS GOODS—Gunn Castor Co., Limited, Birmingham, Eng.

Hardwood CHARCOAL in Bulk or Sacks.

WOOD ALCOHOL equalling Methylated Spirits as a solvent.

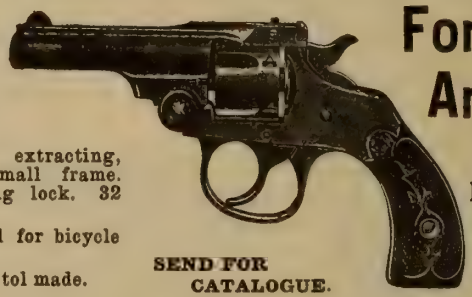
Manufactured only by...

THE STANDARD CHEMICAL CO., Limited

Factories { Fenelon Falls. Deseronto.

Gooderham Building, TORONTO

PERFECTION AUTOMATIC REVOLVER.



NEW Automatic shell extracting, double action, small frame. Weighs 12 oz. Rebounding lock. 32 caliber. 5 shot.

Made with shorter barrel for bicycle use.

The most perfect small pistol made.

SEND FOR CATALOGUE.

Forehand Arms Co.

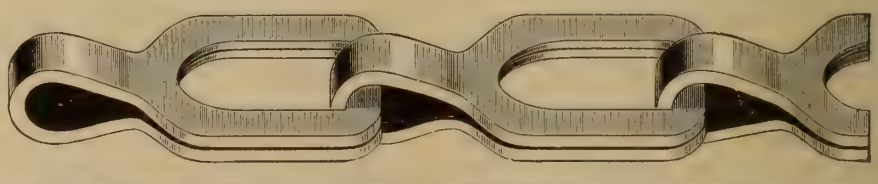
Manufacturers of the

Forehand Guns

Worcester, Mass.

AMERICAN COW TIES

WILL OUTLAST ALL OTHERS.



This is because the form of the link, the exact size and shape of which are shown above, is such that the wear is distributed evenly over its entire end. The bearing surface is thus very large, and the chain will wear for years without becoming worn appreciably.

With other styles of chain the bearing surface is only a very small portion of the extreme end of the link. Grooves are soon formed, and in a comparatively short time the links are worn—or, properly speaking, cut—through.

These facts are well shown on a cow tie recently brought us for repairs. It was an ordinary No. 00 three chain tie. One chain was wire, the other two American. One of the wire links was worn entirely through. The others were nearly as bad—a strong pull would have broken almost any of them. With the American chains, on the other hand, the wear was very slight, and hardly noticable—three times this amount would not have weakened the chains seriously.

In addition, because of its flat link and smooth surface, American chain is much easier for the neck of the animal than the twisted or wire chain. The American link cannot injure the animal's neck—other styles of link are very liable to.

American Cow Ties are made in all the standard patterns and sizes. They are sold by all jobbers.

ONEIDA COMMUNITY, Limited, NIAGARA FALLS, ONT.

MANITOBA MARKETS.

WINNIPEG, August 21, 1899.

TRADE keeps fairly good. The only change in prices is an advauce in the quotations on Manila rope. Prices are as follows :

Barbed wire, 100 lb	$3 75
Plain twist	3 75
Staples	4 25
Oiled annealed wire, 10	3 52
" 11	3 59
" 12	3 65
" 13	3 80
" 14	3 92
" 15	4 05
Wire nails, 30 to 60 dy, keg	3 35
" 16 and 20	3 40
" 10	3 50
" 8	3 65
" 6	3 70
" 4	3 90
" 3	3 85
Cut nails, 30 to 60 dy.	2 75
" 20 to 40	2 80
" 10 to 16	2 85
" 8	2 90
" 6	2 95
" 4	3 25
" 3	3 50
" 3 fine	3 80
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No. 1	4 25
No. 2 and larger	4 00
Snow shoes, No. 0 to No. 1	4 70
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 70
No. 2 and larger	4 45
Extra light	4 65
Bar and band iron, $2.55 basis.	
Swedish iron, $5 basis.	
Tool steel, Black Diamond, 100 lb	8 75
Jessop	12 75
Sheet iron, black, 10 to 12 gauge, 100 lb.	3 25
14 to 26 gauge	3 50
28 gauge	3 60
Galvanized American, 16 gauge	4 25
18 to 22 gauge	4 50
24 gauge	4 75
26 gauge	5 00
28 gauge	5 25
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 55
26 gauge	8 80
28 gauge	8 00
Tinplate, IC charcoal, 20 x 28, box	10 00
" IX "	12 00
" IXX "	14 00
Ingot tin	38
Canada plate, 18 x 21 and 18 x 24	3 35
Sheet zinc, cask lots, 100 lb	9 00
Broken lots	9 50
Pig lead, 100 lb	4 50
Wrought pipe, black up to 2 inch	50 p.c.
" Over 2 inch	50 and 10 p.c.
Rope, sisal, 7-16 and larger	11 50
" ⅜	12 00
" ¼ and 5-16	12 50
Manila, 7-16 and larger	13 50
" ⅜	14 00
" ¼ and 5-16	14 50
Solder	22
Cotton rope, all sizes, lb.	15
Axes, per box $6.00	to 8 00
Screws, flat head, iron, bright, 75, 10 and	7½ p.c.
Round " "	70 and 10 p.c.
Flat " brass	70 and 10 p.c.
Round " "	65 p.c.
Bolts, carriage 5-16 and smaller	47½ p.c.
⅜ and larger	42½ p.c.
Machine	47½ p.c.
Tire	50 and 10 p.c.
Sleigh shoe	65 p.c.
Rivets, iron	37½ p.c.
Copper, No. 8, lb.	33⅓c.
Spades and shovels	
Harvest tools	62½ p.c.
Axe handles, turned, s. g. hickory, doz.	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 65
No. 1	1 25
Linseed oil, raw, per gal	61
" boiled "	64
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	25 p.c.
" military	15 p.c.
American R.F.	35 p.c.
C.F. pistol	5 p.c.
C.F. military	Net.
Loaded shells, Robin Hood, M	$20 00
Eley's soft, 12 gauge	15 00
chilled, 12 guage	16 50
soft, 10 guage	20 00
chilled, 10 guage	21 00
American, M	16 25
Shot, Ordinary, per 100 lb	6 50
Chilled	7 00
Powder, F.F., keg	4 75
F.F.G.	5 00
Robin Hood	10 00
Tinware, pressed, retinned	70 and 2½ p.c.
" " plain	70 and 15 p.c.
Graniteware, according to quality	60 p.c.
Turpentine, by barrel	70c.
Less than barrel	75c.

The 5 New Buildings erected this year on the Toronto Fair Grounds are covered with our Galvanized

EASTLAKE SHINGLES.

This makes a total of **55** buildings on these Grounds alone—protected by EASTLAKE'S.

They were chosen because of their reliable worth.

The many other lines of fireproof building materials we make are equally noted for their practical superiority. Better call at our show-rooms and inspect them if you're visiting the Fair—every Exhibition Car passes our doors.

THE METALLIC ROOFING CO., Limited

Cor. King and Dufferin Sts., TORONTO,

Wholesale Man'frs. Near the Ex. Grounds.

TORONTO FAIR.

The Canada Paint Co. had no exhibit at Toronto Fair last year, but had it not been for the extreme pressure on all their departments this season, in all probability they would have shown one of their very interesting displays next week.

However, it was impossible to give it the necessary time, and if their clients are disappointed at the absence of their name over one of the sections, their disappointment will be somewhat lightened by the attentions which will be shown them by the company's staff, either on the Exhibition grounds or at their office, 90 Bay street. A special invitation is given in our advertising columns to their old customers and also to any dealers who may desire to join the ranks.

WHEN STOCKING UP.

Many a merchant will make the mistake, when starting in business, of stocking up his store with such high-class goods that they are far beyond the means of the people in the community who would naturally be inclined to do their purchasing at his store, says Stoves and Hardware Reporter. Costly stock, while handsome and attractive in appearance, finds no sale among people of average means, simply because they cannot afford to buy it. It has often been observed that, where the merchant starts into business with such high-flown notions of what he is going to do in elevating the standard of merchandise in his community, he is generally compelled by force of circumstances to come down to the prosaic level, and stock up with goods which will meet the needs, wants and finances of his patrons. Sometimes the unsophisticated merchant will allow himself to be persuaded into purchasing such a line of goods, hoping that he will be able to create a demand for them. Now, however attractive and desirable goods may be, or however much people may desire and admire them, they cannot buy them unless they have the money to do so. It is often quite possible for a person to have a will and yet not find the way, if one may be allowed to reverse an old saying. Therefore, the successful dealer is the one who conforms to the wants of his customers.

PERSONAL MENTION.

C. F. Pratt, manager of the carriage trade department of The Sherwin-Williams Co., from the company's headquarters at Cleveland, will visit Toronto during the Fair. He will be accompanied by N. B. Wise, who looks after the interests of the Canadian carriage manufacturers.

A. E. Nichols, hardware dealer, Fergus, Ont., is no longer a bachelor. On Wednesday, August 9, he was married to Janet, the second daughter of Andrew Semple, M.P., Fergus, Ont. HARDWARE AND METAL sends hearty congratulations.

WORK WITHOUT KICKING.

A GREAT portion of the rising generation is growing up with a radically wrong conception of the true spirit of work, says The Chameleon. We are trying too hard to suit ourselves and "kicking" too much when things don't go our way.

We are working much more earnestly for ourselves than for our employers. Our own pleasure and convenience have come to be our most important aim. We consult our own tastes first and the employer's wishes last.

What we need is a little of the spirit of the old apprenticeship days, when immediate self wishes and comfort were downed in service that looked towards the future.

The business schooling that begins with sweeping and window washing graduates successful men. But all that will be soon entirely out of fashion unless we learn to do less faultfinding and more work.

A willingness to do any honorable thing that an employer can ask ought to characterize everyone who wants to rise on his own merits. But, through a false idea of our relation to the employer, we are rapidly growing to be a race of "kickers" and faultfinders. We work too much under protest.

We rarely go ahead in the good, old-fashioned way, doing everything we can the best we can, whether it is what we would like to do or not. We don't accept the conditions under which we have to work without question, or try to make the best of them so long as our superiors see fit to impose them.

We find fault and complain and "kick," and sometimes we strike.

It is all fundamentally wrong. It is not loyal, whole-hearted service, and furthermore it works far more injustice to ourselves than to those we work for. We can never advance or succeed if prompted by such a spirit.

The common-sense mode of life teaches us that patience and endurance are cardinal virtues, and that even though affairs do not always suit our own ideas it is best to put up with them. A little inconvenience or discomfort, a little more work than we get paid for ought not to disturb our peace of mind, and they won't so long as we don't find fault.

It doesn't pay to become restless under minor conditions that are not just to our liking. If we submit to them gracefully and accommodate ourselves to them we are grasping one of the very best helps to success, to say nothing of the time and worry we save.

Did you ever hear of a man "kicking" his way to success? Yet the world is full of men who believe that by faultfinding and "kicking" they are looking out for their best interests.

The true spirit of work, however, eliminates all possible faultfinding and dissatisfaction. It gives men judgment to overlook the annoyances and hardships of the present and see, beyond, the good that is gained by making the best of them.

This doctrine doesn't mean that we should be totally blind to our own rights and let people walk over us roughshod. But it isn't the tendency of the times to allow that.

All our caution is needed to avoid the other extreme, to cultivate less sensitiveness and more forbearance, to look out for our own ease a little less and study the rights of others.

The world needs men who can "kick" less and work more.

CRITICIZING COMPETITORS.

There is one fault to which merchants are too often prone, and that is deriding and criticizing their competitors, says the Stoves and Hardware Reporter. Instead of having a fraternal feeling for them and a generous desire that they may succeed, their chief wish is either to exterminate them or else to injure them in every conceivable way. The method which is most in vogue is to do everything to belittle a competitor's goods, methods of doing business and the general equipment of his store. The writer has known of instances where a prospective purchaser has made some mention to one merchant of the prices or qualities of goods prevailing at another's store, whereupon the merchant began a long tirade descriptive of his competitor's bad methods, general dishonesty and unworthiness. Now, instead of having the effect which the merchant hopes it will, it generally redounds to his own discredit, because such backbiting can only create a bad opinion of the perpetrator of it. As a rule, the listener generally sees the object the merchant has in view in criticizing a competitor. It is done in the hope that he may keep trade away from him, and, if possible, secure it himself. The old motto, "live and let live," is the best which a merchant can adopt. It is another application of the golden rule which cannot be brought to mind too frequently in a keenly competitive age like the present one, where men are jostling against one another and knocking each other down. It is far better to ignore competitors a little too much than to go to the other extreme and brood over their actions, grow jealous of them, and in watching them forget your own business.

SECRET OF GOOD TEMPER.

Not long ago, says a writer in an exchange, I was talking to a prosperous business man who was verging on middle age, but he looked so young and well and in such good spirits, notwithstanding the fact that he was a hard and conscientious worker, that some curiosity was aroused as to how he had prolonged his youth. His explanation was that he never worried, and that he left his business at the store, or, in other words, that he did not think or worry about it after he left it. Though by no means the secret of his success—for it is quite possible for a man to do all this and never rise very high—it did, in a measure, account for his cheerfulness, zest, earnestness and the fresh zeal which he brought to his work every day. It is possible, by thinking and pondering too much after business hours about knotty problems and difficulties which have arisen during the day to develop a harassed expression, make the brain weary and bring about a general irritability which reacts detrimentally upon both customers and clerks. It is certainly very depressing for everyone who comes in contact with the merchant who is prone to worry too much and who generally makes it a point to vent his spleen upon someone else's unoffending head. When people enter a store they do not want to be glared at as if they must buy whether they want to or not. Nor are they particularly edified by exhibitions of bad temper. And if a merchant is not careful this is just what he is apt to do, if he allows himself to worry too much and fret about trifles. Many of the things which he allows his mind to dwell upon are insignificant in themselves and will soon pass away if undue importance is not given them.

Raymond & Fils, general merchants, St. Anne de Beaupre, Que., have dissolved. The business will be continued by Jas. Raymond under the style of Raymond & Cie.

TENDERS FOR STEAMSHIP SERVICE.

SEALED TENDERS, addressed to the undersigned, at the Department of Trade and Commerce, Ottawa, marked "Tenders for Steamship Service," will be received until the 15th day of September next, for steamship service, including the carrying of Her Majesty's Mails for a period of five years, for the following:

The service to be during the winter season, say from between the 15th November and 1st December in the fall to the 1st of May in the Spring. Three full round trips per week, making in all not less than sixty full round trips between Murray Bay on the North Shore and St. Denis on the South Shore on the River St. Lawrence.

Tenders must state the class, engine power, speed, capacity, passenger and other accommodation, etc., of the vessel proposed to be employed, and must show to the satisfaction of the Minister of Trade and Commerce that the vessel offered is capable of fulfilling such conditions as may be imposed.

The Government does not bind itself to accept lowest or any tender.

W. G. PARMELEE,
Deputy Minister of Trade and Commerce.

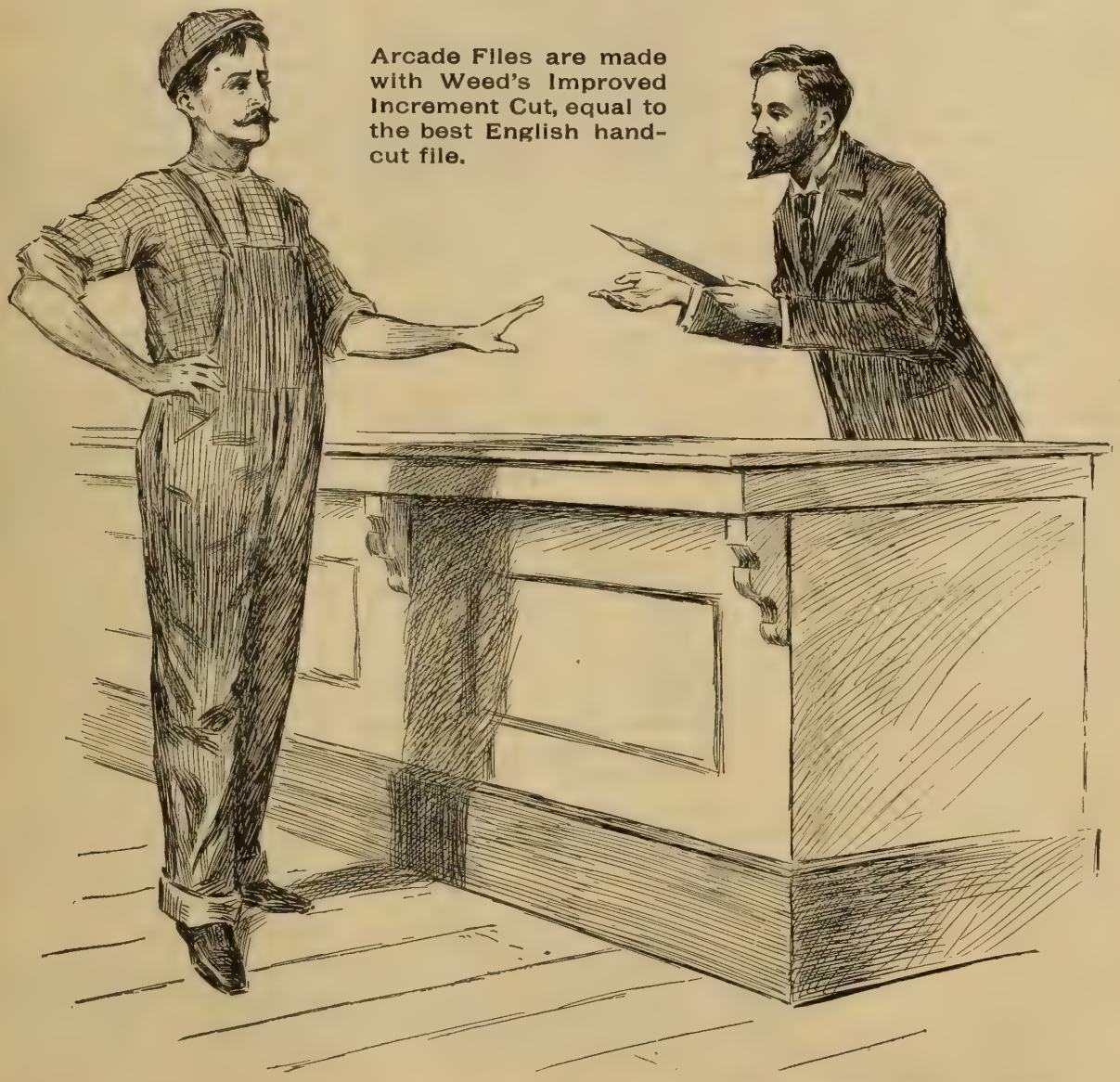
Department of Trade and Commerce,
Ottawa, 18th August, 1899. 361

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Vice-President and Gen'l Mgr.

HEATING AND PLUMBING

ENGLISH VIEWS ON THE APPRENTICESHIP OF PLUMBERS.

J. WRIGHT CLARKE.

ARE technical trade classes of real advantage to young men? Most emphatically, yes! To the student who attends for a short time, or only for one session, little advantage is gained; but to those who are earnest and attend two, three, or four courses of lectures, and are taught to think for themselves, the benefit is incalculable and far reaching. One disadvantage, if it can be considered as such, is that many of those who are the best students, and make the best progress in the technicalities of the craft, soon leave the ranks of the journeymen and obtain higher, better paid, and more constant positions, with easier hours of working. Even those who remain in the ranks benefit by being able to command more regular employment.

A marked difference, too, is noticed, in the young students, especially between their appearance when they first join and after they have attended for some time. By simply drawing their attention to the fact that dirty hands, with which lead may probably be mixed, is injurious to their health, they become cleaner in their persons and dress, and this leads to an improvement in their general tone and manner. But for the classes many young lads would loiter about in the streets and contract habits difficult to eradicate afterwards. In the classes they not only learn something useful, but matter for reflection at other times when not attending.

In the technical classes, they are not only taught the sciences which underlie the craft, but also to reason for themselves, so that they are less liable to drift or blunder into making mistakes in their work. They are also taught "to finish a job before they begin it," in other words, to make drawings so that the whole of a job, or a section of it, can be seen at a glance. This leads them to set out their work by chalk lines on the bench or floor on their jobs, by which there is less waste of material when cutting out; bends in pipes can be shown to the right sweeps, or radii, to suit their intended positions; and joints to come in easy positions for making and also properly spaced, instead of being jumbled together to present an ugly appearance. They also learn the general principles of construction of the many appliances that they fix, so that they can adjust or repair them when called upon to do so. By practice, their arithmetic and penmanship improve considerably. The higher grade students are taught the principles of sanitary science and their application without which skilled workmanship is of doubtful value.

In the practical classes, small specimens of actual work are made, and the students encouraged to do one thing perfectly before attempting another. Even the importance of each blow given by a tool is impressed upon them, so that their strength and energy are not wasted or applied in a useless manner.

In many cases, the young students work in the daytime with indifferent workmen, whose mannerisms and unskilled ways they copy, and the teachers find some difficulty in eradicating some of these abuses and teaching better methods. Taken altogether, the classes are of great value to young plumbers, as they learn at them a great deal which they cannot possibly do in their daily work. But, to those not so working, the classes are of more than doubtful utility.

CAN TRADES BE LEARNED

at polytechnics better than by apprenticeship? Not in evening classes. To become a skilled craftsman constant and daily practice and a variety of work are essential. In classes, only small specimens can be made, and the work is all done on benches under much more favorable conditions than can be obtained in general practice. It is possible only to work on what may be termed detail specimens, and large pieces cannot be handled in a class room in which there are several students. But it is detail that the young students require, as they will then be better able to execute larger works when they arrive at an age when they will be called upon to do so. In fact, it would be a mistake to give young students work which only skilled artizans who have had several years' experience could successfully accomplish. And again, the classes are held one evening of two hours each for about 30 weeks in each year. This gives a total of 60 hours, which, when compared with the usual working year of, say, 48 weeks at 47 hours per week, appears to be very small. Even if a student attended the classes for six years, the hours would amount to only about 360, so that it is impossible to attain sufficient skill to become a thoroughly practical plumber by the aid of the classes alone.

The foregoing remarks may appear to detract from the value of evening classes, but it must be remembered that the latter are not intended for teaching trades in their entirety; in fact, this is impossible for reasons already given. But they are most valuable as auxiliaries to apprenticeship, as so much that is necessary to know, and which cannot be learned in the ordinary way, is taught them.

By their means a man is taught to be a man who, by his attained intelligence, is far and away superior to the beast of burden whose only guide is a whip and reins; or a piece of machinery which can only do the special work for which it is designed and constructed.

Many men are content to trudge along and have no desire to improve themselves or raise their positions in life. But there are many others who have higher aims and ambitions, who wish not only to elevate themselves, but their craft also, and by helping such men the whole community benefit. This being the case, the money spent in endowing polytechnics and science schools must return with interest into the nation's purse.—Plumber and Decorator.

TORONTO BUILDING PERMITS.

Permits have been issued in Toronto to L. P. Stewart, for a two-storey and attic brick residence at 84 Delaware avenue, to cost $2,800; to The J. D. King Co., Limited, for two attached storeys to their factoryat 122 and 126 Wellington street, to cost $7,000; to John Denny, for a pair of two-storey and attic brick residences on Stewart street, near Bathurst, to cost $4,000; to Dr. A. McPhedran, for a two-storey and attic brick dwelling at 151 Bloor street west, to cost $9,000; to P. E. Black, for a pair of roughcast dwellings near Bathurst street, on Niagara, to cost $2,000.

PLUMBING AND HEATING NOTES.

Lamarche & Benoit have been appointed curators of F. Duclos, plumber, Montreal.

Unusual building activity is reported at Winnipeg at present.

THE MARITIME HARDWARE ASSOCIATION.

The first annual meeting of the Wholesale Hardware Association of the Maritime Provinces was held at Digby, N.S., on August 10 and 11. The association itself was really organized in April last, and is composed of the wholesale hardware houses of St. John, N.B., Halifax and Yarmouth.

Messrs. W. H. Thorne and J. J. Barry, both of St. John, are president and secretary respectively of the association.

The object of the association is to bring the wholesale hardwaremen of the Maritime Provinces into close touch with each other and to remedy trade grievances which may arise from time to time.

SEND for specimen copy of Phillips' Monthly Machinery Register, containing over 5,000 entries of new and second-hand machinery of every description. The oldest established and most successful medium in the world. Established 25 years for the purpose of introducing those who have machinery for sale, to those who wish to buy, has a circulation of about 50,000 copies per annum, all over the world, and is used for continual reference by a large number of firms. It is consequently a most valuable advertising medium for all engineers and manufacturers. Subscription, 6s. per annum, price per copy, 6d. Sole Proprietor, CHAS. D. PHILLIPS, M.I.M.E., Newport, Mon., England. Telegraphic address: "Machinery, Newport, Mon."

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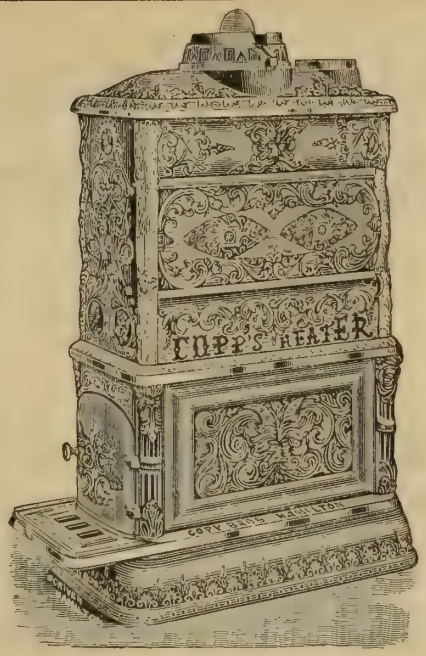
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This heater has been an extraordinary success. In Winnipeg we know of an instance where it heated a store containing 21,168 cubic feet, and was the only stove used.

This year we have added several impovements, also **a smaller size,** burning 27-inch wood.

Every dealer ought to keep the Copp Heater before his customers. There's fame and money in it for you.

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The only Exclusive Manufacturers of Soil Pipe and Soil Pipe Fittings in Canada. . . . . .

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Ride Good Tires



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C. R. Co.
} Tires are Good Tires.

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A HINT TO EXHIBITORS.

Merchants or manufacturers intending to make exhibits at any of the various fall fairs should make a careful selection of fixtures to be used. The space generally allotted is so limited that good fixtures are a great aid to ingenuity in making a display effective. When even common lumber is used to fit up a temporary structure, the expense entailed is generally considerable. Therefore, the adjustable show and display tables, which are becoming so popular for store display, should prove of much value. These are fitted with automatic spring locks, so are easily adjusted to several angles, so that one's display could be frequently changed. Unlike the temporary structure, the value of these tables is not ended with the close of the exhibition. They are made in several different sizes and colors by Boeckh Bros. & Company, Toronto. The sale of these tables has grown so largely that this firm recently found it necessary to make an addition to their present premises at 88 York street, Toronto. A booklet, with illustrated description of these tables, can be had upon application to this firm.

FROM ERRAND BOYS TO PEERS.

There are no better examples of individuals who have fought their way to fame and fortune than the cases of Lord Mount Stephen and Lord Strathcona, who have each risen to the highest point of eminence from the humblest prospects. The former began life as an apprentice to an Aberdeen draper. After further experience in a London shipping-house he emigrated to Canada, and joined his cousin, who was in a dry goods business. This marked the turn in the tide of his fortunes, for he quickly became manufacturer, bank president, and then pioneer of the Canadian Pacific Railway. Lord Mount Stephen's charity is as boundless as his wealth.

Lord Strathcona began life as an errand boy in an obscure Scottish village, emigrating to New York. A few months later he worked his way up into Canada, and eventually entered the service of the Hudson's Bay Company, then at the climax of its power and prestige. Beginning at the very bottom of the ladder he forged his way up to the very top. The knowledge he obtained of the capabilities of Canada was immense. At the moment when the construction of the Canadian Pacific Railway seemed in danger owing to the hesitation of capitalists and of the Dominion Government to contribute towards the undertaking, he came forward with Lord Mount Stephen and a few friends, and guaranteed the whole of the capital required for the line, thus assuring its creation and success. They richly deserve the distinction of being styled Canada's pair of "Grand Old Men."—Scottish American.

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We make the following :

Open Ring, six sizes.
Small Closed Ring, six sizes.
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Greening's Special Tie with Stall Fixtures, five sizes.

Our ties have stood the test for years and are undoubtedly the best in the market. Send for new price list. For sale by all jobbers.

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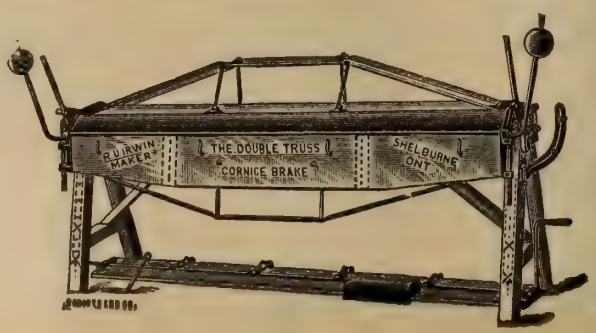
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This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

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Very handy beader attachment, $10 extra, if required.

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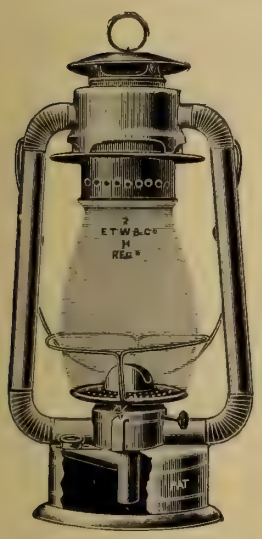
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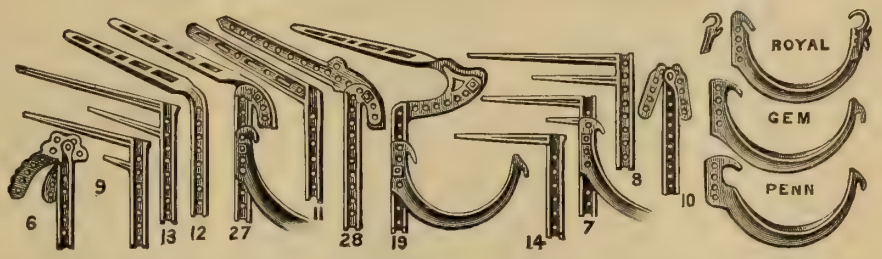
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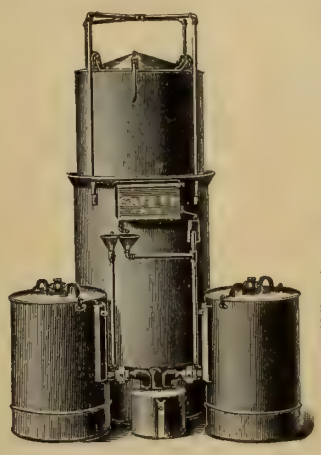
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Dear Sirs,—The 10-light Safety Acetylene Gas Machine purchased from your Mr. Sparling has been in use in the office, composing and press rooms of the Vernon News since the beginning of the year, and it is giving excellent satisfaction. The light is clear, strong and much easier on the eyes than other forms of artificial light, and is admirably adapted for our purpose. The machine is easily operated and requires little attention. The automatic device for removing the ash from the carbide works to perfection. We find that there is no overgeneration of gas and consequently no waste. The ash is always dry when removed. Considering the volume of light we find it more economical than coal oil, and we can confidently recommend the Safety generator as a very excellent machine.

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Hand Laid Cotton Rope and Clothes Lines,
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CURRENT MARKET QUOTATIONS.

August 25, 1899.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

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Tin.

Lamb and Flag—	
56 and 28 lb. ingots, per lb.	0 37
Straits	0 37

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	Per box
M.L.S., equal to Bradley.	
I.C., usual sizes	$6 50
I.X., "	7 75
I.X.X., "	9 00
J. R. & Co.—	
I.C	6 00
I.X	7 25
I.X.X	8 50
Famous—	
I.C.	6 25
I.X.	7 50
I.X.X	8 75
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	5 75
I.X.X., "	6 50
I.XXX., "	7 25
D.C., 12½x17	4 50
D.X	5 25
D.X.X	7 25

Coke Plates—Bright.

Bessemer Steel—	
I.C., usual sizes	4 35
I.C., special sizes, base	4 50
20x28	8 75

Charcoal Plates—Terne.

Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 00
I.X., Terne Tin	9 25

Charcoal Tin Boiler Plates.

	Per lb.
Cookley Grade—	
X X., 14x56, 50 sheet bxs	0 07 0 07½
" 14x60 "	
" 14x65, "	

Tinned Sheets.

72x30 up to 24 gauge	0 07½ 0 08
" 26 "	0 08 0 08½
" 28 "	0 08½ 0 09

Iron and Steel.

	Base Price
Common Bar, per 100 lbs	2 15
Refined " "	2 30
Horse Shoe	2 15 2 25
Hoop steel, 1½ to 3 in. base, extras for smaller sizes	2 75
Swedish " "	4 00 4 25
Sleigh Shoe Steel " base	2 60
Tire Steel	2 50
Machinery	2 65
Cast Steel, per lb	0 10 0 14
Toe Calk Steel	2 95
Toe Weight Steel	6 10
Thos. Firth & Sons' Cast Steel	0 12 0 14
Russian Sheet, per lb	0 10½ 0 11
Tank Plates, 1-5 and thicker.	2 00 2 25
Boiler Rivets	4 50 5 00

Boiler Tubes.

1½-inch	0 11
2 "	0 12
2½ "	0 14
"	

Steel Boiler Plate.

¼ inch	3 25
3-16 inch	3 40
⅛ inch and thicker	3 25

Black Sheets.

18 gauge	2 75
20 "	2 75
22 to 24 "	2 90
26 "	3 0
28 "	3 25

Canada Plates.

All dull, 52 sheets	2 75
Half polished	2 85
All bright	3 20

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ⅜ inch, $3 35 ; ½ inch, $3.40 ; ¾ inch, $4.00; 1 inch, $5.50; 1¼ inch, $7.35 ; 1½ inch, $9.25; 2 inch, $12.50. 2½ to 6 inch, discount 45 p.c.

Galvanized, ⅜ inch, $6.00: ½ inch, $6.30 ; ¾ inch, $8.00 1 inch, $11.00 ; 1¼ inch, $15.25 ; 1½ inch, $19.00 ; 2 inch, $27.00.

Galvanized Iron.

	G C. Comet.	Amer.	Queen's Head
16 gauge			4 25
18 to 24 gauge	4 50		4 50
26 "	4 75		4 75
28 "	5 00		5 00

Less than case lots, 25c. per 100 lb. additional.

Chain.

Proof Coil, 3-16 in., per 100 lbs	
" ¼ " "	6 75
" 5-16 " "	4 75
" ⅜ " "	4 30
" 7-16 " "	4 15
" ½ " "	3 05
" ⅝ " "	3 85
" ¾ " "	3 75
Trace, per doz. pairs	3 60 5 90
Jack chain, iron, single, per doz. yards	0 13 0 50
Jack chain, double, per doz. yards	0 15
Jack chain, brass, single, per doz. yards	20 10

Copper.

Ingot.

English B. S., ton lots	0 20 0 21
Lake Superior	

Bolt or Bar.

Cut lengths, round, ½ to ⅞ in.	0 23½ 0 25
" round and square 1 to 2 inches	0 23½ 0 25

Sheet.

Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 23 0 23½
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 23 0 23½

NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.

Tinned copper sheets	0 26
Planished	0 32

Braziers. (In sheets.)

4x6 ft. 25 to 30 lbs. ea., per lb.	0 25½
" 35 to 45 "	0 24½
" 50-lb. and above, "	0 23½

Boiler and T. K. Pitts.

Plain Tinned, per lb	0 28
Spun, per lb	0 32

Brass.

Roll and Sheet, 14 to 30 gauge, 5 per cent.	
Sheets, hard-rolled, 2x4	0 24 0 25
Tubing, base, per lb	0 24 0 25

Zinc Spelter

Foreign, per lb	0 07½ 0 07¼
Domestic "	

Zinc Sheet.

5 cwt. casks	0 08¼
Part casks	0 08½

Lead.

Imported Pig, per lb	0 04½ 0 04¾
Domestic, per lb	
Bar, 1 lb	05¼
Sheets, 2½ lbs. sq. ft., by roll.	0 05 05¼
Sheets. 3 to 6 lbs., per sq. ft., by roll	0 04¾ 0 05

NOTE.—Cut sheets ½ cent per lb. extra Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 20 per cent. discount

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths, lists at 7½ cents.

Shot.

Ordinary, drop, $4.75 per 1 0 lb ; chilled, $5.15 per 100 lb. F.O B. Toronto : terms 3 per cent cash, freights equalized on Montreal.

Soil Pipe.

Discount, 50 and 10 per cent.

Solder.

	Per lb.	Per lb.
Bar half-and-half	0 22	0 23
Refined	0 21	0 22
Wiping	0 18	0 19

NOTE.—Prices of this graded according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 11 0 11½

White Lead.

	Per cwt.
Pure, Assoc. guarantee, ground in oil, 25 lb. irons	6 12½
No. 1 do	5 75
No. 2 do	5 37½
No. 3 do	5 00
No. 4 do	4 62½
Robertson's Chemically Pure	6 12½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B. B. Genuine	8 12½
" " No. 1	7 25
James' genuine	7 20
" " No. 1	6 75

White Zinc Paint.

Elephant Snow White	0 08 0 09
Pure Whiie Zinc	0 08 0 09
No. 1	0 06 0 07½
No. 2	0 05 0 06½

Dry White Lead.

Pure, casks	0 05⅛
Pure, kegs	0 05⅜
No. 1, casks	0 04⅞
No. 1, kegs	0 05⅛

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)

Pure, per gallon	1 00 1 10
Second qualities, per gallon	0 90 0 95
Barn (in bbls.)	0 70 0 90
The Sherwin-Williams Paints	1 30
Canada Paint Co's Pure	1 10 1 20
Robertson's Pure	1 00 1 10
Sanderson Pearcy's Pure	1 00 1 10
Toronto Paint and Color Co.'s Pure	1 10 1 20

Colors in Oil.

(25 lb. tins, Standard Quality.)

Venetian Red, per lb	0 05
Chrome Yellow	0 11
Golden Ochre	0 06
French "	0 05
Marine Black	0 09
" Green	0 09
Chrome "	0 08
French Imperial Green	0 19

Colors, Dry.

Yellow Ochre (J. C.) bbls. per cwt	1 35 1 40
Yellow Ochre (J.F.L.S.), bbls. per cwt	2 75
Yellow Ochre (Royal), per cwt	1 10 1 15
Brussels Ochre	2 00
Venetian Red (best). per cwt.	1 80 1 90
English Oxides, per cwt	3 00 3 25
American Oxides, per cwt	1 75 2 00
Canadian Oxides, per cwt	1 75 2 00
Super Magnetic Oxides, 93 p c.	2 00 2 25
Burnt Sienna, pure, per lb.	0 10
" Umber, " "	0 10
do aw	0 09
Drop Black, pure	0 09
Chrome Yellows, pure	0 18
Chrome Greens, pure. per lb.	0 12
Golden Ochre	0 03¾
Ultra marine Blue in 28-lb boxes, per lb	0 08 0 24
Fire Proof Mineral, per 100 lb.	1 00
Genuine Eng. Litharge, per lb	0 07
Mortar Color, per 100 lb.	1 25
James' Gen. Red Lead, 100 lb	0 04⅞
Pure Indian Red, No. 45, lb.	0 08
Whiting, per 100 lb.	0 55

Paris Green.

250 lb. casks	0 13½
50 lb. drums	0 14
1 lb. packages	0 15
½ lb. "	0 16½
1-lb. tins	0 15½

Sulphate of Copper.

Casks, for spraying, per lb.	0 07
100-lb. lots, do. per lb.	0 08

Putty.

Bladders in bbls.	1 80
Bladders in 100 or 200 lb. kegs or bxs	1 95
Bulk in bbls., per 100	1 65
Bulk in less quantities	1 80
25-lb. tins, 4 in case	2 05
12½-lb. tins, 8 in case	2 30

Quotations f.o.b. Toronto—10c. per 100 lbs. extra Hamilton, London, Guelph. For quantities less than 100-lbs., 2½c. per lb.

Varnishes.

(In 5-gal. lots.)	Per gal.
Carriage, No. 1	1 30 1 40
Extra do.	1 50 1 60
Body Varnish	3 40 3 50
Furniture Varnish	0 50 0 60
Extra do.	1 00 1 10
Demar Varnish	1 50
Hard Oil Finish	1 30 1 35
Orange Shellac Varnish	2 00 2 10
White Shellac	2 20 2 25
Rubbing Varnish	2 90
Brown Japan	0 75
Elastic Oak	1 20 1 30

Linseed Oil.

Raw, per gal. net	0 57
Boiled, per gal. net	0 60

Outside points 1c. more than above figures

Turpentine.

1 to 4 barrels, net	0 72

Outside points 1c. more

Castor Oil.

In cases, per lb	0 09
Small lots	0 10

Cod Oil, Etc.

Cod Oil, per gal.	0 50
Pure Olive	1 20
" Neatsfoot	90

Glue.

(In bbls.)

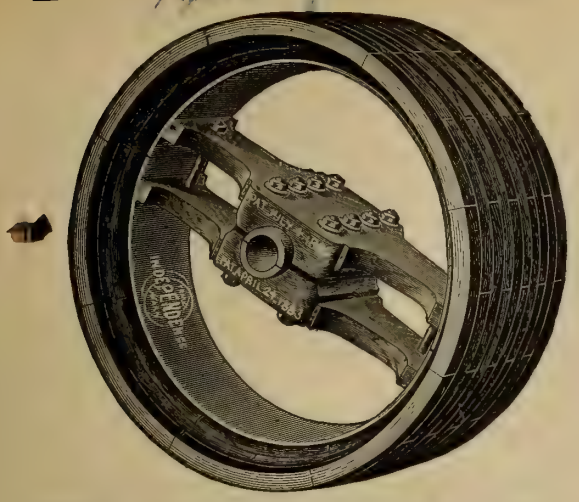
Common	0 08½ 0 09
French Medal	0 12 0 12½
Cabinet, sheet	0 11 0 12
White, extra	0 16 0 18
Gelatine	0 22 0 30
Strip	0 16 0 18
Coopers	0 19 0 20
A1 clear	0 09

HARDWARE.

Ammunition.

Cartridges.

B. B. Caps. Dom., 50 and 5 per cent.
Rim Fire Pistol, dia. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18 p.c. Amer.



Dodge

Standard Wood Split Pulleys

ARE USED BY EVERY MILL AND FACTORY IN CANADA.

Live hardware houses keep our catalogue and discount sheet at hand, and display our handsome hanger.

Ours is the largest and most complete Pulley Works in the Dominion.

DODGE MANUFACTURING CO.

of Toronto, Limited **TORONTO, ONT.**

WORKS : Toronto Junction. CITY OFFICES : 74 York St.

Central Fire Cartridges, pistol sizes, Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.
Brass Shot Shells, 55 and 10 per cent.
Primers, Dom., 80 per cent.

Wads.

	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½- b. bags	0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	

	Per M
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 33⅓ per cent.

Anvils.

Per lb	0 10	0 12½
Anvil and Vice combined each	....	4 50
Wilkinson & Co.'s Anvils..lb.	0 09	0 09½
Wilkinson & Co.'s Vices..lb.	0 09¾	0 10

Augers.

Gilmour's, discount 50 and 10 p.c. off revised list.

Hollow, Stearn's, per dozen..	13 00	20 00
Adjustable, Stearn's, each..	4 50	6 50
Post-hole, Vaughan's, each..	60	90

AXES.

Splitting Axes	5 25	5 50
Chopping Axes—		
Single List, per doz	8 00	12 00
Double List, "	11 00	18 00

Bench Axes, 40 and 15 p c.
Broad Axes, 33⅓ per cent.

Hunters' Axes	5 25	5 50
Boy's Axes	5 75	6 75

Bath Tubs.

Zinc	3 90	4 00

Copper, discount 40 and 10 p c. off revised list
Steel clad, 20 per cent. discount off revised list. Boxing extra.

Anti-Friction Metal.

Sandem "A"	per lb.	0 23
" B	"	0 19
" C	"	0 11½

Magnolia Anti-Friction Metal, per lb. 0 25
F. O. B. New York or Chicago.

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent.

Door.

Gongs, Sargant's	5 50	8 00

" Peterboro', discount 50 per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00

Blacksmiths', discount 60 per cent.

Belting.

Extra, 50 per cent.
Standard, 50 and 10 to 50, 10 and 5 per cent.
Agricultural, 60 and 10 p.c.

Bits.

Auger.

Gilmour's, discount 50 and 10 per cent.
Rockford, Common, 70 to 70 and 10 per cent.
" Perfection, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent.

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind Rollers.

Annex, per doz	1 25	1 75
Mascott, "	1 35	1 85
Erminie, "	1 00	0 00

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Norway Bolts, full square	65
Common Carriage Bolts, 5-16 & under	55
" " " ⅜ and larger.	50
" " " full square	65
Machine Bolts, all sizes	55
Coach Screws	67½
Sleigh Shoe Bolts	72½
Blank Bolts	55
Bolt Ends	62½
Nuts, square	3¾c ..
Nuts, hexagon	4¼c. ..
Tapping Nuts	60
Tire Bolts	60 and 10
Stove Bolts	60 and 10

Boot Calks.

Small and medium, per M	4 50	
Small heel, per M	4 25	

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dls., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent.

Henis, No. 8, "	....	6 00
Henis, No. 9, "	....	7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Plain building, per roll	0 28
Tarred lining, per roll	0 35
Tarred roofing, per 100 lb	1 40
Coal Tar, per barrel	3 75
Pitch, per 100-lb	0 60
Carpet felt, per 100 lb	2 25

Bull Rings.

Copper, $2.50 for 2½ in. and $2 for 2 in.

Butts.

Brass.

Wrought Brass, net revised list.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel.

Fast Joint, dis. 60 and 10 per cent.
Loose Pin, dis. 60 and 10 per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.
Gen. Bronzed, per pair 0 40 0 65

Cards.

Horse, per doz	0 60	1 00

Carpet Sweepers.

Bissell, per doz	22 50
World, "	21 75
Daisy, "	24 00
Star, "	18 00
Crown Jewel, per doz	29 00
Grand Rapids, "	24 00 33 00

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	2 65	2 90
English "	....	3 00
Belgian "	....	2 70
Canadian hydraulic	1 00	1 10

Figures are for barrel lots.

Chalk.

Carpenters, Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 60 and 5 per cent.
Warnock's, dis. 60 per cent.

Churns.

Revolving Churns, metal frames—No. 0, $3—No. 1, $3.25—No. 2, $3.40—No. 3, $3.75—No. 4, $4.50—No. 5, $5.90 each. Ditto, wood frames—15c. each less than above. Terms 4 months or 3 p.c. off 30 days, f.o.b.

Clips.

Axle dis. 65 per cent.

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 20 per cent. from factory.

Dies.

Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. per cent.

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Broad's, dis. 75 per cent.
Warnock's, dis. 50 and 10 per cent.

Drills.

Hand and Breast.

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis. 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.

EARTHENWARE.

Closets, washout, plain	4 50	
" " embossed	4 75	
Closet connection	1 25	
Basins, round, 14 in	0 65	
" oval, 17 x 14 in	1 55	
" " 19 x 15 in	2 30	

ELBOWS.

Stovepipe.

Per doz	0 85	1 70

FACTORY MILK CANS.

Discount off revised list, 45 per cent.

FILES.

Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Jowitt's, English list, 25 to 27½ per cent
Mechanics' Star & File Mfg. Co. Discount 60 and 10 to 70 per cent.

FORKS.

Hay, manure, etc., dis., 60 and 10 to 60 and 5 p. c. revised list.

FREEZERS

Ice Cream.

White Mountain, 1 to 25 qt	1 35	13 50
Arctic, dis. 50 p.c.		

FRY PANS.

Acme, dis. 65 to 67½ per cent.

FRUIT PRESSES.

Henis', per doz	3 25	3 50

Shepard's Queen City, dis. 15 per cent.

GAUGES.

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

GLASS.

Window.

Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	Double Diamond Per 50 ft.	Double Diamond Per 100 ft
Under 26	2 10	4 00	3 50	6 00
26 to 40	2 30	4 35	3 75	6 65
41 to 50	...	4 75	....	7 25
51 to 60	....	5 00	....	8 50
61 to 70	....	5 35	....	9 25
71 to 80	....	5 75	....	10 50
81 to 85	....	6 50	....	11 75
86 to 90	....	7 25	....	14 00
91 to 95	....	....	....	15 50
96 to 100	....	....	....	18 00
101 to 105	....	....	....	21 00
106 to 110	....	....	....	24 00
111 to 115	....	....	....	28 00

16 x 16 10 per cent. off.

HALTERS.

Rope, ⅜ per gross	8 25	8 55
" ½ "	9 25	6 50
" ⅝ "	11 00	11 20
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis 5 to 10 per cent. Can. dis. 25 to 27½ per cent.

Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz., net	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pair	0 40	2 50

Fork

C. & B., dis. 45 per cent. rev. list.

Hoe.

C. & B., dis. 45 per cent. rev. list.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 45 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾	0 20

HANGERS.

Door, 4 and 5 inch, per pair	0 40	0 50

Lane's, 62½ per cent.

HARVEST TOOLS.

Discount, 60, 10, and 5 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent.

HINGES.

Blind, Parker's, dis. 60 and 10 to 65 per cent.
" Shepard's Noiseless, dis. 60 per cent.
" " Buffalo, dis. 60 to 70 p. c.

Heavy T and strap, 4-in., per lb		0 06
" " 5-in., "	....	0 05¾
" " 6-in., "	...	0 05½
" " 8-in., "	....	0 05¼
" " 10-in., "	....	0 05

Screw hook and hinge—

6 to 12 in., per 100 lbs	....	3 75
14 in. up, per 100 lbs	...	3 00

	Per gro. pair
Spring	8 50

HOES.

Garden, Mortar, etc., dis. 60, 10 and 5 p.c.

Planter, per doz	4 00	4 50

HOOKS.

Cast Iron.

Bird Cage, per doz	0 50	1 10
Clothes Line, per doz	0 27	0 63
Harness, per doz	0 72	0 88
Hat and Coat, per gross	1 00	3 00
Chandelier, per doz	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.

Hat and Coat, discount 60 per cent.
Belt, per 1,000 ... 0 60 0 70
Screw, bright, dis. 65 and 10 per cent.

HORSE NAILS.

"C" brand 50 p.c. dis. } Oval head.
"M" brand 50 p.c. }

Acadian, 50 and 20 p.c., countersunk head.

HORSESHOES.

Iron Shoes.	F.O.B. Toronto. No. 2 and larger.	No. 1. and smaller.
Light, medium, and heavy	3 60	3 85
Snow shoes	3 85	4 10

Steel Shoes.

Light	4 00	4 25
Featherweight (all sizes)	5 25	5 25

JAPANNED WARE.

Discount, 50 per cent. off list, June, 1899.

ICE PICKS.

Star, per doz ... 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb ... 0 30 0 35
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 50 p.c.
Cabinet, trunk, and padlock, Am. per gross ... 60

KNOBS.

Door, japanned and N.P., per doz		1 00
Bronze, Berlin, per doz	2 75	3 25
Bronze Genuine, per doz	6 00	9 00
Shutter, porcelain, F. & L. screw, per gross	1 30	4 00

KNIVES.

Clau s bread, cake, and paring knives, $7 00 doz. sets net. to 10 per cent.
Christie, bread, cake and paring knives, $7 00 doz. sets, with 10 p.c. off.
Hay knives, spear point, L. or T handle, 60 10 and 5 per cent.
Lightning, per doz ... 6 50 8 40
Health's, $7.75 net.

LANTERNS.

Cold Blast, per doz		7 50
No. 3 "Wright's"		8 50

LEMON SQUEEZERS.

	per doz.	
Porcelain lined	2 25	5 60
Galvanized	1 87	3 85
King, wood	2 15	2 90
King, glass	4 00	4 50
All glass	1 20	1 30

LINES.

Fish, per gross	1 05	2 50
Chalk "	1 90	7 40

LOCKS

Canadian, dis. 45 p.c.
Russell & Erwin, per doz ... 2 00 2 20

Cabinet.

Eagle, dis. 30 p.c.

Padlock.

English and Am., per doz	50	6 00
Scandinavian, "	1 00	2 40

Eagle, dis. 15 to 17½ p.c.

MACHINE SCREWS.

Iron and Brass.

Flat head, discount 25 p.c.
Round Head, discount 20 p.c.

MALLETS.

Tinsmiths', per doz	1 25	1 50
Carpenters', hickory, per doz	1 25	3 75
Lignum Vitae, per doz	3 85	5 00
Caulking, each	60	2 00

MATTOCKS.

Canadian, per doz ... 8 50 10 00
American, 60 and 10 p.c. off list.

MEAT CUTTERS.

American, dis. 30 to 32½ p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2d. and 3d	$3 25	$3 75
3d	2 90	3 40
4 and 5d	2 85	3 15
6 and 7d	2 65	3 05
8 and 9d	2 40	2 90
10 and 12d	2 35	2 85
16 and 20d	2 30	2 80
30, 40, 50 and 60d. (base)	2 25	2 75

Steel Cut Nails 10c. extra.

NAIL PULLERS.

German and American ... 1 85 3 50

NAIL SETS.

Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.

Poultry, 40 per cent. for McMullen's.

OIL.

Canada refined (Toronto)		0 13½
Sarnia Water White		0 15
" Prime White		0 14
American w. w.		0 16½
Pratt's Astral		0 18

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz	0 00	11 00
Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz	1 25	3 50
Brass, "	1 50	3 50
Malleable, dis. 25 per cent.		

PAILS.

	per doz.
Galvanized, straight pattern No. 12	2 00
Galvanized, straight pattern No. 14	2 25
Galvanized, straight pattern No. 16	2 55
Flaring pattern, No. 11	2 25
" " No. 12	2 50
" " No. 13	2 85
" " No. 14	3 30

PIECED WARE.

Discount, 45 per cent. off list, June, 1899.

PICKS.

Per doz ... 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross	1 40	3 00
Brass head, "	0 40	1 00

PLANES.

Wood, bench, Canadian dis. 55 per cent. American dis. 55.
Wood, fancy Canadian or American, 37½ to 40 per cent.
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.
Miscellaneous, dis. 25 to 27½ per cent.
Bailey's Victor, 25 per cent.

PLANE IRONS.

English, per doz ... 2 00 5 00

PLIERS AND NIPPERS.

Button's Genuine, per doz pairs, dis. 40 p.c.	37½
Button's Imitation, per doz	5 00 9 00
German, per doz	0 60 2 60

PULLEYS.

Hothouse, per doz	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS

Canadian cistern	1 40	2 25
Canadian pitcher spout	1 15	2 00

PUNCHES.

Saddlers', per doz	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set	0 00	0 72
" hollow, per inch	0 00	1 00

RAKES.

Cast steel and malleable Canadian, list dis. 50 and 10 p.c revised list.
Wood, 25 per cent.

RASPS AND HORSE RASPS.

New Nicholson horse rasp, discount 60 p.c.
Globe File Co.'s rasps, 60 and 10 to 70 p.c.
Heller's Horse rasps, 50 to 50 and 5 p.c.

RAZORS.

	per doz.	
Geo. Butler & Co.'s	8 00	18 00
Boker's	7 50	11 00
Wade & Butcher's	3 60	10 00
Theile & Quack's	7 00	12 00

REAPING HOOKS.

No. 2	$2 00
No. 3	2 05
No. 4	2 15
No. 5	20

RIVETS AND BURRS.

Carriage, Section, Wagon Box Rivets, etc. (Steel), 55 p.c.
Carriage, Section, Wagon Box Rivets, et (Norway Iron), 55 p.c.
Black M Rivets (Steel), 45 p.c.
Black and Tinned Rivets, 55 p.c.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets & Burrs, 35 p.c. dis., and cartons, 1c. per lb. extra, net.
Extras on Tinned or Coppered Rivets in ½-lb. cartons, 1c. per lb.
Burrs, iron or steel, 40 per cent.
Terms, 4 mos. or 3 per cent. cash 30 days.

RIVET SETS.

Canadian, dis. 35 37½ per cent.

ROPE, ETC.

	Sisal.	Manila.
7-16 in. and larger, per lb.	11½	13
⅜ in.	12	13½
¼ and 5-16 in.	12½	14
Cotton		14
Russia Deep Sea		15½
Jute		8
Lath Yarn		9¾
New Zealand Rope		10½

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

Mrs. Potts, per set	0 70
" N. P., per set	0 85

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 2½ per cent.
Emery, 40 per cent.

SASH CORD.

Per lb ... 0 20 0 50

SASH WEIGHTS.

Sectional, per 100 lbs		3 25
Solid, "		1 50

SAWS.

Hand, Disston's, dis. 12½ to 15 p.c.
S. & D., 40 per cent.
Crosscut, Disston's, per ft. 0 35 0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.
Hack, complete, each 0 75 2 75
" frame only 0 75

SAW SETS.

"Lincoln," per doz ... 5 50 6 00

SCALES

Gurney Scales, 45 p.c.
B. S. & M. Scales, 45 p.c.
Champion, 55 per cent.
Fairbanks Standard, 45 p.c.
" Dominion, 60 p.c.
" Richelieu, 60 p.c.
Chatillon Spring Balances, 25 p.c.

SCREENS.

Door, patent per doz	6 00	12 00
Window, per doz	2 00	3 00

SCREW DRIVERS.

Sargent's, per doz ... 0 65 1 00

SCREWS

Wood, F. H., iron, and steel, 80 and 5 p.c.
Wood R. H., " dis. 75 and 5 p.c.
" F. H., brass, dis. 75 and 5 p.c.
Wood, R. H., " dis. 67½ and 5 p.c.
" F H, bronze, dis. 67½ and 5 p.c.
" R.H. " 62½ and 5 p.c.
Drive Screws, 82½ and 5 per cent.

Bench, wood, per doz	3 25	4 00
" iron, "	4 25	5 75

SCYTHES.

Discount, per doz. net 4 50 6 00

SCYTHE SNATHS.

Canadian, dis. 50 p.c.

SHEARS

Seymour's, dis. 50 and 10 p.c.
Heinisch, dis. 50 and 10 p.c.
Clau s, full nickel, 50 and 10 p.c.
" japanned handles, 67½ p.c. off.
Seymour or Heinisch tailor shears, 15 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SNAPS.

Harness, German, dis. 35 to 37½ p.c.		
Acme	3 00	5 00
Lock, Andrews'	4 50	11 50

SOLDERING IRONS.

1, 1½ lb., per lb	0 37
2 lb. or over, per lb	0 34

WROUGHT SPIKES.

Discount, 35 to 40 per cent.

SQUARES.

Iron, per doz	1 65	2 90

Steel, dis. 70 per cent., revised list.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p.c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

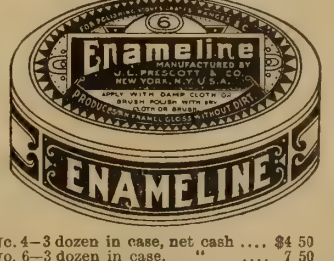
Galvanized	3 25
Bright	3 00

STOCKS AND DIES.

American dis. 25 p.c.

STONE.	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador		0 13
" Axe		0 15
Turkey		0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, per ton	15 00	18 00

Stove Polish.



No. 4—3 dozen in case, net cash ... $4 50
No. 6—3 dozen in case, " ... 7 50

STEP LADDERS.

Best grade, from 3 to 10-ft. long, per foot, 16c.
2nd grade, 3 to 10-ft., per foot, 10c.

TACKS BRADS, ETC.

	Per cent.
Strawberry box tacks, bulk ... 75 and	10
Cheese-box tacks, blued	85
Trunk tacks, black and tinned	85
Carpet tacks, blued and tinned	80
" " (in kegs)	40
Cut tacks, blued, in dozens only .. 75 and	5
" ¼ weights	60
Swedes, cut tacks, blued and tinned— In bulk ... 80 and	12½
In dozens	75
Swedes, upholsterers', bulk	85
" brush, blued and tinned, bulk	50
" gimp, blued, tinned & japanned	75
Zinc tacks	30
Leather carpet tacks	60
Copper tacks	50
Copper nails	52½
Trunk nails, black and tinned	70
Clout nails, blued and tinned	70
Chair nails	40
Cigar box nails	40
Patent brads	45
Fine finishing	45
Picture frame points	20
Lining tacks, in papers	10
" " in bulk	15
" " solid heads, in bulk, 75 and	12½
Saddle nails in papers	10
" " in bulk	15
Tufting buttons, 22 line, in dozens only	1
Tin capped trunk nails	1
Zinc glazier's points	5
Double pointed tacks, dozens ... 85 and	5
" " " bulk	40

TAPE LINES.

English, ass skin, per doz	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TINWARE.

Stamped, dis., Asso. list, 80 per cent.
Japanned, prices on application.
Pieced, prices on application.

TRANSOM LIFTERS.

Payson's per doz ... 2 60

TRAPS. (Steel.)

Game, Newhouse, dis. 40 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's, discount 10 per cent.

German, per doz	4 75	6 00
Brade's "	5 00	10 50

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb		0 21
Wrapping, mottled, per pack.	0 50	0 60
Wrapping, cotton, per lb	0 17	0 18
Mattress, per lb	0 33	0 45
Staging, "	0 27	0 35
Broom, "	0 30	0 55

VISES.

Hand, per doz	4 00	6 00
Bench, parallel, each	2 00	4 50
Coach, each	6 00	7 00
Peter Wright's, per lb	0 12	0 13
Pipe, each	5 50	9 00
Saw, per doz	6 50	13 00

WIRE.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Smooth Steel Wire, base, $3.00 f.o.b. factory points. List of extras: Nos. 2 to 5, advance 7c. per 100 lb.—Nos. 6 to 9, base—No. 10, advance 7c.—No. 11, 14c.—No. 12, 20c—No. 13, 35c.—No. 14 47c.—No. 15, 60c.—No. 16, 75c. Extras net per 100 lb.: Coppered wire, 60c.—tinned wire, $2—oiling, 10c.—special hay-bailing wire, 30c.—spring wire, $1—best steel wire, 75c.—bright soft drawn, 15c.—in 50 and 100-lb. bundles net, 10c.—in 25-lb. bundles net, 15c.—packed in casks or cases, 15c.—bagging or papering, 10c.
Fine Steel Wire, dis. 17½ per cent. factory. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, $7.65—No. 24, $8—No. 25, $9—No. 26, $9.50—No. 27, $10—No. 28 $11—No 29, $12—No. 30, $13—No. 31, $14—No 32, $15 No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31, $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.40—No. 9, $2.90—No. 10, $3.50—No. 11, $3.55—No. 12, $3 05—No. 13, $3.15—No. 14, $3 9 —No. 15, $4.50—No. 16, $4.65.

Broom Wire, per lb	0 05	0 05½
Clothes Line Wire, 19 gauge, per 1,000 feet		3 30

WIRE FENCING.

	F.O.B Toronto
Galvanized, 4 barb, 2¼ and 5 inches apart	3 25
Galvanized, 2 barb, 4 and 6 inches apart	3 25
Galvanized, plain twist	3 25

Terms, 2 per cent. in 10 days.

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 70 to 70 and 10 p.c.
Standard, dis. 60, 60 and 10 per cent.
Coe's Genuine, dis. 30 to 32½ p.c.
Diamond dis. 33⅓ to 35 per cent.

Towers' Engineer, each	2 00	7 00
" S., per doz	5 80	6 00
G. & K.'s Pipe, per doz		3 40
Burrell's Pipe, each		3 00
Pocket, per doz	0 25	2 90

WRINGERS.

Leader ... per doz.	$60 00	
Royal Canadian "	58 00	
Royal American "	48 00	

Discount, 45 per cent.; terms 4 months, or 3 p.c. 30 days. Prices are f.o.b. London, Hamilton, Toronto, Brockville or Montreal.

D. F. Jones Manufacturing Co. Limited, of Gananoque, Ont.

Established 1852.

Shovels
Spades
Draining Tools

TRADE MARK. J D.F.J.MF'G.CO.

Grain and Coal Scoops and Miners' Shovels

The only Canadian manufacturers of Plain Back Shovels and Spades **THAT ARE SOLID,** without weld, and graduated from socket to point, and from centre to sides, of blades.

All our goods have trade mark on the handle.

McCaskill, Dougall & Co
Tins Varnish & Japan
Manufacturers.
Montreal
Price Lists on application

"THE BEST IS CHEAPEST."

Buy McMullen's unequalled

Poultry Netting

—and—

Fencing.

Made by

The Ontario Wire Fencing Co.
Limited
PICTON, ONT.

For sale by The Canadian Hardware Jobbers; The B. Greening Wire Co., Hamilton and Montreal, General Agents, and James Cooper, Montreal, Agent for Railway Fencing. (20)

THE OAKVILLE BASKET CO.,



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Grain
AND
Root
BASKETS

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Pumps

Force, Lift and Cistern Hand and Power.

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DIAMOND BRAND



WIND GUARDS,
CHIMNEY TOPS,
FLUE LININGS,

CULVERT PIPES,
SEWER PIPES,
INVERT BLOCKS.

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Square and Reservoir.

The James Stewart Manufacturing Co.
LIMITED
WOODSTOCK, ONT.

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Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve Medals

Awarded
By **JURORS** at
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Special Prize
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TO INSURE COMFORT AND SAFETY

...USE...

"Maltese Cross" Inner Tubes

AND

RIDE

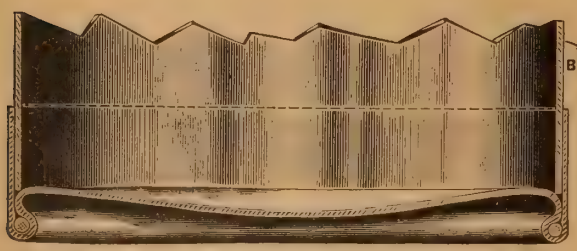
HARTFORD TIRES

The Toronto Rubber Co.

Limited

185 Yonge Street - TORONTO, CANADA

USE THIS KIND of Milk Can Trimmings



Section of bottom showing body in place.



The bottom is made of

ONE PIECE OF HEAVY STEEL.

(Patent applied for.)

Dirt has No Place to Lodge.

No Sharp Edges to Tear the Flooring.

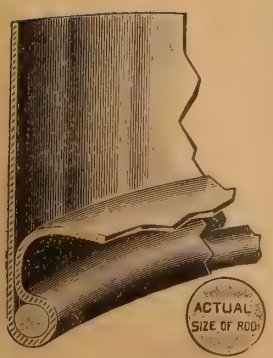
No Hoops to Break or Tear Away.

Easy to Draw Over the Floor when Can is Full.

Everything Runs to the Centre, making them Easy to Clean.

No Abrupt Corners for Milk to Sour in.

" See the samples our travellers are carrying before placing your orders. . . .



Section of bottom showing rod in place. Being dipped in tin with the bottom it makes it as one solid piece.

EVERY PART HEAVILY TINNED

The longest-wearing and most satisfactory trimmings to use.

The McClary Mfg. Co., **London. Toronto. Montreal. Winnipeg. Vancouver.**

EQUIVALENT TO COST.
Langwell's Babbitt
--Montreal.

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HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XI. MONTREAL AND TORONTO, SEPTEMBER 2, 1899. NO. 35



Magnolia Metal

Best Anti-Friction Metal for all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up in bars, of which this is a

FAC-SIMILE.

The name and trade mark appear on each box and bar and besides this, the words "Manufactured in United States" and "Patented June 3, 1890" are stamped on the under side of each bar.



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The Dominion Radiator Company
(LIMITED)

DEALERS in the most complete line of

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Steam Traps
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Brass and Iron Valves.

RICE LEWIS & SON
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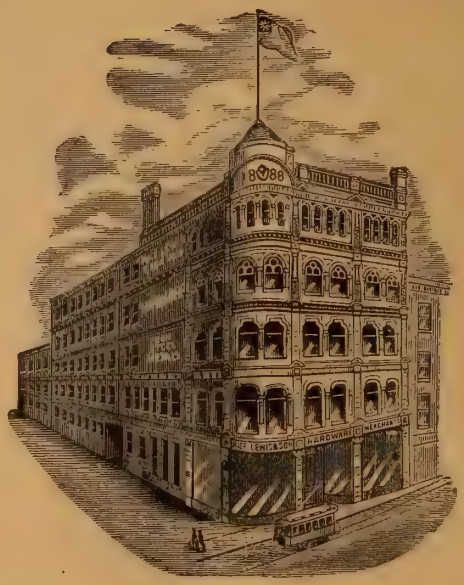
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Boiler Plate

Shelf and Heavy

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MANTELS
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Cutlery . .

FINE BUILDERS' HARDWARE.

Cor. King and Victoria Streets ...TORONTO

SAVAGE REPEATING RIFLE

.303 CAL.



Hammerless
Smokeless
Six-Shooter

New 1899 Model

AGENTS:
Winnipeg, J. H. ASHDOWN
Toronto, RICE LEWIS & SON
Quebec, CAVERHILL, LEARMONT & CO.

LATEST and FINEST Rifle manufactured.

Write for complete Catalogue W.

SAVAGE ARMS CO., Utica, N.Y., U.S.A.

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Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.

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NEW YORK OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

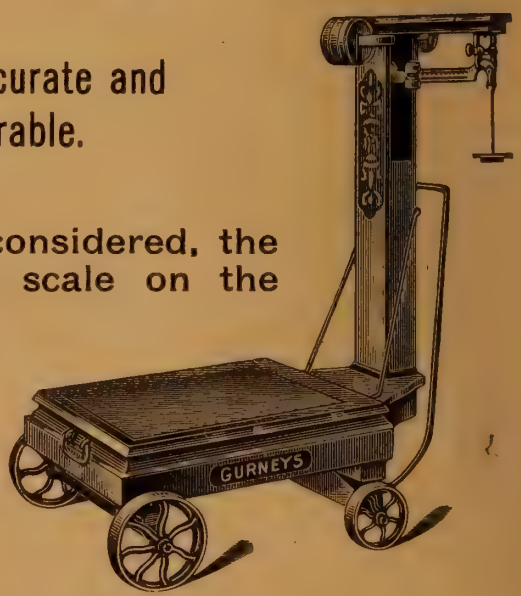
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Accurate and Durable.

Quality considered, the cheapest scale on the market.



A complete stock of Scales carried in Montreal by our Agent, WALTER GROSE.

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Hamilton, Ontario, Canada.



The Leader Lawn Swing

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Capital, $1,500,000.00 MONTREAL

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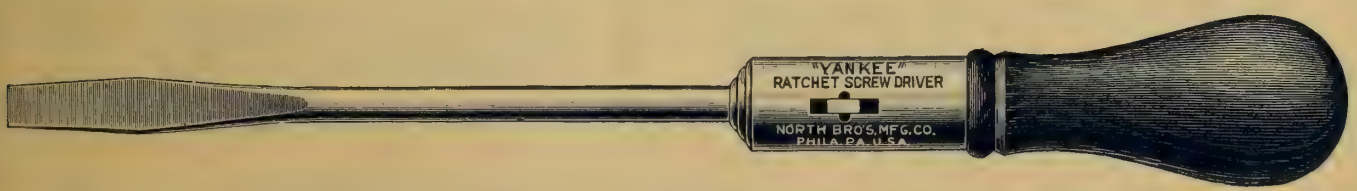
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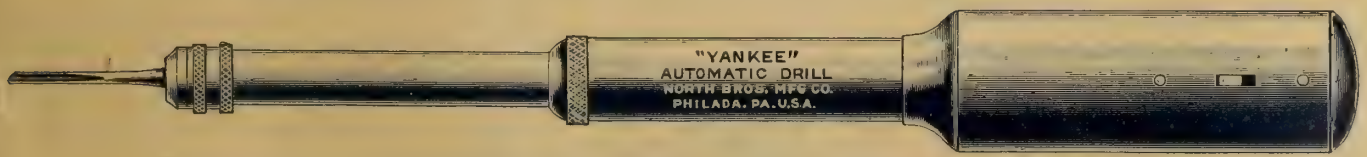
are sold by Leading Jobbers throughout the Dominion.



No. 10 RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.



No. 130 SPIRAL-RATCHET SCREW DRIVER.



No 40 AUTOMATIC DRILL.

FREE A handsome lithographed and embossed Sign in colors, on tin, to dealers handling these tools. Separate sign for each tool. Write at once which sign is wanted and it will be mailed post paid.

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possess a peculiar toughness adapting them for the HARDWARE TRADE.

The long fibre we make them of is responsible for this.

SEND FOR A SAMPLE ORDER

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Binder Twine

We are offering special inducements in Binder Twine. If you want any it will pay you to write us for prices.

LEWIS BROS. & CO.

30 St. Sulpice St., MONTREAL.

BINDER TWINE.

There is none "just as good."

Pure Manila 650-ft. to the lb.

Blue Ribbon

Special Manila

Tiger

Standard

These Twines will not bunch at the knotter, and a Binder will run all day with them without stoppage, thus saving time, annoyance and an endless lot of trouble.

We pack our twine in bags of the size of ordinary grain bags and are not ashamed to put our name upon them. Don't take any other.

Consumers Cordage Company, LIMITED, Montreal.

For "RUSH ORDERS" and the accommodation of our customers we carry a stock at our Toronto Branch: WM. B. STEWART, Agent, 27 Front St. West.

Canada Plates

18 x 21 x 60 Sheets, Half-Bright
18 x 24 x 52 Sheets, Half-Bright
18 x 24 x 60 Sheets, Ordinary
18 x 24 x 75 Sheets, Ordinary
20 x 28 x 41 Sheets, Ordinary
18 x 21 x 60 Sheets, "Alaska"
18 x 24 x 52 Sheets, "Alaska"

(The best All-Bright Plates on the market.)

M. & L. Samuel, Benjamin & Co.

ENGLISH HOUSE:
Samuel, Sons & Benjamin
64 Fenchurch Street, London, E.C.

26 to 30 Front St. West TORONTO.

YOU WILL FIND OUR EXHIBIT

In our own commodious showrooms

500 KING STREET WEST.

As in former years, we find it expedient to receive our friends and all who are interested in Cooking and Heating Goods of every description, under our own roof—instead of making any display on the Exhibition Grounds.

We can show many different lines to better advantage here—and you can inspect them in greater comfort.

We will give everyone a cordial welcome—and know we can interest you.

The GURNEY FOUNDRY CO., Limited

All Ex. Cars pass our doors. 500 King St. West, TORONTO.

REGISTERED TRADE MARK

ISLAND CITY

PURE WHITE LEAD
PURE WHITE PAINT
READY-MIXED PAINT
FLOOR PAINT

Are demanded by the best trade.

P. D. DODS & CO.

100 Bay Street, TORONTO. 188 and 190 McGill Street, MONTREAL.

WOOD, VALLANCE & CO.,

Iron Merchants.

Importers of British and Foreign

HARDWARE

HAMILTON, ONT., Canada.

Toronto Office:

☞ **88 York Street.**

HARDWARE BUSINESS FOR SALE.

Established twenty years on Main St., Winnipeg, Mantoba. Satisfactory reasons for selling. First-class stand with all modern fittings — unexpired lease. Apply to CAMPBELL BROS.. Winnipeg, Manitoba. (tf)

FOR SALE.

A NEW MARLIN RIFLE

Never been used. Just the Rifle for practice. Price $30. Will take $20.

19 Board of Trade, Montreal

29 Years. Established 1870. 29 Years

SEASONABLE GOODS AT RIGHT PRICES.

Barbed Wire Fencing; Agricultural Implements; Bradley Tin; Builders' and Cabinet Makers' Hardware. **Special**—A full line of Tinsmiths' Tools and Machinery—latest improvements.

SEYBOLD, SON & CO. - MONTREAL.

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Heavy Hardware and Metal Broker
Room 220½ Board of Trade, MONTREAL.

SPECIALTIES—**C** Brand Horse Nails—Canada Horse Nail Co.

BOLTS—Tire and Stove Rivets of all kinds—Chalcraft Screw Co.

BRASS GOODS—Gunn Castor Co., Limited, Birmingham, Eng.

Deseronto Iron Co.

LIMITED

DESERONTO, ONT.

Manufacturers of

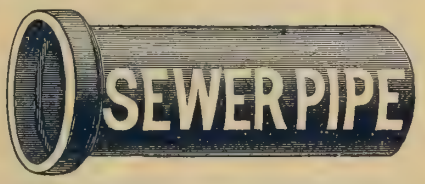
Charcoal Pig Iron

BRAND "DESERONTO."

Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

FULL STOCK

DIAMOND BRAND



WIND GUARDS, CHIMNEY TOPS, FLUE LININGS,
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Manufactured by the

HAMILTON AND TORONTO SEWER PIPE CO.

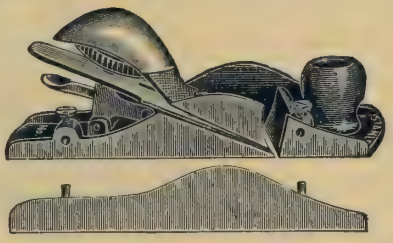
Hamilton, Ontario. Limited

IMPROVED
Labor-Saving
CARPENTERS'
TOOLS.

STANLEY
RULE & LEVEL CO.
New Britain, Conn.

SOLD BY ALL
Hardware Dealers.

STANLEY'S RABBET AND BLOCK PLANE.



A detachable side will easily change this Tool from a Block Plane to a Rabbet Plane, or *vice versa*. The cutter is set on a *skew*.

No. **140**. Rabbet and Block Plane, with detachable side, 7 inches in length, 1¾ inch cutter $1 25

The Brand

May not have received from you the attention it deserves in purchasing Horse Nails. It is, however, worthy of your best consideration. The "**C**" brand on a box of our Nails, has the same relation to their quality, as the Artist's name has to a painting, determining at once its merits and value. The continued popularity of our Horse Nails in Canada, since 1865, has fully established their claim to be the best. Our name and brand is on each box. The cost is the same as others.

Canada Horse Nail Company,
MONTREAL.



PAINT BRUSHES

THAT ARE WELL FINISHED AND MAKE ATTRACTIVE SHELF GOODS

ARE

REQUIRED

BY EVERY PROGRESSIVE HARDWARE STORE

IN CANADA

THEY ARE MADE FROM CAREFULLY SELECTED MATERIALS, AND FULLY GUARANTEED BY THE MANUFACTURERS. PUT UP IN STRONG CARDBOARD **BOXES** AND NEATLY LABELLED.

BOECKH BROS. & COMPANY
MANUFACTURERS, TORONTO, ONT.

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80 and 88 York St. and 12 Clarence St.

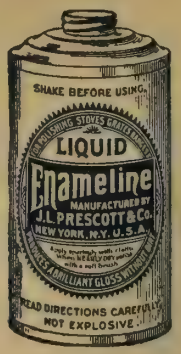
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Enameline

The Modern STOVE POLISH



PASTE.



LIQUID.



CAKE.

We present herewith cuts showing the three different forms of package in which Enameline is put on the market. The enormous amount of advertising being done to familiarize housekeepers with the name enables merchants to make quick sales. Don't load up with unknown brands—that's dead stock.

J. L. PRESCOTT & CO., New York.

Use Syracuse Babbitt Metal

IT IS THE BEST MADE



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds Machinery Bearings.

PIG TIN, LEAD, INGOT, COPPER, BRASS, NICKEL, ALUMINUM, ZINC SPELTER ANTIMONY, ETC., FURNISHED PROMPTLY.

Factories: { 332 William St., MONTREAL, QUE. and SYRACUSE, N. Y.

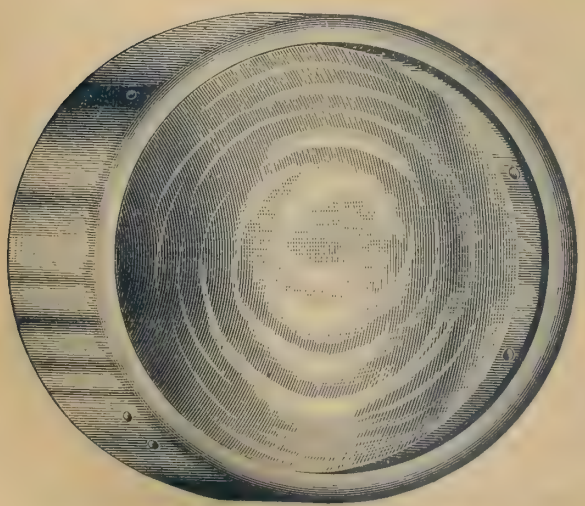
Syracuse Smelting Works

Kemp's Broad Hoop, Roll-Rim Milk Can Bottoms.

Introduced to the Trade in

1898

and generally pronounced to be the best ever offered.



The Broad Hoop, Roll-Rim Milk Can Trimmings

have been improved for season of

1899

and will be found to be the strongest, and therefore the most serviceable.

KEMP MANUFACTURING CO.,

TORONTO.

HARDWARE AND METAL

Vol. XI. MONTREAL AND TORONTO, SEPTEMBER 2, 1899. No. 35

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WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

MONTREAL PRICES ON IRON PIPE.

MONTREAL at present is the cheapest market in the world for the purchase of iron pipe, for, while the feeling generally is strong, and prices elsewhere are tending upward, jobbers in Montreal are still quoting figures which are below the regular market value.

For instance, one-inch black pipe is still selling at $5.20 in Montreal, when it could not be imported under $8.75, the net cash price in the States being 6⅓c. per foot.

As a result of this condition, some jobbers have felt disposed to take advantage of the strength, and are asking rather higher prices this week. But, as some of the largest handlers are still quoting on the old basis, we retain it in our regular market quotations.

The two scales compared show a difference of from 10 to 48c., as will be noted:

Black pipe	New scale.	Old scale.
⅛ to ⅜ inch	$ 3 25	$ 3 12
½ inch	3 40	3 25
¾ "	3 85	3 75
1 "	5 25	5 20
1¼ "	6 90	6 85
1½ "	8 65	8 75
2 "	11 50	11 02

HEAVY MATERIAL ADVANCING.

The upward tendency of values at producing points in the United States continues unabated in heavy material.

Notable changes this week are a further rise of $1.50 per ton in billets and slabs at Pittsburg to $37 to $38, the same goods selling this time last year at $16 per ton, or over 50 per cent. less money.

Sheet steel bars have had a still sharper jump of $1 to $3 per ton, now standing at $39 to $40, as against $18.10 for the same time in 1898. Ferro manganese has leaped a clean $10 on the week to the even $100 at Pittsburg, while an advance of $1 per ton is asked on old iron rails, and $4.50 per ton on old steel rails at the same point, the figures being $22.50 and $20.50, respectively.

This steady advance in the cost of old material shows what straits makers are put to to procure supplies of furnace material.

ADVANCE IN "GLOBE" FILES.

Files and rasps manufactured by The Globe File Mfg. Co., Montreal, have been advanced 10 per cent. in price, and the fixed discount to the retail trade is now 60 and 10 to 70 per cent.

The firm has been induced to make the change on account of the increased cost of labor and raw material.

INCREASED COST OF COIL CHAIN.

While values have been steadily advancing at producing points, the jobbing basis on coil chain has been maintained at the old level, especially in Montreal, where several houses are still selling at unchanged prices. That they will continue to do so for any length of time, however, is unlikely, for the reason that it would cost a material advance to import fresh supplies.

In fact, based on the increased cost, the selling basis on coil chain should be as follows, compared with the old, and it is likely to be before the new week begins:

No.	New Scale.	Old Scale.	Rise.
6	11¾	10¾	1
5	10¼	9¼	1
4	9¼	8¼	1
3	8¼	7¼	1
¼ inch	$7 00	$6 00	$1 00
5-16 "	5 75	4 75	1 00
⅜ "	5 25	4 25	1 00
7-16 "	5 10	4 10	1 00
½ "	5 00	4 00	1 00
9-16 "	4 50	3 95	55
⅝ "	4 25	3 85	40
¾ "	4 15	3 65	50
⅞ and 1 inch	4 10	3 55	45

DISCOURAGEMENT IN BUSINESS.

Dissatisfaction is not a bad quality. On the contrary, when present in a moderate degree, it is beneficial.

When a merchant or a clerk is completely satisfied, he is no longer ambitious to improve his business or his condition. And, like an engine without steam, he comes to a standstill. Next stage is decay.

But excess of dissatisfaction produces discouragement. And then, instead of being impelled forward, most men experience the opposite results.

Ever aim to reach a higher notch—to make your business or your position better. "If at first you don't succeed, try, try again," as an old maxim has it. You may not reach all the notches your eye is upon; but, by trying, you reach those you otherwise would not.

TEN YEARS OF TINPLATE IMPORTS

THERE is probably nothing more interesting in commercial history than the extraordinary effect the Customs tariffs have had upon the importation of tinplates into the United States. We have reached this conclusion after perusing figures recently issued by the Bureau of Statistics, Washington, giving the imports of tinplates for the past 10 years.

The following table shows the imports of tinplates into the United States in quantities and values :

Year.	lb.	$
1890	680,060,925	20,928,150
1891	1,036,489,074	35,746,920
1892	422,176,202	12,315,562
1893	628,425,902	17,565,640
1894	454,160,826	11,969,518
1895	508,038,938	12,144,080
1896	385,138,983	8,950,656
1897	230,073,683	5,344,638
1898	171,662,345	3,809,148
1899	108,484,826	2,613,564

The large quantity imported in 1891 was due to the heavy importations made prior to the going into force of the McKinley tariff. The figures for 1890 were normal for the years preceding the high tariff on tinplates. Although the McKinley tariff went into operation in October, 1891, the clause putting the high duty on tinplates did not go into effect till July 1, following.

The rate fixed by the McKinley bill was 2 1-5c. per lb. In 1894 the Wilson tariff reduced the duty 1c. per lb., making it 1 1-5c. per lb. But when the Dingley tariff came into operation in 1897 the rate was slightly increased, being fixed at 1½c. per lb., where it still remains.

The development of the tinplate industry in the United States is reflected in the multiplicity of mills as well as in the falling off in the imports of foreign plates, for a year ago it was the opinion among those who were qualified to speak upon the matter that the industry had reached a stage where overproduction was not far distant. That, for the time being at any rate, has apparently been postponed by the formation of the American Tinplate Trust, which now controls the output of tinplates in the United States.

IMPORT ORDERS OF GLASS.

There is a steady, though moderate, arrival of window glass for delivery at Canadian points. Some jobbers, however, have been unable to secure any shipments at all, so far. It is generally expected, however, that all deliveries will be made before the close of navigation.

As a general rule, the first deliveries of import orders are made soon after the opening of navigation and the last of them before July 1.

Though the strike in Belgium somewhat curtailed the production, there can be no question, judging from the way prices have stiffened and the difficulty that has been experienced in getting orders, that the demand from the world in general has been very much in excess of the demand of previous years. Canada gave her share in the increase of orders.

WIRE NAILS FIVE CENTS DEARER.

STILL another advance in the price of wire nails is announced. It is, however, only a modest one of 5c. per keg.

The price f.o.b. Toronto, is now $2.87½ per keg for carloads and $2.90 for less than carloads.

The price, however, is still below the parity of the American market, duty considered. For instance, according to Iron Age, of August 24, the price f.o.b. Pittsburg was $2.75 per keg to retailers in less than carload lots. This, with the Canadian duty added, would mean $3.35 without considering freight.

Iron Age, of the issue already referred to in commenting upon the wire nail situation, said : "The tone of the market is very strong, and, in view of the rapidly advancing prices for raw material, still higher prices for nails are probable. It is pointed out that rods are close to $45 per ton, and, as only 21 kegs of nails can be made from a ton of rods, the cost of the rods alone is all of $2 per keg, which leaves only 50c. for drawing the wire and cutting the nails."

According to advices received in Toronto just as we go to press, the price of plain wire, galvanized, plain twist and barbed wire has been advanced $2 per ton, making quotations f.o.b. Cleveland $3 per 100 lb. for barbed and plain twist, and $2.75 base for plain wire. The usual rebate on carload lots at one shipment brings the price 10c. per 100 lb. less. Whether wire nails have also been advanced we are unable at the moment to ascertain. They probably have.

TIMELY WINDOW DISPLAYS.

Now is the time to make displays of guns, rifles, ammunition, etc. The open season for shooting ducks started yesterday, September 1. This will keep the sports busy until the deer season opens in a few weeks.

It is reasonable to expect that sportsmen will spend more money than usual this year, so it might be well to make a special push with their requisites this year. A good display was to be seen this week in the stor of a Toro nto retailer. At the back of the window were four small kegs, each keg containing a separate brand of powder. Two rows of guns and rifles were arranged along the side of the window. In the centre space were blank cartridges, powder flasks, bags of shot, and miscellaneous articles and material such as are used by sportsmen. Most of the smaller articles were ticketed at close prices.

Another good display is made by a shrewd King street dealer. Recognizing the fact that a great many Exhibition visitors are likely to notice a good display in his window, he has one window arranged as a stand with steps rising from the front and the doorway side towards the back wall corner. On this he has displayed cutlery, snaps, rules, etc. These are all small articles which could be carried away in the pocket. As they are all price-ticketed, and are goods that nearly everybody has use for, many sales are made from their display. This would be worth trying during the fall trade.

It is an established custom in this latter store that, while goods are being wrapped up for customers attracted by a window display, the clerk draws attention to one or another of the good values offered at the time.

DELEGATES TO THE MARITIME BOARD OF TRADE.

Through some inadvertence, the names of the Kentville, N.S., delegates to the Maritime Board of Trade, published in last week's issue, were ascribed to Halifax, while the names of the Halifax delegates did not appear in the list at all. The Halifax delegates were Messrs. J. E. De Wolfe and C. M. Creed. In the report of the proceedings, however, the names of the delegates appeared as they spoke upon the various questions which came up for consideration.

THE PRICE OF CANADIAN VS. U. S. STOVE BOLTS.

HARDWARE AND METAL a few weeks ago pointed out in an editorial article that the prices of screws of Canadian manufacture were below those ruling in the United States. The same might be said of flat head stove bolts, only in a more marked degree.

Taking, for instance, the most salable sizes, namely, 3-16x¾ and ¼x1 inch, we find there is a difference in favor of Canadian made flat head stove bolts of 22 per cent., without taking into consideration the duty, which is ¾c. per lb. and 25 per cent.

Here are the two lists given in comparison :—

Length.	5-32 Inch.		3-16 Inch.		7-32 Inch.		¼ Inch.		5-16 Inch.		⅜ Inch.	
	Can.	U.S.	Can.	U.S.	Can.	U.S.	Can.	U.S.	Can.	U.S.	Can.	U.S.
⅜ Inch.	$0 60	$0 75	$0 60	$0 75	....	....	....	....	....	....	....	....
½ "	60	75	60	75	$0 62	$0 80	$0 65	$0 85	....	....	....	....
⅝ "	60	75	60	75	62	80	65	85	....	....	....	....
¾ "	60	75	60	75	62	80	65	85	$1 05	$1 20	$2 20	$2 25
⅞ "	65	80	65	80	67	85	70	90	1 10	1 30	2 20	2 30
1 "	65	80	65	80	67	85	70	90	1 10	1 30	2 20	2 35
1⅛ "	70	85	70	85	72	90	75	95	1 15	1 40	2 20	2 45
1¼ "	70	85	70	85	72	90	75	95	1 15	1 40	2 20	2 45
1⅜ "	75	90	75	90	77	95	80	1 00	1 20	1 50	2 20	2 55
1½ "	75	90	75	90	77	95	80	1 00	1 20	1 50	2 20	2 55
1¾ "	80	95	80	95	82	1 00	85	1 05	1 25	1 55	2 20	2 65
2 "	85	1 00	85	1 00	87	1 05	90	1 10	1 30	1 60	2 20	2 75
2¼ "	..	..	90	1 05	92	1 10	95	1 15	1 35	1 65	2 30	2 85
2½ "	..	..	95	1 10	97	1 15	1 00	1 20	1 40	1 70	2 40	2 95
2¾ "	..	..	1 00	1 15	1 02	1 20	1 05	1 25	1 45	1 75	2 50	3 05
3 "	..	..	1 05	1 20	1 07	1 25	1 10	1 30	1 50	1 80	2 60	3 15
3¼ "	..	..	1 10	1 25	1 12	1 30	1 15	1 35	1 55	1 85	2 70	3 25
3½ "	..	..	1 15	1 30	1 17	1 35	1 20	1 40	1 60	1 90	2 80	3 35
3¾ "	..	..	1 20	1 35	....	....	1 25	1 45	1 65	1 95	2 90	3 45
4 "	..	..	1 25	1 40	....	....	1 30	1 50	1 70	2 00	3 00	3 55
4¼ "	..	..	1 30	1 45	....	....	1 35	1 55	1 75	2 05	3 10	3 65
4½ "	..	..	1 35	1 50	....	....	1 40	1 60	1 80	2 10	3 20	3 75
4¾ "	..	..	1 40	1 55	....	....	1 45	1 65	1 85	2 15	3 30	3 85
5 "	..	..	1 45	1 60	....	....	1 50	1 70	1 90	2 20	3 40	3 95
5¼ "	..	..	1 50	1 65	....	....	1 55	1 75	1 95	2 25	3 50	4 05
5½ "	..	..	1 55	1 70	....	....	1 60	1 80	2 00	2 30	3 60	4 15
5¾ "	..	..	1 60	1 75	....	....	1 65	1 85	2 05	2 35	3 70	4 25
6 "	..	..	1 65	1 80	....	....	1 70	1 90	2 10	2 40	3 80	4 35
6¼ "	..	..	1 70	1 85	....	....	1 75	1 95	2 15	2 45	3 90	4 45
6½ "	..	..	1 75	1 90	....	....	1 80	2 00	2 20	2 50	4 00	4 55

The discount off the Canadian list is 60 and 10 per cent. and off the United States list, according to a recent change, 65 per cent.

In regard to round head stove bolts the prices are practically the same in both countries.

U. S. FILES 10 PER CENT. HIGHER.

Jobbers in Canada are in receipt of circulars from the manufacturers in the United States announcing an advance of 10 per cent. in the price of files and rasps. The circulars state that on and after date of notification all orders received will be charged 10 per cent. advance on the gross list, and this amount will be subject to the same discount as before.

It is expected that the makers will shortly issue a revised list, but in the meantime they are adopting the present method of getting higher prices.

YALE GOODS ADVANCE.

Night latches, store door locks, Yale blanks, and some other lines have been advanced in price by The Yale Lock Manufacturing Co. of New York. The advance is about 20 per cent.

ADVANCE IN STOVE PIPES.

An advance of 50c. per 100 lengths has been made this week in the price of stove pipes. Quotations are now as follows : 5 to 6 inch, $6.75 ; 7 inch, $7.25 per 100 lengths.

SMALL TOOLS DEARER.

Manufacturers in England of small tools have notified their agents in Canada of an advance of 5 per cent. in prices. The reason they advance for the higher figures is general increase in the cost of raw material.

AN EMBRO HARDWAREMAN.

Mr. William J. Geddes, hardware and tinware merchant, Embro, Ont., is in Toronto this week, chiefly for the purpose of visiting the Exhibition.

"Trade is good," he enthusiastically said, "and particularly in tinware."

In referring to the upward tendency of prices in hardware, Mr. Geddes stated that he had not only bought wire nails when the price was low, but that he had followed the market in his selling price. "But there are no good profits in binder twine like there were last year," he added, "and it will probably be a good many years before there are."

PUSH THE BEST GOODS.

EVERY hardwareman should keep in his store low-priced as well as high-priced goods, but where some make the mistake is in bringing the former forward as a substitute for the latter.

It is the high-priced goods that give, as a rule, the best satisfaction to the purchaser, and also the best results to the seller. Naturally, therefore, these are the goods which should be pushed. That they are not always is well known.

Time and again, when a customer asks to see a certain line of goods, the clerk will submit the cheapest line there is in the store, instead of beginning with the highest-priced and working down to the lowest, if necessary.

While every man must use his own judgment, it is not wise to suppose from appearances that the cheaper the goods the better they will suit the customer. Unless the customer asks for the lowest priced article in a certain line it is the wisest thing, as a rule, not only to offer the best, but to show why it is the best. But, of course, if it is the cheapest that a customer will have, it is unwise to be overpersistent in pushing forward the high-priced article.

WHITE ENAMELED WARE DEARER.

Enameled white ware has gone the way of a great many other lines appertaining to the hardware trade, the manufacturers having this week announced an advance of about 5 per cent.

The discount is now 50 per cent. instead of 50 and 5 per cent.

While other lines of enameled ware are unchanged, quotations are naturally firmer in sympathy.

ADVANCE IN STOVE RODS.

Stove rods, like stove bolts, are higher, there having been a general advance in prices. The ruling quotations are now 5½ to 6c. per lb.

The demand for stove rods at the moment is exceedingly good.

LIGHTING BY ACETYLENE.

By Fred D. Johnson.

ACETYLENE is a nearly pure hydrocarbon, giving in combustion about 13 times the intensity of light produced by coal gas and consuming about one-seventeenth the volume of oxygen required by the latter. In its spectrum it approaches sunlight more nearly than any other artificial illuminant known, and, therefore, gives a diffused light, free from hard shadows, and does not falsify colors.

Acetylene has been in general use for over three years, and from Norway to South America. Its first exploitation, in the 80's, was in its liquid form, under a pressure of from 600 to 700 lb. per square inch, and resulted disastrously ; but Wilson's discovery of the means of producing its base, calcic carbide, at a commercially practicable cost was too valuable to lie fallow. Persistent experiment in Germany, France and England, as well as in the United States, soon demonstrated the fact that the gas was harmless enough, except under very high pressures. It was further shown that the best method of utilizing the new illuminant was to generate it only as used ; consequently storage, and therefore compression, was abandoned. Acetylene mixed with oil gas is now extensively used in Germany, under a pressure of 60 lb. per square inch. It is also used by the Canadian Pacific Railway unmixed.

SEVERE TESTS BY PINTSCH.

To determine once for all whether acetylene could be exploded under even extreme conditions, the Messrs. Pintsch, of Berlin, whose system of compressed gas-lighting is is in use on nearly all first-class railroads in this country, tried the following interesting and conclusive experiment :

The corrosion of certain metals by acetylene, notably silver, copper, and their alloys, it was alleged, would form acetylides that were dangerously explosive. The Messrs. Pintsch filled five cylinders with gas at from 135 to 150 lb. pressure per square inch, two with acetylene, two with acetylene and coal gas, and one with acetylene and oil gas. Strips of the proscribed metals, between wood blocks to prevent contact, were placed in each and a little water added, to help along the anticipated corrosion. These cylinders were exposed upon a shed roof from April, 1895, to July, 1896. They were then taken down and submitted to hammering and roasting, but without result. When opened, no acetylides were found. There was but a slight corrosion, due wholly to ammonia, which is present in all illuminating gases. So much for corrosion.

A STATEMENT BY AN AUTHORITY.

Prof. Vivian Lewes, Chief Inspector of Gas for the Corporation of London, and Professor of Chemistry at the Royal Naval College, Greenwich, England, says that the action of acetylene upon brass and copper may be safely neglected in practice, and that no danger accrues from the use of the ordinary fixtures. The same eminent authority stated, in a recent lecture before the Society of Arts, London, that the calcic carbide now produced is so nearly pure that the most noxious of its impurities, phosphureted hydrogen, is found only in an infinitesimal percentage. This and sulphureted hydrogen and ammonia are the only impurities that we need consider, and, as their united volume is only one part in 500, they are not very formidable.

TOXIC PROPERTIES.

The toxic properties of acetylene are chiefly due to the above impurities and are less dangerous than those of coal gas. Their presence is manifested by an offensive and pungent odor, by which leaks are readily detected. Aside from this the volume of acetylene required to produce a light equivalent to that of coal gas is so small that its presence in a room is discovered long before enough has escaped to be a source of danger in any way.

One 25 candle-power light, were the burner left open, would take 2,000 hours to entirely replace the air in a room 10x10 feet, and 60 hours to add enough gas to the air contained in such a room to ignite very feebly. The would-be suicide would starve to death before asphyxiation came to his relief.

CALCIC CARBIDE.

Calcic carbide, from which acetylene is released upon contact with water, is a hard crystalline substance, much resembling coke, but heavier. It is produced by the fusion of lime and carbon (coke) in an electric furnace. The largest plant in the United States is at Niagara Falls, which has a capacity of 200 tons a day. Other plants in the United States and Canada, England, Germany, France, Spain, and even Bosnia, are doubling and trebling their capacities ; the aggregate investment being over $20,000,000.

It may be seen from this that the experimental stage is long past. The industry is simply a development of electrical science whereby more light is produced from a given weight of coal than by any means before employed.

Acetylene is set free from calcic carbide in the proportion of about five cubic feet of the gas to 1 lb. of carbide, the maximum possibility being 5.6 feet per lb. This may be effected in several ways, but for various technical reasons the plan in almost universal practice is to place the carbide in a tight vessel and feed the water to it through a valve controlled automatically by the rise and fall of the gas-holding tank or gasometer.

GENERATORS.

A generating apparatus consists of the generator proper, the gasometer or reservoir, usually proportioned to contain about one hour's supply, and an intermediate purifying and condensing chamber. There are innumerable patents and almost any tin shop makes some kind of a "gas machine." Here lies the danger.

Certain conditions are indispensable to an efficient and safe apparatus and they are perfectly simple and easily understood. It will be readily seen that they are also absolutely imperative, both for safety and economy.

1. Since a high pressure is to be avoided, and is entirely unnecessary, the apparatus should be so designed that a maximum of 3 inches water gauge, equal to about 1-10 pound pressure (Lewes gives 20 inches as a maximum) should never be exceeded, or if it is shall be promply relieved without the intervention of purely mechanical devices.

2. The generator must never be closed against the reservoir and atmosphere at the same time ; it must be open to one or the other. Its means of communication with the air should be through a vent pipe, which may be used in common with that from the reservoir.

3. The communication between the generator and reservoir must be open in one direction only, from generator to reservoir, and automatically closed in the reverse direction.

4. As there is always an after-generation of gas, due to condensation of surplus water vapor, the water feed should be cut off the instant that the reservoir begins to rise ; for this is the point at which more gas is beginning to be liberated than is being consumed at the burners. The heat evolved in the generation of gas vaporizes the water, part

WIRE NAILS
TACKS
WIRE
Prompt Shipments
The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

of this vapor being carried off by the gas and removed by the condenser, and part, being left in the generator, condenses there, reacting on fresh carbide. This process is repeated so long as any moisture remains in the generator. The reaction is quite sufficient to leave a small reserve in the reservoir after consumption has ceased, even when the water supply is cut off, as above noted, at the beginning of the overproduction.

5. The apparatus must not be dependent on soldered joints and must be so constructed that it will withstand a high temperature without developing weakness. A temperature that will melt solder, 360 deg. to 475 deg., will not decompose acetylene and might easily be reached in case of a nearby fire which would not necessarily be dangerous to a riveted, screwed or clamped joint. Acetylene requires an admixture of an equal volume of air to ignite at 832 deg., and a properly-constructed tank full of it might easily withstand a much higher temperature without resulting explosion.

6. For the foregoing reason care must be taken to prevent the presence of air in the apparatus in sufficient proportion to support combustion.

7. Generation may be very rapid under some conditions, as when lights are first started in large number. For this reason the piping forming connections between the generator and condenser, reservoir and vent system should be of large calibre, much in excess of the theoretical requirement based on consumption per hour. The above conditions are easily attainable, but cannot be obtained without careful study in designing and the unstinted use of good material and careful workmanship in construction.—The Metal Worker.

BRISTLES.

The Siberian bristle industry has been seriously affected, because the majority of those firms engaged in manufacturing the product are badly crippled on account of the scarcity of labor. To such an extent has that industry been interfered with that it is said this year's output will be less than two thirds of the normal. This opens up to the American hog a destiny beyond lard, bacon and ham. For years, Russia or, rather, Siberia, has been the home of the hog that produces the great "okatka," the bristle from which brushes are made. Next year's collection of the raw bristles will be less than one half of the usual quantity, and as the tendency of late years in the brush trade has been towards the use of higher grades of goods, and as almost 80 per cent. of this class of goods comes to the American market, the price cannot fail to be affected.

ADD TO YOUR EXPERIENCE.

There may be something better than the paint you are selling—something that will sell better and please the customer better. Have you ever tried to find out?

Do so, if you want to make the most of your paint business. Add to your experience all there is to be known about the various paints and painting materials on the market.

We have done the very same thing in our paint-making, and in that way we know to a certainty just how

THE SHERWIN-WILLIAMS PAINT

compares with every other paint. When we say that it covers **most,** looks **best,** wears **longest** and is **most** economical, we know it is all true. Our experience gives us this assurance.

It is the experience of our agents that S.W.P. sells better than any other paint, because it gives the consumer greater satisfaction, and because we push it better. Your experience would be the same.

THE SHERWIN-WILLIAMS CO.
PAINT AND VARNISH MAKERS.

Canadian Division:
21 St. Antoine St.,
Montreal.

CLEVELAND.
CHICAGO.
NEW YORK.
MONTREAL.
BOSTON.
TORONTO.

GLASS IN ENGLAND.

It is not generally known, says an exchange, that the art of glass making was introduced into England through the importation of French workers, who were employed to make the first glass in England for the windows, porches and upper chambers of the ancient church of Monkwearmouth, which is situated on the river bank, opposite Sunderland.

About 1,500 years ago a philanthropic man by the name of Bishop, surnamed Benedict, commenced building a monastery on the bank of the river Wear in honor of St. Peter. He was assisted in his great work by the then King of Northumbria, who also gave him the ground upon which to build. Benedict went to France, where he obtained stonemasons to erect a church for him after the style of the Romans. From France he also procured glassworkers, who manufactured all the glass required for use in this structure. Before glass was used, a slit or hole in the wall served for the purpose of admitting light.

The good Benedict, who spared neither pains nor expense on this beautiful and interesting place of worship, journeyed several times to Rome—a difficult thing to do in those days—to obtain fittings for the church. He brought back many very fine pictures, and a number of other magnificent works of art, which he placed in this wonderful edifice. To-day, Monkwearmouth Church is one of the greatest ecclesiastical curiosities in England.

NO NEED FOR ALARM YET.

The discomfort caused by the sun during the heat of the summer months naturally turns a good deal of attention towards that luminary, and it is not surprising, therefore, that this is the season for wonderful inventions involving the utilization of the sun's rays. A brilliant mind in Detroit has, according to a local paper, devised a system whereby all cooking can be done by the heat of the sun. The headline to the article states that it will develop 200 degrees of heat, and if this is so it is hard to understand, says the Metal Worker, how the inventor will do a simple thing like boiling eggs, which requires 212 degrees. The stove trade is not in position to become unduly alarmed over anything just at present, and we do not anticipate that this recent invention will shut up many foundries. As a matter of fact the power of the sun was long ago utilized, and there is a story, whether historical or apocryphal we do not know, about Archimedes, of Syracuse, who, by means of reflecting mirrors, cooked the goose of a certain Marcellus, who had designs against his native city.

WINDOW-GAZERS EARN MONEY.

"MODERN conditions, needs and competition, develop many queer pursuits," said the State street merchant. "The business of c rrying signs about the streets—'sandwiching,' it is called—is a century old. Merchants used to advertise their goods, you know, by hiring a man to go about ringing a bell and crying the wares of his patrons. That is one of the street noises we have lost. I sometimes think it would be a good scheme to revive it. It would pay while its novelty lasts. The queerest profession of all professions, I think, however, is the profession of window-gazer. All pursuits are 'professions' these days, as you are aware. We haven't any 'trades' left. Never heard of of a window-gazer?

"There are many in Chicago, and, although they don't get rich, they are paid enough to keep body and soul together. A window-gazer, as the name implies, is a man or woman who makes a living by gazing into a window. You know that if you stand in State street, look fixedly at the 12th storey of a building across the way, you will have a sidewalk blocking crowd about you in no time at all? Well, that is what the window-gazer does. He strolls casually along until opposite his employer's window. Then he stops, and gazes with an appearance of deepest interest. In five minutes a crowd is gazing with him. As individuals of this crowd get enough and move on, others will take their places for probably half an hour. From a nearby street corner the originator of the audience is looking on. When the crowd has melted away totally, he gathers another by the same simple method. He works from 10 in the morning until 9 at night, and he is paid $2 per day. This may seem a large sum for such work, but it is not when the character of the window-gazer is taken into consideration. He must be a gentleman in appearance. To dress well is a desideratum with him. You will perceive that a man fitted out like a tramp might look into a window for an hour without exciting any attention or inducing anyone to stop and look with him. The nearer the window-gazer can approach to the ensemble of a man of leisure and wealth out for a stroll the more valuable his services are. The same things hold good of woman gazers. They are generally placed in front of the displays in the finer millinery shops or the department stores. You can spot one at any time by taking the trouble to hang about any establishment of this character, and keeping your eyes open."—Show Window.

DESERONTO IRON FOR LIVERPOOL.

The Deseronto Iron Co., Limited, are making preparations to ship 1,000 tons of pig iron to Liverpool. This is the new charcoal iron company started some months ago at Deseronto, Ont.

At a meeting of the Stratford, Ont., Board of Trade, it was decided to reorganize the board, and to call a meeting in September.

All accounts against the late Isaac G. Hutchinson, general merchant, Brighton, N.S., are advertised for by Fred. H. Hutchinson, administrator of the estate.

IF you want a good

Bicycle,
Shot Gun, or
Revolver,

Buy an . . .

IVER JOHNSON

Iver Johnson's Arms & Cycle Works

FITCHBURG, MASS.

BRANCHES—
NEW YORK—99 Chambers St.
BOSTON—408 Washington St.
WORCESTER—304 Main St.

Use Gilbertson's Tinplates

for the following reasons:

They are heavily coated with Tin.
They are of soft Siemens quality.
They are noted for deep stamping qualities.
They are the best for canning purposes.
They cost NO more than inferior brands.

Gilbertson's make the following brands and qualities:

"Gwyned," Coke Finish,
"Regina," Coke Finish,
"Comet," Charcoal Finish,
"Lincoln," Charcoal Finish,
"Crown," Charcoal Finish,
"Pontardawe," Best Charcoal Finish.

BE PARTICULAR to ask for these brands when ordering from your jobbing house. They can be supplied in all sizes and weights.

GILBERTSON'S TERNEPLATES

"Regina" brand

This is a superior plate and heavily coated—a good roofing plate that will give satisfaction to your customers.

Wholesale Only.

ALEXANDER GIBB

Agent for Canada. 22 St. John Street, MONTREAL.

To the Hardware Trade Only

If you attend the great

Canadian Industrial Exhibition

Kindly reserve enough time to pay us a visit.

Our travellers and warehouse staff will be on hand to show you every attention.

We hope you will favor us with a call.

H. S. HOWLAND, SONS & CO.

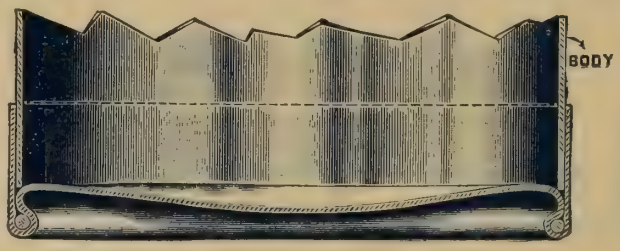
WHOLESALE HARDWARE MERCHANTS

37-39 Front Street West — **TORONTO**

Our Samples of Seasonable Goods will be open for Inspection.

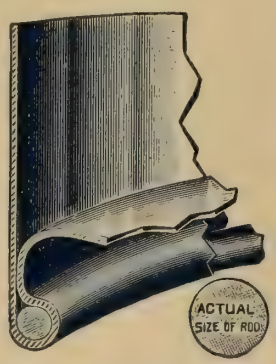
IMPROVED MILK CAN BOTTOM.

THE accompanying cuts show sections of a new milk can bottom made and patented by the McClary Mfg. Co., of London. This bottom is entirely new, being made of one piece of heavy sheet steel, pressed so as to form the outer hoop, and also the concave bottom, embodying all the features of the old style milk can bottom, and at the same time giving better results than the long used pieced bottom, in which the crevices and rivet heads are liable to hold soured milk, while with the new bottom there are no rivets, joints nor crevices to hold any dirt or soured milk.



It has a half-inch round iron rod placed inside the bottom edge, giving it a large round surface so that it can be easily slid over the floor of a wagon or factory, without tearing the floor as with the old style sharp edged bottom.

When completed, it is dipped in melted tin; every part, including the iron rod, being thoroughly coated and made as one piece; hence the bottom edge can never tear nor wear away.



It has a convenient receptacle to hold the body tin which allows the soldier to be thoroughly soaked in so as to make a lasting ob.

The travellers of The McClary Manufacturing Company are now carrying samples and it would be well for prospective purchasers of milk can trimmings to see these before purchasing their season's supply.

RUNNING NIGHT AND DAY.

The Syracuse Smelting Works, of Montreal, have had their works running in full operation for some time during day and night, and they report that trade was never better with them in this country.

It is understood they were most successful buyers of raw material before the advance, and are selling their babbitt metal, etc., at reduced prices.

CANADIAN GOODS WANTED.

Recent inquiries received at the Government offices in London, were as follows:

The names of one or two firms who would be interested in the manufacture of autocars are required by an engineer of good standing.

Hickory suitable for golf sticks 44 x ⅞ in. square, well dried and straight, is again inquired for.

A firm ask for the name of a Canadian house shipping wooden mantel-pieces who who would be willing to appoint them sole agents for the sale of such goods in the United Kingdom.

HARDWARE AND METAL will be pleased to forward to destination the names of any Canadian firms who can furnish information as to above.

THE USES OF GRAPHITE.

"Not a single iron casting is taken from its sand mold without the sand being first faced by graphite," says a recent writer. "Not a gun projectile is cast but the steel is melted in a graphic crucible; not a tool, not a saw is made but from graphite crucible steel. Every pound of nickel, of copper, of composition metal, of brass, is cast in some way, the metal being reduced in a graphite crucible. Evrey printing house, for the perfection of its electrotypes, is absolutely dependent on graphite. Every electrician and every department of electrical work comes under the same tribute. Graphite lubricates friction ways; it is notably the most enduring paint pigment, and the bulk of the writing done on the globe to-day is done with a graphite pencil; it has ministered to the arts of peace and to the science of war. It saves labor and it proves a short cut to desired results. In brief, not a factor which to-day contributes to civilization but is helped by graphite. It is found in great abundance in the island of Ceylon, in the Indian Ocean, and next in quality at the graphite mines at Ticonderoga, U. S. The industry is fascinating from the moment the miner drives his drill, and all along the line of its being refined, until both in usefulness and beauty it reaches perfection. The electric light would shine much less easily but for graphite, and the production of steel rails is equally dependent. The beautiful mineral has peculiar characteristics. Heat and cold and the highest and lowest extremes of both cannot touch it. It can bathe in acid as does a pebble in cold water."

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY. MONTREAL.

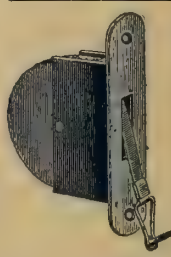


COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps, Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS
BALL BEARINGS
Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA



COATES' CLIPPERS
HAND AND POWER, easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel, and will not heat. 1899 catalogue ready.
Coates Clipper Mfg. Co.
WORCESTER, MASS.



Pullman Sash Balance Co.
Makers of the
"Pullman" Hardware Specialties
Main Office and Works,
Rochester, N.Y., U.S.A.
On sale all round the globe.

Size, ⅜-inch.



Cheapest IN THE WORLD.
J. M. LITCHFIELD
458 Quincy St.,
Brooklyn, N.Y.

FOR SALE.

FOR SALE — BRANCH STORE — PLUMBING. Hardware, Stove, Furnace and Tinning Business, Established five years. Sales doubled in last year. Only store of its kind within ten miles. Reasons for selling—Have all the business proprietors care to see to at their main store. $3,500 stock and fixtures. Rare chance for business man. Address, H. L. WHEELOCK Rock Island, Quebec. (t.f.)

CHAMPION FRUIT EVAPORATOR
Dries all kinds of fruits and vegetables. Suitable for home or market use. Also a perfect evaporator for use on the kitchen stove.
CATALOGUE FREE.
THE G. H. GRIMM MANUFACTURING CO.,
84 Wellington St., Montreal.

FOR SALE—
Trip Punch, Turning Lathe, Spinning Lathe, Emery Wheel, Milling Machine, Four Spindle Drill, Gear Cutter, Buffing Gig, Shafting, Hangers, Pulleys—in good order, a bargain.
Wanzer Lamp and Mfg. Co., Hamilton, Ont.

MR. C. C. BALLANTYNE, Cleveland, August 22, 1899.

Sales Manager The Sherwin-Williams Co., Montreal, Canada.

DEAR SIR,—I note in "The Canadian Hardware and Metal Merchant," on page 24, of August 19, that you expect to be in Toronto during the Exposition. I think that is a very good move on your part.

In the current market quotations, I notice that they have not yet corrected the price of S.-W. P. Do you not think it would be a good plan to call their attention to it?

By the way, I find this little magazine very interesting, particularly such articles as on page 10, "Brains and Business." Then, every once in a while they give us a good article on live everyday talks, like "Through Failure to Success." I think the hardware merchants of Canada are to be congratulated on having such a good paper to read.

Yours, very truly,

A. M. PARKS, Asst. Gen. Mgr.

MESSRS. MACLEAN PUB. CO., Toronto, Ont. Montreal, August 24, 1899.

GENTLEMEN,—I thought possibly you might be interested in reading what our Assistant General Manager has to say about your valuable publication "The Canadian Hardware and Metal Merchant."

I fully agree with all he has to say, and can assure you that our Company, and everyone connected with it, appreciates, and takes great interest in reading every issue of "The Canadian Hardware and Metal Merchant."

After you have read Mr. Park's letter, kindly return it to me, and oblige,

Yours truly,

C. C. BALLANTYNE, Manager.

MESSRS. MCLEAN PUB. CO., Toronto, Ont. Montreal, August 26, 1899

GENTLEMEN,—We are in receipt of your favor of the 25th inst., and in reply would say that we did not intend the writer's or Mr. Parks' letters for publicity, but simply that you might know our opinion of your valuable paper.

You are at liberty to use both the writer's and Mr. Parks' letters for advertising purposes if you so desire, although, as already stated, they were not written for that purpose.

We have already written our Mr. Parks stating that we were going to allow you to make use of his letter, and we know he will be only too glad to oblige you in this way.

Yours, very truly, THE SHERWIN-WILLIAMS CO.,

By C. C. Ballantyne, Manager Canadian Division.

If you have anything you wish to sell to the Hardware, Paint and Oil Dealers, Plumbers and Steamfitters, Millmen, Machinists, Foundrymen, and other manufacturers in Canada. "The Canadian Hardware and Metal Merchant" is the most powerful aid you can find in your efforts to attain success.

MARKETS AND MARKET NOTES.

QUEBEC MARKETS.

MONTREAL, September 1, 1899.

HARDWARE.

THE general hardware situation continues buoyant, and, for the season, a good movement of trade is noted. Wire is firm at the advance, but trade is light. Buyers are keen after wire nails at the rise for future delivery, but jobbers will not book a long way ahead. Cut nails are quiet, but steady. Horseshoes are also wanted on forward account, and a brisk trade is noted in screws, bolts, nuts and rivets. Rope is higher both for manila and sisal, and other lines of hardware show no change.

BARBED WIRE—Trade in this line continues light, but prices are steady at $3 f.o.b. factory, and $3.10 to $3.15 in a small way.

SMOOTH STEEL WIRE — The demand is light, a few lots of hay-baling wire moving. The base price is unchanged at last week's advance, $3 for Nos. 6 to 9.

GALVANIZED WIRE — Trade continues quiet. We quote: No. 9, $3.15; No. 12, $3 30; No. 13 $3 45; No. 15, $5.15, and No. 16, $5.30.

FINE STEEL WIRE—Steady at the rise, with a moderate movement, discounts being 17½ per cent.

BRASS AND COPPER WIRE— Unchanged, with trade quiet at 50 and 2½ per cent. on brass and 45 and 10 per cent. on copper wire.

FENCE STAPLES—There is a fair inquiry at the rise, and we quote $3.25 for bright and $3.80 for galvanized per keg of 100 lb.

FINE STAPLES — As last noted. Discounts are: Cooper, 55; poultry netting, 45, and electrician, broom, bed, etc., 40 per cent. off.

WIRE NAILS—There has been a good inquiry since the rise, especially for future delivery, but both makers and jobbers refuse to book further ahead than 30 days. We quote: $3 for Standard, with the miscellaneous list 75 per cent. off list.

COPPER WIRE NAILS—Unchanged at 50 per cent. discount.

CUT NAILS—Trade quiet, but prices steady at $2.25 per keg f.o.b.

FLOUR BARREL NAILS—Steady. Flour barrel 30 and coopers' nails 35 per cent. discount.

BOAT NAILS—As last reported, at 33⅓ per cent. discount on black and galvanized.

GALVANIZED ROOFING NAILS —Steady, at 8c. per lb., with 15 per cent. discount.

PRESSED SPIKES —Unchanged, at 30 per cent. off list.

HORSE NAILS—Quiet and steady, at 50 per cent. on standard and 50 and 20 on other brands.

HORSESHOES — Inquiry for forward delivery is active, but neither makers nor jobbers will book orders for any length of time ahead. We quote as follows: Iron shoes, light and medium pattern, No. 2 and larger $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4; X L steel shoes, new light pattern, No. 2 and larger, $3.90; No. 1 and smaller, $4.15; featherweight, all sizes, Nos. 0 to 4, $5.15; and toe weight steel shoes, all forward, all

To the Stove and Tinware Trade.

If you attend the Industrial Exhibition, Toronto, or the Western Fair, London, we extend to you a cordial invitation to visit us. Our travelling staff will be on hand to welcome you. . . . . .

At London we have some special jobbing lines to offer.

McCLARY MFG. CO.

LONDON - - - 14, 16, 18 Bay St., TORONTO

No regular buyer of galvanized iron has suffered delay in the past six months—we can almost say ten years.

Irregular buyers, sometimes, get it promptly too.

Apollo Iron and Steel Company, Pittsburgh.

Cements { PORTLAND, ROMAN, KEENE'S

Bricks . . { FIRE, BUILDING, PAVING

Sand . . . { SILICA FIRE, MOULDING, BUILDING

F. HYDE & CO.

31 Wellington street, MONTREAL

English Castor Oil

GUARANTEED PURE.

Pharmaceutical, Tasteless, Cold Drawn
First Pressure
Second Pressure

In cases of 2 tins and in barrels. Stocked by all Hardware, Oil and Color men.

The Hull Oil Manufacturing Co.
LIMITED

B. & S.H. THOMPSON & CO.
Agents for Canada - MONTREAL

CANADA IRON FURNACE CO., Limited

Manufacturers of

CHARCOAL PIG IRON

MONTREAL.

BRAND "C.I.F." THREE RIVERS

PLANTS AT

Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.

Geo. E. Drummond,
Managing-Director and Treasurer

sizes $6.25 f.o.b. Montreal, St. John, N.B., and Halifax, N.S. Delivered f.o.b. in Toronto, Hamilton, London and Guelph 10c. per 100 lb. extra.

SCREWS — There is a brisk trade at firm prices. Discounts are: Flat head, bright, 80 and 5 per cent; round head do., 75 and 5; flat head, brass, 75 and 5; round head do., 67½ and 5.

BOLTS — These are also fairly active. Discounts are as follows: Carriage bolts, 5-16 and smaller, 55 per cent.; ⅜ and up, 50 per cent.; full square bolts, 65 per cent.; machine bolts, 55 per cent.; coach screw bolts, 67½ per cent., and sleighshoe bolts, 72½ per cent.

NUTS AND WASHERS — In fair request and steady. We quote: Square, 3¾c. and hexagon 4¼c. per lb.; discount off list. Washers in 50-lb. boxes are 50 per cent. discount.

RIVETS—The same remarks apply to these. Discounts are: Black and tinned, 45 per cent.; ditto burrs, 40 per cent.; copper rivets and burrs, 35 per cent.

CORDAGE—In fair demand, with another advance. We quote: Manila, 7-16 and up, 13c.; ⅜, 13½c., and ¼ and 5-16, 14c. Sisal, 11½c. for 7-16 and up; 12c. for ⅜, and 13c. for ¼ and 5-16.

WRINGERS — Trade quiet and prices steady at $48 to $60, as to brand, with 45 per cent. off.

BUILDING PAPER—A fair trade is doing. We quote: Plain building, 28c.; tarred lining, 35c.; tarred roofing, $1.40, and carpet felt, $2.25.

CUTLERY—A good movement is noted in this line.

SPORTING GOODS—Loaded shells continue the active line in sporting goods.

CEMENT—Trade is quiet in an ordinary way, but some large contracts have been closed this week for German cement, which are mentioned elsewhere. We quote: Belgian, $1.90 to $2.10; English, $2.30 to $2.40, and German, $2.45 to $2.65, per cask ex wharf.

FIREBRICKS—In fair demand and steady at $17 to $23 per 1,000, as to brand.

METALS.

Heavy iron and metals are firm all round. Quotations are impossible to obtain on pig iron, while galvanized iron is strong, and the same can be said of tin and Canada plates, makers being so full of orders that prices must inevitably advance.

PIG IRON —With little or no stock offering here, and makers refusing to quote, spot prices are nominal on all kinds.

BAR IRON — At the advance, orders for future delivery have poured in, but makers will only sell as far ahead as September 30. We quote: $2.10 to $2.15 f.o.b. Montreal.

BLACK SHEETS — These are firmer, and

TINPLATES

"Lydbrook," Best Coke,
"Allaways," Charcoal,
"Dominion Crown," Best Charcoal,

are brands that you can swear by.

A. C. LESLIE & CO.
MONTREAL.

FOX

All-Steel Sash Pulleys

THEY require no Screws—this means a saving of a gross of screws on every six dozen Pulleys.
THEY can be applied quicker than any other Pulley.
THEY are cheap, strong and durable.

NO NAILS NO SCREWS
JUST BORE FOUR HOLES

AIKENHEAD HARDWARE CO.
Toronto.

ADAM HOPE & CO.

30 JOHN STREET N.

Hamilton, Ont.

PIG TIN
PIG COPPER INGOTS
PIG LEAD
ANTIMONY
TIN, and CANADA PLATES

NOVA SCOTIA STEEL CO.
Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

as the market is bare of stock higher prices are predicted in the near future. We quote: 8 and 15, $2.60; 18 and 20, $2.30; 22 and 24, $2.50; 26, $2.60, and 28, $2.65.

HOOP IRON—Firm at the advance, $3.25 for jobbing lots.

STEEL—Further strength is noted in steel. We quote: Sleighshoe and tire, $2.60; spring, $2.75; machinery $3.25, and toe calk, $3.10.

GALVANIZED IRON—The market is strong and advancing and we quote $4.30 to $4.80 for 28 gauge, as to brand, and $4 to $4.50 for No. 24 in case lots.

INGOT COPPER — Firmly held at 19½ to 20c.

INGOT TIN—Without change at 36c.

PIG LEAD—Steady. $4.25 per 100 lb.

LEAD PIPE—Steady. We quote: Ordinary, 7c., and composition waste, 7½c., with 20 per cent. discount.

IRON PIPE—The market has a firmer tendency and some jobbers advanced their prices this week, but others still retain the old figures. We quote: Black pipe, ⅛ and ¼-inch, $3.12; ⅜-inch, $3.25; ½-inch, $3.75; 1-inch, $5.20; 1¼-inch, $6.85; 1½-inch, $8.75 and 2-inch, $11.02. Galvanized pipe, ⅛ and ¼-inch, $5.64; ⅜-inch, $6.64; ½-inch, $7.41; 1-inch, $10.12; 1¼-inch, $14.03; 1½-inch, $17.16, and 2-inch, $23.

TINPLATES—Firmly held, and makers are so full of orders for months to come that prices must advance. We quote as follows: Coke, I. C., $4.40; charcoal, I. C., Allaway or Comet brands, $4.80; do. I. X., $5.05; Lincoln, $5; P. D. Crown, $5.30; do. I. X., $5.80; Bradley's, $6.25.

CANADA PLATES — The same conditions prevail in these. We quote: 52's, $2.60; 60's, $2.70; 75's, $2.80; full polished, $3.25; galvanized Canada plates, $4.55 for 52's.

TERNE PLATE—Stiff, at $7.50.

SWEDISH IRON—The base price on this is stiff at $3.40.

COIL CHAIN—It would cost more money to lay this material down, and some firms are already asking the new basis, but others are still selling on the old scale, but are not likely to do so long. We quote the old basis, the reference to the cost of laying down fresh supplies being specially referred to elsewhere. We quote as follows: No. 6, 10¼c.; No. 5, 9¼c.; No. 4, 8¼c., and No. 3, 7¼c. per lb.; ¼-inch, $6; 5-16, $4.75; ⅜, $4.25; 7-16, $4.10; ½, $4; 9-16, $3.95; ⅝, $3.85; ¾, $3.65, and ⅞, $3.55 per 100 lb.

SHEET ZINC — Unchanged, at 7½ to 7¾c.

ANTIMONY—Quiet, at 10 to 11c.

SPELTER—Firm, at $7.

GLASS.

There is no change in this material. We quote as follows: First break, $1.90; second, $2 for 50 feet; first break, 100 feet, $3.60; second, $3.80; third, $4.25; fourth, $4.50; fifth, $5; sixth, $5.50, and seventh, $6.

PAINTS AND OILS.

Fall orders are increasing, and there is a good movement in a sorting way as well, showing that existing stocks in retailers' hands have been broken into well. Turpentine took a slight reaction in the South, but has since firmed up, and spot prices were entirely unaffected. Linseed oil is very firm in England, and an advance is expected here. Some large contracts have been put through in seal oil, 200 and 300 bbl. lots selling at 32½c.

WHITE LEAD—Best brands, Government standard, $6.00; No. 1, $5.62½; No. 2, $5.25; No. 3, $4.87½.

DRY WHITE LEAD—$4.75 in casks; kegs, $5.

RED LEAD—Firm; casks, $4.50; in kegs, $4.75.

WHITE ZINC PAINT—Pure, dry, 8c.; No. 1, 6½c.; in oil, pure, 9c.; No. 1, 7½c.

PUTTY —We quote: Bulk, $1.65; bladders, in bbls., $1.80; bladders, in cases, $1.95; in tins, $2.05 to $2.30.

LINSEED OIL — Raw, 57c.; boiled, 60c., five to nine-barrels, 1c. less, ten and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—Single barrels, 75c.; two to four barrels, 74c.; five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Firm; $1.10 to $1.30 per gallon.

CASTOR OIL—Firm; 7½ to 8c.

SEAL OIL—33 to 35c.

COD OIL—35 to 37½c.

NAVAL STORES—Fair demand for all lines, and prices show no change: Resins, $2.75 to $4.50, as to brand; coal tar, $3 to $3.50; cotton waste, 4½ to 5½c. for colored, and 6 to 7½c. for white; oakum, 5½ to 6½c., and cotton oakum, 9 to 11c.

PETROLEUM.

Firm at last week's rise. We quote: Crown Acme, the new Sarnia oil, 16½c.; Perfection and Silver Star, Canadian refined, 15½c.; American prime white, 17c.; water white, 18c., and Pratt's astral, 19½c., in small quantities.

HIDES.

Quiet and steady. We quote: Lambskins, 40c. Beef hides, 9, 8 and 7c., while calfskins are 11 and 9c.

COAL.

Steady to firm. We quote: Stove, $5.75; chestnut, $5.75; egg, $5.50; Scotch

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON' KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL



STEEL LETTERS and FIGURES.
If your Jobber does not keep our steel letters and figures send to us direct, we make everything in steel stamps.
HAMILTON STAMP & STENCIL WORKS
Hamilton, Ont.


If you Want to Learn Anything About Advertising,
if you are a business man and get or want to get business by any kind of advertising, and want to know how to advertise and make money; or if you are an employe and expect to go into business for yourself; or if you want to get into a new and profitable profession—we furnish the foundation—the accumulated knowledge on the subject. Investigation costs you nothing. Invaluable information will be sent Free.
Address Advertising World Publicity Club, Columbus, O.

1879 ESTABLISHED 1879
ESSEX HANDLE and WOOD TURNING WORKS.
Late of Essex, now LEAMINGTON ONT.
Makers of Axe, Fork, Rake, Hoe, Sledge, Broom, Hammer, and all kinds of Handles. Neck Yokes' Singletrees, and Doubletrees, Bench Saws, Exercise Clubs, Baseball Bats, etc., etc. Do you sell any Shaved Pattern and Octagon Axe Handles? The largest and best trade in Canada does, because they give best satisfaction. All stock air-dried, not kiln-dried. If you are going to be in it, place your order with
GARDNER BROS. & CO.

TENDERS FOR STEAMSHIP SERVICE.

SEALED TENDERS, addressed to the undersigned, at the Department of Trade and Commerce, Ottawa, marked "Tenders for Steamship Service," will be received until the 15th day of September next, for steamship service, including the carrying of Her Majesty's Mails for a period of five years, for the following:

The service to be during the winter season, say from between the 15th November and 1st December in the Fall to the 1st of May in the Spring. Three full round trip per week, making in all not less than sixty full round trips between Murray Bay on the North Shore and St. Denis on the South Shore on the River St. Lawrence.

Tenders must state the class, engine power, speed, capacity, passenger and other accommodation, etc., of the vessel proposed to be employed, and must show to the satisfaction of the Minister of Trade and Commerce that the vessel offered is capable of fulfilling such conditions as may be imposed.

The Government does not bind itself to accept lowest or any tender.

W. G. PARMELEE,
Deputy Minister of Trade and Commerce.

Department of Trade and Commerce,
Ottawa, 18th August, 1899. (6)

TO THE TRADE . .

We cordially invite our customers to call at our warehouse during the Western Fair at London, Sept. 7 to 16. We will give them a hearty welcome and extend to them every courtesy.

Our stock of Fall Goods, Cutlery, Guns, Rifles, Ammunition and General Hardware is complete. We will have bargains for those who give us a call.

John Bowman Hardware & Coal Co. - - London, Ont.

WESTERN ASSURANCE COMPANY

Incorporated 1851.

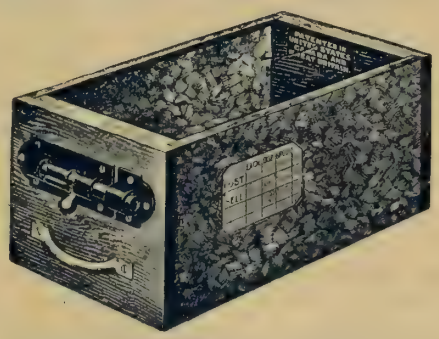
Fire and Marine

Capital, subscribed	$2,000,000.00
Capital - - -	1,000,000.00
Assets, over - -	2,340,000.00
Annual Income -	2,290,000.00

Head Office: TORONTO, ONT.

Hon. Geo. A. Cox, President. J. J. Kenny, Vice-President.
C. C. Foster, Secretary.

BENNETT'S PATENT SHELF BOX.



The best on the market, take up least room, are light, strong, and unbreakable. Thousands in use in United States, where they are known as Heller's Steel Shelf Box. Write for list and prices to the patentee and manufacturer,

J. S. Bennett, 20 Sheridan Ave., Toronto.

N.B.—Will be made to fit your present shelving.

SHIELD BRAND

Sheathing is the

BEST.

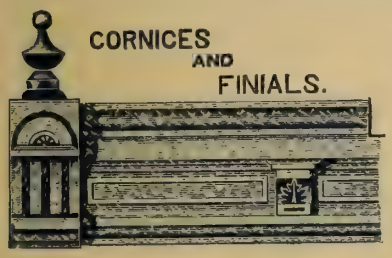
Ask your dealer for it.

Manufactured by

Lockerby & McComb

65 Shannon Street, MONTREAL.

CORNICES AND FINIALS.



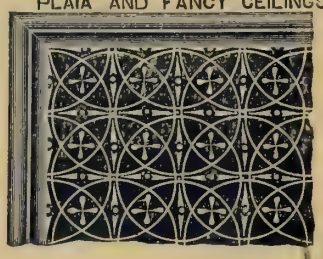


ROCK FACE BRICK.

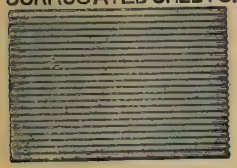


PRESSED BRICK.

PLAIN AND FANCY CEILINGS



CORRUGATED SHEETS.



While we do not claim to be the largest Sheet Metal Manufacturers in the world—nor the oldest—we are pleased to have an opportunity of trying to supply the

Best in the World.

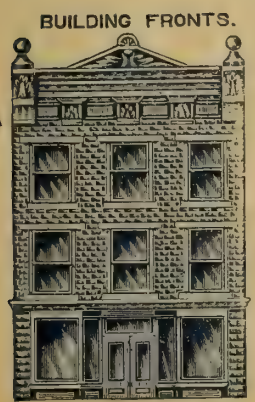
We want you to sample our goods and our methods of doing business. We try to smooth down some of the rough corners, and take a little pleasure out of business, working with our customers for our mutual advantages.

MOST OF OUR GOODS ARE SPECIALTIES.



O. K. Stove Pipe Thimble.
Why not try a sample lot?

BUILDING FRONTS.



You know our Safe Lock Shingle has no equal. Its construction is what customers like. Our large Sheet Siding, in eight-foot lengths, will also interest you. Easily put on over any rough surface.

Our New Method of Painting

is a great success. It gives customers confidence in our goods as they need not hesitate to recommend them. You should be interested in **METAL CEILINGS.** We have the latest designs—joints invisible when put on—ornamental nails—can be put on over plaster.

Send plan and size of ceiling and we will send you blue print and estimate.

Have you tried the O.K. THIMBLES?
Did you get a copy of our New Catalogue?



Three "Safe Lock" Shingles. Showing method of interlocking on all four sides.

METAL SHINGLE AND SIDING CO. Limited
Preston, Ont.

grate, $6; Scotch steam, $4 to $4.50; Tower ports steam, $3.50 to $3.75.

MONTREAL NOTES.

There has been an advance of ½c. in the price of both manila and sisal rope.

While it would cost more to lay down iron pipe, the old scale is still retained here.

There has been an advance in black sheets, and values on them point still higher.

A sale of 10,000 bbls. of German cement was made this week at $2.65, delivered, on Eastern account.

The Thos. Robertson Co. have been appointed Canadian agents for the "Sirdar" hot-water boiler. This is an American make.

While the old scale is still retained in coil chain, it would cost an advance to lay down fresh supplies, so that a rise in spot values is expected shortly.

ONTARIO MARKETS.

TORONTO, September 1, 1899.

HARDWARE.

A GOOD sorting-up trade in general hardware is to be noted this week. Quite a number of buyers are in the city, but it will not be until next week, the second week of the Exhibition, that the great bulk of them will arrive. Those who are here this week report trade in a healthy condition, and their expectations for the future are hopeful. What changes have been made in quotations during the week have been in the direction of higher prices. Wire nails are up another 5c. per keg. White enameled ware has been advanced 5 per cent., and stove pipes are 50c. per 100 lengths dearer. The discount on double pointed tacks is 85 per cent., instead of 85 and 5 per cent.

BARBED WIRE — Prices have been advanced $2 per ton in the United Sates. Here, trade is quiet and prices unchanged at $3.25 per 100 lb. f.o.b. Toronto.

SMOOTH STEEL WIRE—Oiled and annealed is quiet, but there is still a fair trade to be noted in hay-baling wire, although the demand is not as brisk as it was a week ago. The base price is unchanged at $3 per 100 lb.

GALVANIZED WIRE—There is a little going out and prices are firm and higher. We quote : Nos. 6, 7, 8 gauge, $3.60 ; No. 9, $3.10; No. 10, $3.70; No. 11, $3.75; No. 12, $3.20 ; No. 13, $3.45 ; No. 14, $4.10; No. 15, $4.70 ; No. 16, $4.85.

WIRE NAILS—These are 5c. per keg dearer, with the demand good. Base price is now $2.87½ for carloads, and $2.95 for smaller quantities.

CUT NAILS — Trade is still quiet. Base price is unchanged at $2.25 f.o.b. Toronto, Hamilton and London.

HORSE NAILS — A moderate trade is to noted. We quote : Standard, oval head, 50 per cent.; Acadia, countersunk head, 50 and 20 per cent.

HORSESHOES—Not a great deal doing yet. We quote f.o.b. Toronto, Hamilton, London and Guelph : No. 2 and larger, light, medium and heavy iron shoes, $3.60 ; snow shoes, $3.85 ; light steel shoes, $4.00 ; featherweight shoes, all sizes, $5.25. No. 1 and smaller, light, medium and heavy iron shoes, $3.85 per keg ; iron snow shoes, $4.20 ; light steel shoes, $4.15; featherweight steel shoes, all sizes, $5.25.

SCREWS — A decidedly active trade is still to be noted. We quote : Flat head bright, 80 and 5 per cent. off the list ; round head bright, 75 and 5 per cent.; flat head brass, 75 and 5 per cent.; round head brass, 67½ and 5 per cent.; flat head bronze, 67½ and 5 per cent.; round head bronze, 62½ and 5 per cent.

BOLTS — Business continues active and prices firm : We quote as follows : Norway bolts, full square, 65 per cent. ; common carriage bolts, 5-16 and under, 55 per cent. ; ditto, ⅜ and larger, 50 per cent.; ditto, full square, 65 per cent.; machine bolts, all sizes, 55 per cent.; coach screws, 67½ per cent.; sleighshoe bolts, 72½ per cent.; blank bolts, 55 per cent.; bolt ends, 62½ per cent.; nuts, square, 3¾c. ; nuts, hexagon, 4¼c.; tapping nuts, 60 per cent.; tire bolts, 60 and 10 per cent.; stove bolts, 60 and 10 per cent.

ROPE —Business is only moderate. We quote: Sisal, 7-16 in. and larger, 11½c. per lb.; ⅜ in., 12c.; ¼ and 5-16 in., 12½c. Manila, 7-16 in. and larger, 13c. per lb.; ⅜ in., 13½c.; ¼ and 5-16 in., 14c.; New Zealand, 11c. per lb.; Deep sea line, 13½c. for water laid, and 14½c. for machine-made ; hemp, 7 to 9c.; lath yarn, 10c. Clotheslines, 48 feet, 90c.; 60 feet, $1.20 ; 72 feet, $1.50 ; 100 feet, $2.

RIVETS AND BURRS—Business is still good. We quote : Carriage section, wagon box, rivets, etc. (steel), 60 per cent. off the list ; ditto (Norway iron), 60 per cent.; black M rivets (steel), 55 per cent.; ditto (Norway iron), 45 per cent.; iron burrs, 40 per cent.; copper rivets, 35 per cent.; bifurcated, with box, $1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

CHURNS—Very little doing. We quote as follows : Metal frame —No. 0, $3 ; No. 1, $3.20 ; No. 2, $3.40; No. 3, $3.75; No. 4, $4.50 ; No. 5, $5.90. The price of wooden frames is 15c. per churn less than the above. Terms, 3 per cent. off 30 days f.o.b. Toronto.

WRINGERS — Trade is quiet. We quote as follows : "Leader," $60 per doz. ; "Royal Canadian," $58; "Royal American," $48. Prices are all f. o. b. Toronto, Hamilton, Brockville, and Montreal. Discount, 45 per cent. Terms, four months, or 3 per cent. 30 days.

BUILDING PAPER—Trade is opening up fairly well. We quote : Plain building, 28c. per roll ; tarred lining, 35c., according to quality ; tarred roofing felt, $1.40 per 100 lb.; carpet felt, $2.25 per 100 lb.

WARE—The feature in this line is an advance of 5 per cent. in the price of white enameled ware. The demand is good for enameled ware and fair for tinware.

STOVE PIPES—Prices have been advanced 50c. per 100 lengths. We quote : 5 to 6-inch, $6.75 ; 7-inch, $7.25.

CEMENT—The demand keeps active, with prices firm. We quote in barrel lots as follows : Canadian Portland, $2.65 to $2.90; English do., $3 ; Canadian hydraulic cements, $1 to $1.10; calcined plaster, $1.90; asbestos cement, $2.50 per bbl.

METALS.

The metal market is still characterized by a great deal of firmness. Trade is active.

PIG IRON — The market is still strong. We quote Hamilton iron at $21 f.o.b. furnace.

BAR IRON—Business continues brisk and prices firm at the $2.15 base.

BLACK SHEETS—Trade continues active, with prices firm and unchanged.

GALVANIZED IRON—Is moving out well. A scarcity of stock is still reported. The price of 28 gauge is unchanged at $5.

COPPER—A moderate trade is being done in ingot copper, but a fair business is to be noted in sheet copper. Prices are unchanged and steady. We quote : Ingot copper, 20 to 21c. per lb. and sheet, 23 to 23½c. per lb.

PIG TIN—There is a fair movement, with local stocks light. Local quotations are unchanged at 37c. per lb., but in the outside markets prices are somewhat irregular.

TINPLATES — Some local houses have received fresh shipments during the week, but stocks are, on the whole, still light. The demand is fairly good.

CANADA PLATES —Are beginning to move freely. The demand for the moment is for small lots. We quote : All-dull, $2.75 ; half-polished, $2.85 ; all-bright, $3.20.

IRON PIPE—The demand for iron pipe continues active at firm prices. Quotations on black pipe are as follows : ¼ to ⅜ inch, $3.35 ; ½ inch, $3.40; ¾ inch, $4 ; 1 inch, $5.50 ; 1¼ inch, $7.35; 1½ inch, $9.25 ; 2 inch, $12.50 ; 2½ to 6 inch, discount off the list 45 per cent. Galvanized pipe is quoted as follows : ¼ inch, $6.50 ; ¾ inch, $8 ; 1 inch, $11; 1¼ inch, $15.25; 1½ inch, $19 ; 2 inch, $27.

PIG LEAD—Trade is quiet at 4½ to 4¾c. per lb.

LEAD PIPE — Trade is just moderate. We quote: Ordinary pipe, 7c.; waste, 7½c. Discount, 20 per cent.

RANGE BOILERS — The demand, while not as active as it was, is still fair. We quote: Galvanized, 30 gals., $9; 35 gal., $10; 40 gal., $11. Copper, 30 gal., $22; 35 gal., $26; 40 gal., $30; discount off copper boilers, 10 per cent.

SHEET ZINC—There is a good movement. Prices are unchanged at 8¼ for cask lots and 8½c for smaller quantities.

SPELTER—Trade is quiet at 7½ to 7¾c. per lb.

SOLDER—Trade is fairly good. The ruling price for strictly half-and-half is 21½ to 22c. per lb. We quote: 21 to 22c. for half-and-half; 20 to 21c. for refined, and 18 to 19c. for wiping.

PAINTS AND OILS.

A general briskness continues. Wholesale dealers state that the amount of business done during August, this year, is unprecedented, especially with regard to country trade. The briskness has affected all materials. Prices throughout are firm, with no change to quote, except that pure liquid paints are $1.10 straight, instead of $1 to $1.10 as noted last week. We quote as follows:

WHITE LEAD—Ex Toronto, pure white lead, $6.12½; No. 1, $5.75; No. 2, $5.37½; No. 3, $5; No. 4, $4.62½; dry white lead in casks, $5.10.

RED LEAD—Genuine, in casks of 560 lb., $4.90 to $5; ditto, in kegs of 100 lb., $5.15 to $5.50; No. 1, in casks of 560 lb., $4.75; ditto, kegs of 100 lb., $5.

LITHARGE AND ORANGE MINERAL—Litharge, 6 to 6½c.; orange mineral, 7½ to 8½c.

WHITE ZINC—Genuine, French V.M., in casks, $7 to $7.25; Lehigh, in casks, $6.

PARIS WHITE—90c.

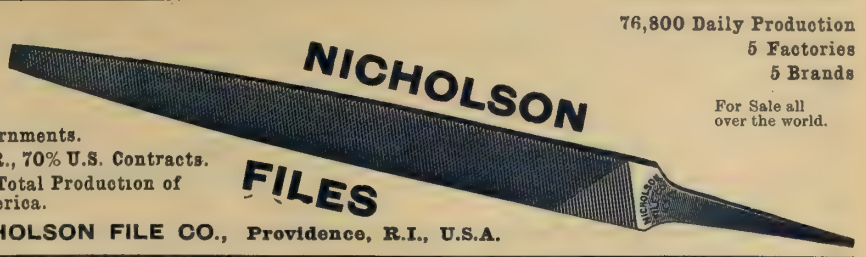
WHITING — 55c. per 100 lb.; Gilders' whiting, 85c.

GUM SHELLAC—In cases, 20c.; in less than cases, 24c.

PLASTER PARIS — Ordinary, $1.75 per barrel; New Brunswick, $2 to $2.20 per barrel.

PUMICE STONE—Powdered, $2.50 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, $1.10 per gallon; No 1 quality, 90c. per gallon.



76,800 Daily Production
5 Factories
5 Brands
For Sale all over the world.

16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of America.

NICHOLSON FILE CO., Providence, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited. Established 1773

Manufacturers of **Polished, Silvered, Bevelled Chequered, and Rough Plate Glass.** Also of a durable, highly-polished material called "**MARBLETTE**," suitable for Advertising Tablets, Signs, Shop Facias, Direction Plates, Clock Faces, Mural Tablets, Tombstones, etc. This is supplied plain, embossed, or with incised gilt letters. **Benders, Embossers, Brilliant Cutters, etc., etc.** Estimates and Designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow 12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glass, St. Helens." Telephone No. 68 St Helens.

SEAL OIL—59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9c. per lb. and 10c. for single tins.

LINSEED OIL — Outside western points (freight allowed): Raw, 1 to 4 barrels, 59c.; boiled, 1 to 4 barrels, 62c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE — Outside western points, freight allowed, 1 to 4 barrels, 77c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

Business is brisk. A few import orders are still arriving. Though the arrivals of these orders are small to date, it is expected that all orders will be delivered before the close of navigation. Prices in Europe are decidedly firm. The feeling here is steady. We quote window glass: Star, first break in 50-foot boxes, $2.15, and in 100-foot boxes, $4; double diamond under 25 united inches, $6, Toronto Hamilton and London; terms 4 months or 3 per cent. 30 days.

OLD MATERIAL

Prices are firm throughout. A big movement is noted, as the large offerings are readily bought up. We quote as follows: Agricultural scrap, 55c. per cwt.; machinery cast, 60c. per cwt.; stove cast scrap, 45c.; No 1 wrought scrap, 55c. per 100 lb.; new light scrap copper, 12½c. per lb.; bottoms, 11c.; heavy copper, 15c.; light scrap brass, 7½c.; heavy yellow scrap brass, 10c.; heavy red scrap brass, 11c.; scrap lead, 2½c.; zinc, 3c; scrap rubber, 4c.; good country mixed rags, 65 to 75c.; clean dry bones, 45 to 50c per 100 lb.

HIDES, SKINS AND WOOL.

HIDES — A brisk demand keeps prices firm. We quote cowhides: No. 1, 8½c.; No. 2, 7½c.; No. 3, 6¼c. Steer hides are worth ½c. more. Cured hides are worth 9c.

SKINS — The feeling continues stiff, with prices unchanged. We quote as follows: No. 1 veal, 8-lb. and up, 9c. per lb.; No. 2, 7c.; dekins, from 30 to 35c.; culls, 15 to 20c. Sheep and lambskins are selling at 45c.

WOOL — Conditions are unchanged. There is little doing. We quote fleece at 14 to 14½c., and unwashed at 8 to 9c.

PETROLEUM.

There is a steady improvement in business. Prices are firm and unchanged. We quote in barrels, Toronto: Canadian, 14c.; Sarnia prime white, 14c.; Sarnia water white, 15c.; photogene, 15½c.; American water white, 16½c.; Pratt's astral, 18c.

COAL.

An advance of 25c. per ton has been made in the price of anthracite coal. We quote Anthracite at Buffalo and bridges: Egg, stove and nut, $4.75 per gross ton, or $4.24 per net ton; grate, $4.50 per gross ton or $4.01 per net ton.

MARKET NOTES.

Wire nails are 5c. per keg dearer.

The price of stove rods has been advanced.

Cinder sifters are now quoted at $1.25 per dozen.

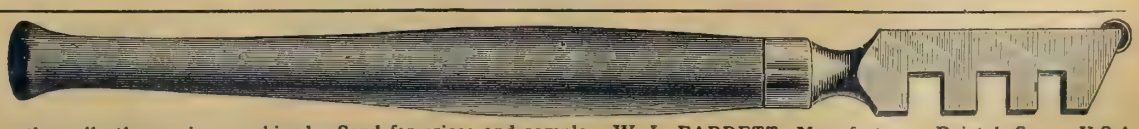
Stove pipes are quoted 50c. per 100 lengths higher.

The discount on enameled ware has been reduced to 50 per cent.

The Canadian General Electric Company, Limited, on September 1, 1899, will remove their head office from its present location, 65 to 71 Front street west, to 14 and 16 King street east, Toronto.

Barrett's Glass Cutters Standard

Barrett's Practical Glass Cutters are the standard the world over.



Sold by more Hardware Dealers than all other makes combined. Send for prices and sample. W. L. BARRETT, Manufacturer, Bristol, Conn., U.S.A

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

ANDERSON & REARDON, manufacturers of picture frames, etc., Toronto, have assigned in trust.

Alexander Payette, tinsmith, St. Johns, Que., has assigned.

Wm. Allen, sawmiller, Farewell, Ont., has assigned to Robert Allan.

Assignment has been demrnded of Fyfe & Co., contractors, Montreal.

Campbell Bros., general merchants, McAdam Junction, N.B., have assigned.

Fairgreive & Blyth, contractors, Galt, Ont., have assigned to Duncan Murray.

The Kay Electric Motor Co., Hamilton, Ont., have assigned to J. T. Middleton.

Robert McLennan, hardware dealer, Alexandria, Ont., has assigned to Angus McDonald.

Paradis & Jobin have been appointed curators of J. & J. Nadeau, general merchants, etc., Cascapedia, Que.

James Martin has been appointed provisional guardian of M. A. Menard & Co., general merchants, Buckingham, Que.

L. N. Bourgeois & Co., general merchants, Danville, Que., have assigned, and a meeting of their creditors has been called.

PARTNERSHIPS FORMED AND DISSOLVED.

Precourt & Co., contractors, Montreal, have registered partnership.

Bouchier & McAdam, general merchants, Abbotsford, B.C., have dissolved, — Bouchier continuing.

Jules and Alair Leger have registered partnership under the style of Jules, Leger & Frere, contractors, Montreal.

Copartnership has been registered by James J. Hughes and George E. McFarlane as general merchants, under the style of Hughes & McFarlane, Souris, P.E.I.

SALES MADE AND PENDING.

Wm. Harrison, blacksmith, Pinkerton, Ont., is advertising his business for sale.

Wm. Tost, blacksmith, Glen Williams, Ont., is advertising his business for sale.

Simpson & Lareva, sawmillers, Grand Forks, B.C., have sold an interest to J. W. Stout.

The assets of Robert Robertson, general merchant, Burnstown, Ont., have been sold at auction.

The stock of A. N. Ellis & Co., general merchants, Carberry, Man., has been sold at auction for 59c. on the dollar to T. Finklestein.

CHANGES.

W. R. Erskine, general merchant, Atwood City, Ont., has been succeeded by G. Lougheed.

John McFarlane, general merchant, etc., Campbell's Bay, Que., has retired. He has been succeeded by McFarlane Bros.

T. E. Lee contemplates opening out as harness dealer in Grenfell, N.W.T.

Wilbrod Labrecque has started a hardware store in St. Henri de Montreal.

The Columbia Light Syndicate, manufacturers of vapor lamps, have started business in Victoria.

The stock of T. G. Clute, general merchant, Stirling, Ont., has been sold to W. R. Mather, who continues under the style of Clute & Mather.

L. J. Lahay, sawmiller and general merchant, Kearnay, Ont., has sold out his general store to D. S. Vincent, of Novar, Ont., who is selling out his Novar business and intends moving to Kearnay.

Telesphore Chenier, carriagemaker, cheese and butter manufacturer, etc., St. Anne de Prescott, Ont., has sold his carriagemaking business to Lavigne Bros., who have started business in that place.

DEATHS.

D. Sissons, general merchant, Carlton, N.W.T., is dead.

FIRES.

M. C. Drew, hardware dealer, Burk's Falls, Ont., has been burned out.

WOOD, VALLANCE AND CO. IN TORONTO

Wood, Vallance & Co., wholesale hardware dealers, Hamilton, have opened a branch at 88 York street, Toronto, where they have on display a large assortment of cutlery, guns, rifles, sleigh-bells, and miscellaneous shelf hardware. H. T. Eager will be the firm's representative. Wood, Vallance & Co., have many friends and customers, who, no doubt, will, during the Industrial Fair, avail themselves of the opportunity of seeing the samples shown in this new branch.

"BAGGED" ON HIS DEPARTURE.

Mr. W. Beatty, for many years bookkeeper for The Thos. Robertson Co., Montreal, has severed his connection with this firm and has gone to New York, where he enters into the grain business in partnership with his brother. On the eve of his departure he was presented by his fellow-workers with a handsome traveling bag.

W. J. Thompson, machinist, Liverpool, N.S., has been burned out; no insurance.

FOR YOUNG CANADIANS.

Don't wait until the iron's hot,
But make it hot by muscle.
Don't wait for the wealth your father's got,
Take off your coat and hustle.

What a year 1900 is to be! What a time for the young Canadian hustler—the rapid stenographer, the expert bookkeeper and the nimble telegrapher! They will all be wanted just as surely as that bright year is coming around. A start now will put you with the successful ones, and we can start you aright. Will you send us your name and let us tell you how? It is no trouble to us, and will benefit you.

W. H. SHAW, Prin. CENTRAL BUSINESS COLLEGE, Toronto, Ont.

Hardwood CHARCOAL in Bulk or Sacks.

WOOD ALCOHOL equalling Methylated Spirits as a solvent.

Manufactured only by ...

THE STANDARD CHEMICAL CO., Limited

Factories { Fenelon Falls. Deseronto. Gooderham Building, TORONTO

HARRINGTON & RICHARDSON ARMS CO.

WORCESTER, MASS., U. S. A.



Makers of **High Grade REVOLVERS**

SEND FOR COMPLETE CATALOGUE.

For sale by Sporting Goods and Hardware Stores almost everywhere.

YOU WILL SEE SOME OF OUR GOODS

outside the factory—on your way to the Fair—and we invite everyone to call in and inspect all our lines of fireproof building material.

We have made special arrangements for receiving all friends and visitors during Fair weeks and will give you full and practical information about any line in which you are interested.

We make no display on the Exhibition Grounds—unless the 55 buildings there (including 5 new ones erected this year), covered with our **Galvanized Eastlake Shingles,** may be called a display—but will make you heartily welcome at our factory and warerooms.

METALLIC ROOFING CO., Limited,

Near the Ex. Grounds. **Cor. King and Dufferin Sts., TORONTO.**

W. C. CRAWFORD AND TILBURY.

ENTERPRISING, energetic, progressive, are adjectives that can be very appropriately applied to the everyday life of W. C. Crawford, who, to-day, stands in the foremost ranks of Canada's business men. Born and brought up on a farm near St. Marys, Ont., he was fortunate in having the training of a father who looked upon farming as being as much of a business venture as any commercial undertaking. He regarded method and a generous supply of brains as necessary to insure success. He also considered that to make boys men, it was essential to teach them self reliance, and, therefore, while still in his teens, Mr. Crawford found himself in business as a horse and cattle buyer, and the experience thus obtained was of inestimable value to him in after years.

On attaining his majority he received his donation of a farm from his father, but, having a desire for a commercial career, he shortly after entered a hardware store in St. Marys, and worked for over a year without remuneration, simply to gain an insight into the business.

Mortgaging his farm he purchased a stock and opened up in Palmerston, Ont., but soon finding that opportunities for advancement were very slight, he commenced to look around him for a better location, taking the advice of a traveler (and what merchant is not in some way indebted to the traveling fraternity ?) he went down to Tilbury to prospect. Driving through the country, his previous experience in farm life enabled him fully to size up the surroundings, and he immediately rented the only vacant building in the village, which proved to be the skating rink, and shortly had his stock transferred.

His promptness in this case was well rewarded, as the next day another prospective hardwareman tried to rent the same building, but, upon hearing that a hardwareman had already rented it, he gave up any idea of locating there. This was in the year 1885.

By constant attention to business, which from the start was of a healthy nature, a larger business was transacted every year. The original building was 23 x 175 ft., two flats, in which was carried an extensive stock of hardware, stoves, tinware and furniture. Realizing that to maintain one's trade, in a country town especially, other lines must be as fully represented as your own, otherwise trade would drift elsewhere, and finding that for want of capital several firms in the general business were languishing, and the trade in those lines was drifting to other centres, Mr. Crawford, with the promptitude that has always characterized his actions in the past, commenced the erection of an additional building of 27 x 175 ft., making his entire building 50 x 175 ft., two flats, and giving him, without doubt, the largest store west of Toronto. This store is now complete, and will open on September 1 with full lines of dry goods, boots and shoes and groceries. It is fitted up with plate-glass front, electric lights, and cash carriers to the office in the centre of the store.

The office is finished in the natural wood, while the windows are so arranged that there is not a dark corner anywhere in the building. The waiting and toilet-rooms are a novel and enjoyable feature in a country store, and will, no doubt, be highly appreciated. Aside from this, Mr. Crawford is also erecting a neat brick building (on the corner above his store) 24 x 48 feet for the Merchants Bank.

Outside of his extensive general business, he carries on a large handle business, and has agents in Montreal and Vancouver.

Taking a keen interest in the affairs of the village, which, principally through his efforts, has its present waterworks system for fire protection as well as several other benefits, such as electric lighting, which his keen business insight has enabled it to obtain.

Mr. Crawford is a member of the

Dominion Travelers' Association and the Toronto Board of Trade, and keeps in touch with the living questions of the day. He enjoys sport in its quieter ways, and summer finds him partial to tennis, while the winter finds him an enthusiast of the "Roarin'" game.

One of the immediate results of Mr. Crawford's move, is that the business, which had formerly been somewhat straggling, is now centralizing, and J. S. Richardson, dry goods, etc., is putting up a fine brick store, 40 x 140 feet, on the corner opposite to that which will be occupied by the Merchants Bank. On the next lot, Henry Beught is erecting a building, 24 x 50 feet, for a private bank, and across the street, the Moffat Block and offices complete a conservative estimate of about $25,000 worth of new buildings that have been erected this year, making about $50,000 worth of new buildings that have been erected in Tilbury during the past two years, and will place Tilbury in the front rank of the towns and villages in Southern Canada, and will, doubtless, greatly benefit its enterprising citizens.

SCOTT MCKERROW.

A NEW SCREWDRIVER.

The North Bros. Mfg. Co., Philadelphia, Pa., are putting on the market a new screwdriver. It will be known as the "Yankee" spiral-ratchet screwdriver, No. 20. It is a modification of this company's No. 30 spiral-ratchet screwdriver. and is designed to push or ratchet screws into place, but not to take them out in that way. It is arranged to be used as a rigid driver by simply moving the shifter to the opposite end of the slot. It has great simplicity, compactness, strength and durability.

The construction of ratchet and pawl permits of a very compact arrangement, making the tool convenient in size and of light weight, yet stronger in these vital points than any similar tool now made. Neither pawl nor ratchet can bend, break or get out of order. The friction in ratchet mechanism is so slight as to be hardly felt; the backward movement, like the "Yankee" ratchet driver, is as easy as in a good "stem-winder," and quite as noiseless.

The nut working in the spiral is of brass, and, with the spiral groove in the rod, is so designed that the wear has been reduced to a minimum.

Full directions for using this driver are given on a small descriptive circular, which can be had from North Bros. for the asking.

This driver is made in three sizes. Size 1 is 14 inches long, including bit, when fully extended, and has a push of 4 inches. Size 2 is 17 inches in length, and has a push of 5 inches. Size 3 is 19 inches in length and has a push of 6 inches.

Three bits are furnished with each of these tools, which are packed singly in strong paper boxes. The screwdriver fully extended, and the bits sold with it, are shown by the accompanying cut. Net prices of this new tool can be had on application.



A GERMAN OPINION.

The present railway mileage of the world is about 443,000, or, counting the known land of the world, 17 square miles to each mile of track. During the past 15 years, the world's railway building has averaged about 14,000 miles annually. But, with the revolution in the industries of the world that has been going on, particularly in the last decade, there has been great increase in the demand for many of the raw materials which underlie the manufacture of great staples, requiring the opening up of new territory, and, of course, the first requisite is transportation, and the foundation of transportation on land is the railroad, so that all demands begin at the ironmaster's door. Aside from the opening up of new and sparsely settled countries, all Europe is now planning to exploit the most densely populated continent of the world, Asia, and to bring modern methods of production and exchange into that oldest of all civilizations. With railroad building in China, in India, in Persia, in Africa, in Australia, in South America, the railway building for the next 15 years promises to be much heavier than for the past 15, and it will carry along with it an enormous use of iron and steel to supply all the necessities of the cruder arts which will be developed as new country is opened up. While in the more highly developed and organized countries iron and steel goes into not only increased machinery and tools, but enormously into construction. The development of new countries to secure raw material necessitates increased tonnage to carry bulky freights, and with this goes larger and faster ships for the more crowded lines of travel and traffic between the great commercial nations, not to mention enormous gains in the internal water commerce of different countries. In this latter respect the United States leads, because of its river tonnage and the still greater tonnage of the Great Lakes. Some idea of this lake tonnage is given in the fact that entries and clearances, in number of vessels and in tonnage at Chicago, considerably exceed that of the port of New York, with Milwaukee and other large Michigan ports, Duluth and other large Superior ports, the ports of Lake Huron, Lake Erie, with Buffalo and Cleveland leading, of Ontario and the St. Lawrence, show what is going on in North America, while, from our Atlantic, Gulf and Pacific ports, new lines and additional steamers are heard of day by day. All this tonnage is going into iron and steel. As it is with us, so is it with other commercial nations. The demand for iron, therefore, rests on the growth of the world, on the rapidly-changing methods of travel and traffic on land and sea and of the bringing of all the industries of the great industrial countries of the world up to the latest methods, in order to meet the necessities of competition in trade. When these facts are considered, it needs no argument to show that the demands for iron and steel must steadily and rapidly increase, and that it is not a temporary demand, but one that is bound to last for many years. This explains why, in spite of advances in prices, which in former years would have checked business, the demand now keeps up and is likely to keep up.—Kuhlow's German Trade Review.

A SMALLER FRUIT EVAPORATOR.

The G. H. Grimm Manufacturing Co. are now putting on the market a smaller size of their "Champion" fruit evaporator suitable for use on the kitchen stove. It is made on the same principle as their larger ones, and will evaporate fruits and vegetables for family use very quickly and with the same fire that does the cooking, producing the best quality of clean white fruit.

This company are issuing a new catalogue which they will be pleased to send to anyone upon application.

PERSONAL MENTION.

Mr. J. S. Weichel, hardware and coal dealer, Elmira and Waterloo, is in Toronto this week doing the Fair.

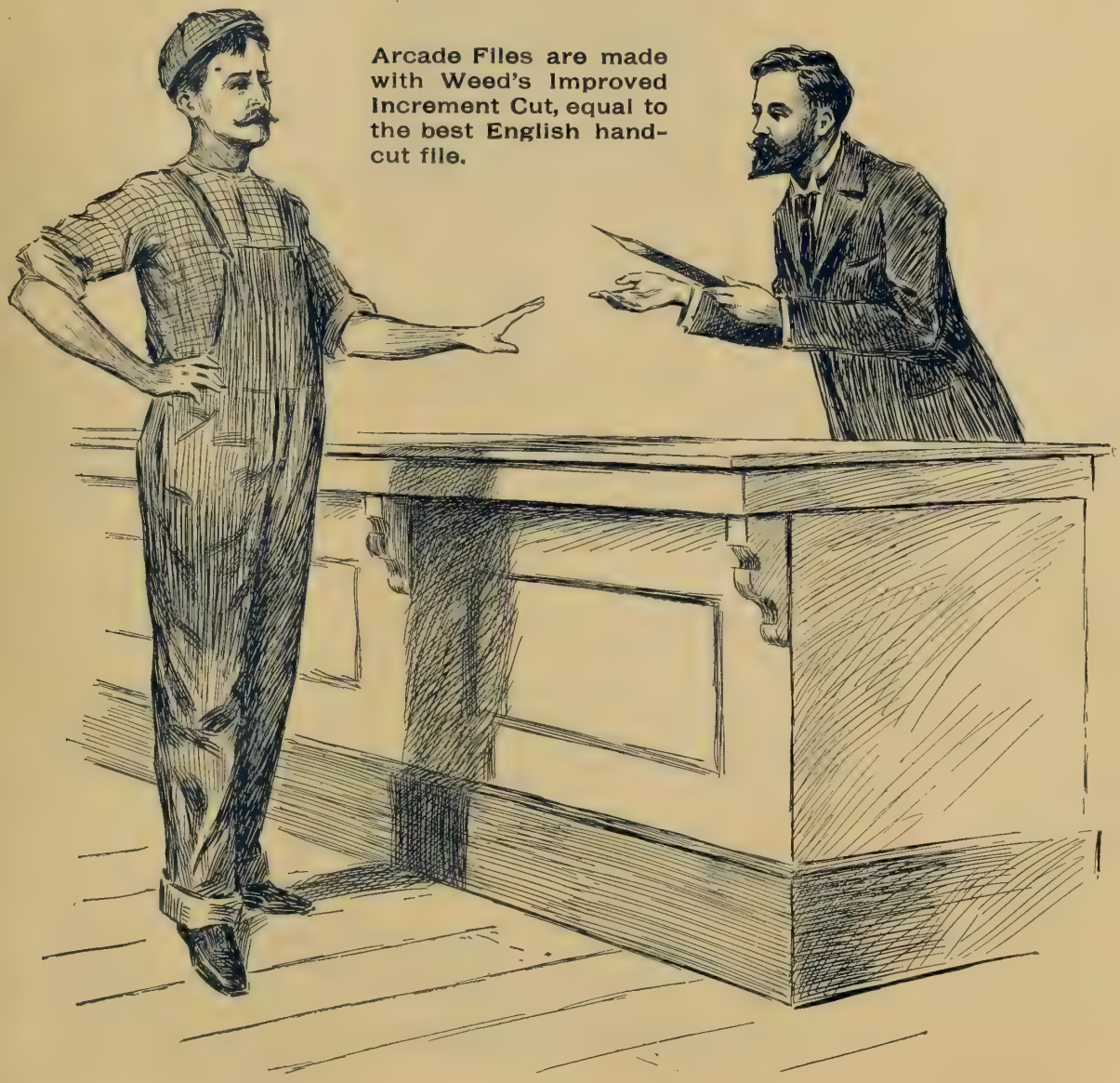
Mr. A. H. Symonds, Toronto, representing George Butler & Co., Limited, Sheffield, England, and other firms, both in Great Britain and the United States, returned a few days ago from a business trip through the Maritime Provinces. He reports business good.

The WORLD'S GREATEST FILE WORKS

ESTABLISHED 1842.

There is no other file "just as good."

THE ARCADE IS THE BEST



Arcade Files are made with Weed's Improved Increment Cut, equal to the best English hand-cut file.

"I want an ARCADE file."
"We are all out of ARCADE files. Try this; it is just as good."
"No, Sir. I want the ARCADE. It cuts faster and wears longer than any other file made."

THE ARCADE FILE WORKS

NEW YORK:
97 Chambers St.
SAMUEL W. ALLERTON,
President.

Works: ANDERSON, IND.
COURTLANDT C. CLARKE,
Sec. and Treas.

CHICAGO:
118 Lake Street.
ALFRED WEED,
Vice-President and Gen'l Mgr.

HEATING AND PLUMBING

MONTREAL MASTER PLUMBERS' PICNIC.

THE third annual picnic held by the masters and journeymen plumbers of Montreal at Otterburn Park, on Saturday, August 26, was a grand success in every particular, and redounded greatly to the credit of the different committees in charge.

Everything that could add to the enjoyment of the pleasure-seekers was thought of and carried out in the fullest manner, and all came home thoroughly satisfied with their day's outing.

The master plumbers themselves, showed their interest by a numerous attendance, and about 250 of the trade with their wives, their families and sweethearts, availed themselves of the pleasure of spending a delightful day at this splendid picnicing grounds.

A long and varied programme of sports was prepared, and included running, jumping and putting the weights, all of which were enthusiastically and strenuously contested, whilst a large pavilion with excellent music was provided for those wishing milder and more pleasing entertainment.

The prizes were handsome and appropriate, and worthy of the donors and the committee. Many of the donations were in cash, which was expended by the committee in buying prizes. Below is a list of the manufacturers who contributed :

LIST OF DONATIONS.

Dominion Radiator Co., cash $10 ; Warden King & Son, cash $10, 1 set stable fixtures; Star Iron Works, cash $10, 1 black watch ; Wm. Clendinning & Son, 1 coffee pot ; H. R. Ives, 1 bedstead ; The Thos. Robertson Co., Limited, cash $10, 1 Primus stove ; Gurney-Massey Co., Limited, cash $10, 1 scale ; Canadian Asbestos Co., ½-gross asbestos lighters ; James Robinson & Co., cash $10 ; Alex. Bremner, 1 wheelbarrow ; The Robert Mitchell Co., cash $10.

Many of the master plumbers also contributed both prizes and money.

RACES AND WINNERS.

Putting 56-lb. weight, open—1st, gas lamp, Crowder ; 2nd, box cigars, Cavagnah ; 3rd, granite tea pot, Gardiner.

Putting 16-lb. Shot—Members only.—1st, Primus stove, J. E. Mullin ; 2nd, enameled coffee pot, Gardiner ; 3rd, asbestos pipe, Budd.

220 Yards' Race—Master plumbers, members only.—1st, set stable fixtures, J. Gardiner ; 2nd, blue flame oil stove, Lesperance ; 3rd, wheelbarrow, Egan.

50 Yards' Race—Boys 12 years and under.—1st, pair boots, Manstin ; 2nd, running shoes, Farrell ; 3rd, baseball bat, Sullivan.

100 Yards' Race—Girls 12 years and under.—Special prizes for all.

100 Yards—Young ladies' race, 3 prizes.

75 Yards' Race—Members' wives only.—Five prizes were given for this race.

440 Yards' Race—Journeymen plumbers, single members.—1st, acetylene gas lamp, Cleland ; 2nd, pipe, Burnett ; 3rd, box of cigars, Lorand.

Putting 16 lb. Shot—Apprentices only.—1st, pair of shifting tongs, Goulest ; 2nd, hat, Monpetit ; 3rd, necktie, Martineau.

220 Yards' Race—Married men only.—1st, bedstead, Mullens ; 2nd, gas lamp, Deperon ; 3rd, hat, Theriault ; 4th, pipe, Budd.

Hop, Step and Jump—Members only.—1st, cruet stand, J. E. Mullens ; 2nd, umbrella, Gardiner ; 3rd, box of cigars, Theriault.

220 Yards' Race—Tinsmiths and roofers—1st, set of carvers, Poquette ; 2nd, asbestos fires, Egan ; 3rd, pair of snips, Denman.

Three-Legged Race, 100 yards.—1st, two umbrellas, Hogan and Rockford ; 2nd, two walking canes, Mullens and Cowper.

100 Yards' Race—Master plumbers, 40 years and over.—1st, scale, John Watson ; 2nd, stocks and dies, C. Egan ; 3rd, set of bells, J. A. Sadler.

Long Jump — Open. — 1st, cigar case, Gillard ; 2nd, cuff links, Laurin ; 3rd, scarf pin, Beaudry.

220 Yards' Race—Members 25 years at trade.—1st, ton of coal, Gardiner ; 2nd, barrel of flour, Crowder ; 3rd, ham, Hickie.

440 Yards' Race—Carters in employ of members only.—1st, driving mitts, Seguin ; 2nd, felt boots, Lesperance ; 3rd, box of tobacco, McCarthy.

One Mile Race—Open.—1st, silver cup, Marshall ; 2nd, pickle jar, Brennan ; 3rd, set of carvers, Smith.

880 Yards' Race — Bookkeepers and clerks, supply houses only.—1st, half-dozen white shirts, Maver ; 2nd, bicycle lamp, Valance ; 3rd, two neckties, Attler.

440 Yards' Race—Apprentices only, three years at trade.—1st, block watch, Hammond ; 2nd, tools, value $2, Sullivan ; 3rd, pair plyers, Evans.

220 Yards' Fat Mens' Race, 200 lb. and over — Members only. — 1st, pickle jar, Lesperance; 2nd, small cruet, Crowder; 3rd, pipe, Atchison.

220 Yards' Smoking Race —Open.—1st. pipe, Bailey ; 2nd, tobacco pouch, Westcott; 3rd, cigar case, Watson.

NOTES.

Several races developed many cases of defective (wind) pipes which no amount of repairs can ever make new.

A man may be a good runner and a good smoker, but to do both at the same time tested the ingenuity of all the racers, and baffled not a few.

P. J. Carroll was the heaviest man on the ground.

Had Mr. Lalonde not been too keen on the start and paid more attention to his feet, he would have made a better showing in the fat man's race.

H. McLaren was a picnic in himself, and no doubt through his knowledge brought back many pleasing remembrances of the day.

Mr. Lesperance is the happy possessor of seven prizes won in fat men's races.

It is to be hoped J. E. Mullens will enjoy many a night's blissful repose on his well-earned bedsted.

Many of the masters, whilst above wiping pipes, did not think it above their dignity to "swipe" a few prizes.

The supply houses were well represented, and among others the following were noticed : W. J. Wall and H. Lamontagne, of the Thos. Robertson Co. ; L. A. Paquette, of Warden King & Son ; R. Lockhart, of Gurney-Massey Co. ; L. A. Mongenais, of Star Iron Works ; H. McLaren, of Safford Radiators ; H. B. Cowper, of R. Mitchell & Co. ; —. Cochran, of Jas. Robinson & Co. ; —. Sullivan, of Pillow, Hersey & Co. ; —, Goodman, of Amiot, Lecours & La Riviere.

The following were the different committees : Games—Mr. Sadler (chairman), J. Watson, R. H. Larin, Joseph Cinq-Mars, Joseph Lamarche, J. W. Harris, E. Kavanagh, J. E. R. Mullin and T. Christie. Train—J. W. Harris, J. E. Mullin, Mr. Sadler and E. Kavanagh. Reception — J. Watson, Joseph O'Hara and Mr. Denman. Social—A. Clelland, James Mackie, W. Desormeau and J. McQuesten.

PLUMBING AND HEATING CONTRACTS.

Fiddes & Hogarth, plumbers, Toronto, have contracts for plumbing and heating of the Y.W.C.A. Home on Elm street, and for residences on Avenue and Admiral roads, and on Grosvenor, Jarvis and Beverley streets.

Rogers & Rogers, Summerside, P.E.I., have secured the contract for the heating and plumbing in H. C. Mills' new residence on Central street, Summerside ; also for Judge McLeod's residence in the same town.

Purdy, Mansell & Co., Toronto, have the contract for the plumbing in four houses on

SEND for specimen copy of Phillips' Monthly Machinery Register, containing over 5,000 entries of new and second-hand machinery of every description. The oldest established and most successful medium in the world. Established 25 years for the purpose of introducing those who have machinery for sale. to those who wish to buy, has a circulation of about 50,000 copies per annum, all over the world, and is used for continual reference by a large number of firms. It is consequently a most valuable advertising medium for all engineers and manufacturers. Subscription, 6s. per annum, price per copy, 6d. Sole Proprietor, CHAS. D. PHILLIPS, M.I M.E., Newport, Mon., England. Telegraphic address: "Machinery, Newport, Mon."

The Syracuse Smelting Works

ARE MANUFACTURERS OF

Plumbers' and Tinsmiths' Solder

of highest quality. Highest market prices paid for old Brass and Copper.

SYRACUSE SMELTING WORKS

MONTREAL.

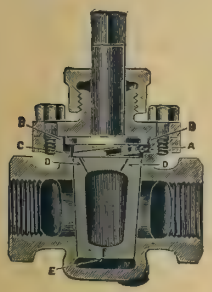


Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon



A perfect

Blow-off Cock

is found in the

Homestead Patent

Has Balanced Plug.
Always Works Easy.
Does Not Leak.

The James Morrison Brass Mfg Co. LIMITED TORONTO.



THE

Copp Heater

PATENTED

This heater has been an extraordinary success. In Winnipeg we know of an instance where it heated a store containing 21,168 cubic feet, and was the only stove used.

This year we have added several impovements, also **a smaller size,** burning 27-inch wood.

Every dealer ought to keep the Copp Heater before his customers. There's fame and money in it for you.

Made only by

THE COPP BROTHERS CO., Limited, - HAMILTON.

STEVENS IDEAL, NO. 44



This is as reliable and accurate a rifle as can be constructed. Placed at a moderate price to meet the demand for such a rifle. It is recommended without qualification and fully guaranteed. Made in the following styles:

.22 Long-Rifle R. F., 25 Stevens R. F., and .32 Long R. F. Standard length of barrel for rim-fire cartridges, 24 inches. Weight 7½ pounds.

.25-20 Stevens C. F., .32-40 C. F., .38-55 C. F., and .44-40 (.44 W. C. F.) Standard length of barrel for center-fire cartridges, 26 inches. Weight, 7¾ pounds.

Half-octagon barrel, oiled walnut stock and fore-arm, rifle butt, case-hardened receiver, sporting rear and Rocky Mountain front sight.

Price, with standard length of barrel, $13.00.

Can be obtained of any of the leading jobbers in Canada at liberal discount from this price.

Send for complete catalogue of our full line of Rifles, Pistols and Machinists' Tools.

J. Stevens Arms & Tool Co., P. O. Box 217, Chicopee Falls, Mass., U.S.A.

Toronto Foundry Co.

Manufacturers of SOIL PIPE, FITTINGS, SINKS, BOILER STANDS.

Nos. 146-148-150 Niagara Street, TORONTO

The only Exclusive Manufacturers of Soil Pipe and Soil Pipe Fittings in Canada. . . . . .

All goods stamped T. F. Co. are warranted.

Ride Good Tires



Samson
New York
C. R. Co.
} Tires are Good Tires.

Write for Catalogue and Prices.

NEW YORK TIRE CO. - - Toronto, Ont.

Walmer road, for C. A. Dinnock ; for the plumbing and gasfitting in two residences on Howland avenue, for Mr. McMullen, and for remodeling the plumbing in the Avonmore, Jarvis street, Toronto.

PLUMBING AND HEATING NOTES.

The post office which is soon to be built in Woodstock will cost about $75,000.

The Penman Manufacturing Co. intend enlarging their factory at Coaticook, Que.

The Glace Bay, N.S., Plumbing, Heating, and General Repair Co. has quit business.

A by-law has been carried in Owen Sound, Ont., to erect an $18,000 central school in that place.

The Canadian Colored Cotton Mills Co. intend erecting a $25,000 addition to their mill in Milltown, N.S.

The stock of F. E. Bayer & Co., plumbers, Halifax, has been taken possession of under bill of sale.

Building operations in New Westminster, B.C., continue brisk. The Capital Box Co., Tacoma, Wash., intend building a woodenware factory there to cost about $40,000. T. E. Julian, architect, is asking tenders for a large brick and stone block. Many smaller buildings are being erected.

A by-law was passed by the citizens of Vancouver on August 25, giving the council power to raise a loan of $150,000 for the purpose of extending and improving the city sewerage system. At the same time a by-law to raise a loan of $20,000 for the purpose of acquiring certain lands fronting on English Bay for a public bathing beach and recreation grounds was lost.

TORONTO BUILDING PERMITS.

Building permits have been issued in Toronto to B. Panter, for a three-storey stone and brick store and dwelling at the corner of King and Spencer streets, to cost $3,000 ; to Dr. Wagner, for a brick and stone consulting room at the corner of Gerrard and Victoria streets, to cost $1,000 ; to John L. Pears, for a one-storey brick dwelling and stable on Davenport, near Avenue road, to cost $3,000 ; to Chas. S. Botsford, for a one-storey addition and alterations to his store at the corner of Queen and Hackney streets, to cost $4,500 ; to The York County Loan and Savings Co., for a pair of two-storey and attic stone and brick dwellings on Grafton avenue, near Triller street, to cost $4,400.

USEFUL LAMP TOOLS FOR SALE.

The Wanzer Lamp and Manufacturing Co., Hamilton, Ont., are advertising in this issue a number of machines which they have been using for small work in connection with their lamp. This is an opportunity for persons having use for such tools to procure them at low cost.

We Want Your Axe Order

FOR FALL SHIPMENT.

Kindly hold it till our representatives call on you.

James Warnock & Co., - Galt, Ont.

COW TIES

Greening's Patent

We make the following :

Open Ring, six sizes.
Small Closed Ring, six sizes.
Large Closed Ring, six sizes.
Three Chain, six sizes.
Greening's Special Tie with Stall Fixtures, five sizes.

Our ties have stood the test for years and are undoubtedly the best in the market. Send for new price list. For sale by all jobbers.

The B. GREENING WIRE CO., Limited

HAMILTON and MONTREAL.



Geo. D. Wood & Co.

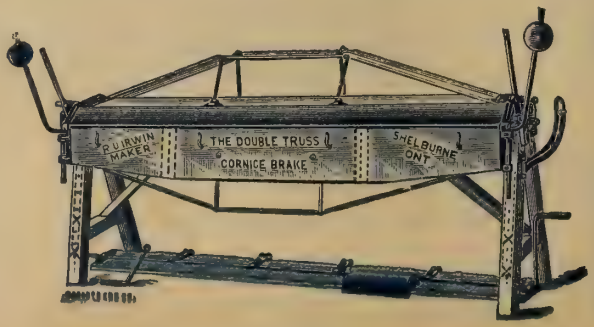
WINNIPEG, MAN.

Importers of and Dealers in

SHELF AND HEAVY
HARDWARE, PAINTS, OIL, GLASS, PUMPS, Etc.

Stock now **complete** in seasonable lines. **Prompt** shipment.

Letter orders receive **special** attention.



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

Price, $50

Very handy beader attachment, $10 extra, if required.

Send for circulars and testimonials to

The Double Truss Cornice Brake Co. SHELBURNE, ONT.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, **Montreal.**

Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates, Galvanized Sheets, Imitation Russia Sheets Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.



VanTuyl & Fairbank

Petrolia, Ont.

Headquarters for . .

Oil and Artesian Well Pumps, Casing, Tubing Fittings, Drilling Tools, Tables, etc.

R. C. LeVESCONTE

Barrister, Solicitor, Notary, Etc.

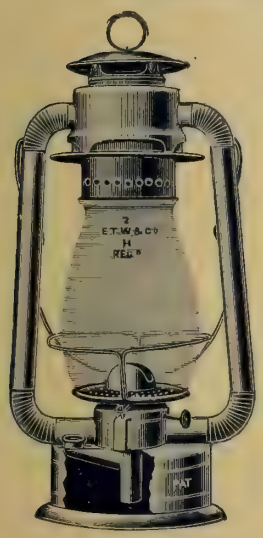
THE McKINNON BUILDING
Cor. Jordan and Melinda Streets

. . . TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.

No. 3 Patent Well.

"Oil wont spill if upset."



Manufactured by

E. T. WRIGHT & CO.

Hamilton, Canada.

Send for New Catalogue.

TRADE MARK J REGISTERED

"JARDINE" TIRE UPSETTERS WILL UPSET TIRES

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.
HESPELER, ONT.

Not in the Combination

Write for prices on

MRS. POTTS SAD IRON HANDLES.

M. SCHRAYER'S SONS & CO.,
49 Blue Island Ave., Chicago, Ills.

Represented by Alex. Gibb, 22 St. John Street, Montreal.

ARE YOU A BUYER of

Hardware, Metals, Paints, Oils, etc. ?

Send us Post Card, and a copy of the latest issue of HARDWARE AND METAL, the leading authority on these trades, will be sent to you free by next mail. Address :

The MacLEAN PUBLISHING CO., Limited

Board of Trade, MONTREAL.
26 Front St. West, TORONTO.
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BUSINESS NEWS

of any kind that is of value to business men supplied by our Bureau. We can give you market quotations from any town in Canada, reports from the city markets, stock quotations, etc. You can get commercial news from any Canadian paper through us.

Write us, giving us particulars of what you want and where you want it from, and we will quote you prices by return.

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TELEPHONE Main 1255. ....**MONTREAL**



PATENTED.

Standing Seam and Slate Roof SNOW SHOE IRONS



No snow rails need be used unless desired. The lugs clinch through the seam easily but securely. Send for catalogue.

Berger Bros. Co., Mfrs. of TINNERS' HARDWARE AND ROOFERS' SUPPLIES, **Philadelphia, U.S.A.**

Gunn's Patent "Brassic" Goods



Made by an entirely new process.
Cheaper and better than old style.
Your stock not complete without them.

THE GUNN CASTOR CO., Limited
KNOX HENRY,
Canadian Agent, 220½ Board of Trade, MONTREAL.

EVERY ORIGINAL TIN HAS THIS IMPRESSION ON A WHITE CAPSULE NOBLES & HOARE LONDON ENGLAND

Nobles & Hoare,

CORNWALL ROAD STAMFORD STREET.

LONDON, ENG.

Manufacturers of

HIGH-CLASS VARNISHES ONLY

Which can be obtained direct from the works or from the principal Color Dealers in Canada.

HUTCHISON, SHURLY & DERRETT

DOVERCOURT TWINE MILLS.

1078 BLOOR STREET WEST, TORONTO.

Having equipped our Factory with entirely new machinery, we are prepared to furnish the best made goods in the market at closest prices and make prompt shipments.

Hand Laid Cotton Rope and Clothes Lines,
Cotton and Russian Hemp Plough Lines, plain and colored.
Cotton and Linen Fish Lines, laid and braided.
Netted Hammocks, white and colored, Tennis and Fly Nets.
Skipping Ropes, Jute, Hemp and Flax Twines.

WADE & BUTCHER'S

"SPECIAL" Razors

Are unequalled for quality and finish.

JAMES HUTTON & CO., - MONTREAL

Sole Agents for Canada.

CURRENT MARKET QUOTATIONS.

Sept. 1, 1899.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—	
56 and 28 lb. ingots, per lb.	0 37
Straits	0 37

Tinplates.

Charcoal Plates—Bright.

	Per box
M.L.S., equal to Bradley.	
I.C., usual sizes	$6 50
I.X., "	7 75
I.X.X., "	9 00
J. R. & Co.—	
I.C	6 00
I.X	7 25
I.X.X	8 50
Famous—	
I.C.	6 25
I.X.	7 50
I.X.X	8 75
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	5 75
I.X.X. "	6 50
I.XXX., "	7 25
D.C., 12½x17	4 50
D.X	5 25
D.X.X	7 25

Coke Plates—Bright.

Bessemer Steel—	
I.C., usual sizes	4 35
I.C., special sizes, base	4 50
20x28	8 75

Charcoal Plates—Terne.

Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 00
I.X., Terne Tin	9 25

Charcoal Tin Boiler Plates.

	Per lb.
Cookley Grade—	
X X., 14x56, 50 sheet bxs	0 07
" 14x60 "	0 07½
" 14x65, "	

Tinned Sheets.

72x30 up to 24 gauge	0 07½ 0 08
" 26 "	0 08 0 08½
" 28 "	0 08½ 0 09

Iron and Steel.

	Base	Price
Common Bar, per 100 lbs		2 15
Refined " "		2 65
Horse Shoe		2 40
Hoop steel, 1½ to 3 in. base, extras for smaller sizes		2 75
Swedish " "	4 00	4 25
Sleigh Shoe Steel " base		
Tire Steel		
Machinery		2 65
Cast Steel, per lb	0 10	0 14
Toe Calk Steel		
Thos. Firth & Sons' Cast Steel	0 12	0 14
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker.	2 00	2 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½-inch	0 11
2 "	0 12
2½ "	0 14
"	

Steel Boiler Plate.

¼ inch	3 25
3-16 inch	3 40
⅜ inch and thicker	3 25

Black Sheets.

18 gauge	2 75
20 "	2 75
22 to 24 "	2 90
26 "	3 05
28 "	3 2

Canada Plates.

All dull, 52 sheets	2 75
Half polished	2 85
All bright	3 20

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ⅜ inch, $3 35 ; ½ inch, $3.40 ; ¾ inch, $4.00: 1 inch, $5.50; 1¼ inch, $7.35 ; 1½ inch, $9.25; 2 inch, $12.50. 2½ to 6 inch, discount 45 p.c.

Galvanized, ⅜ inch, $6.00: ½ inch, $6.30 ; ¾ inch, $8.00 1 inch, $11.00 ; 1¼ inch, $15.25 ; 1½ inch, $19.00 ; 2 inch, $27.00.

Galvanized Iron.

	G C. Comet.	Amer.	Queen's Head
16 gauge			4 25
18 to 24 gauge	4 50		4 50
26 "	4 75		4 75
28 "	5 00		5 00

Less than case lots, 25c. per 100 lb. additional.

Chain.

Proof Coil, 3-16 in., per 100 lbs	6 75
" ¼ " "	4 75
" 5-16 " "	4 30
" ⅜ " "	4 15
" 7-16 " "	3 05
" ½ " "	3 85
" ⅝ " "	3 75
" ¾ " "	5 90
Trace, per doz. pairs	3 60
Jack chain, iron, single, per doz. yards	0 13 0 50
Jack chain, double, per doz. yards	0 15
Jack chain, brass, single, per doz. yards	20 10

Copper.

Ingot.

English B. S., ton lots	0 20 0 21
Lake Superior	

Bolt or Bar.

Cut lengths, round, ½ to ⅞ in.	0 23½ 0 25
" round and square 1 to 2 inches	0 23½ 0 25

Sheet.

Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 23 0 23½
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 23 0 23½

NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.

Tinned copper sheets	0 26
Planished	0 32

Braziers. (In sheets.)

4x6 ft. 25 to 30 lbs. ea., per lb.	0 25½
" 35 to 45 " "	0 24½
" 50-lb. and above, "	0 23½

Boiler and T. K. Pitts.

Plain Tinned, per lb	0 28
Spun, per lb	0 32

Brass.

Roll and Sheet, 14 to 30 gauge, 5 per cent.

Sheets, hard-rolled, 2x4	0 24 0 25
Tubing, base, per lb	0 24 0 25

Zinc Spelter

Foreign, per lb	0 07½ 0 07¼
Domestic "	

Zinc Sheet.

5 cwt. casks	0 08¼
Part casks	0 08½

Lead.

Imported Pig, per lb	0 04½ 0 04¾
Domestic, per lb	
Bar, 1 lb	05¼
Sheets, 2½ lbs. sq. ft., by roll.	0 05 05¼
Sheets, 3 to 6 lbs., per sq. ft., by roll	0 04¾ 0 05

NOTE.—Cut sheets ½ cent per lb. extra Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 20 per cent. discount

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths, lists at 7½ cents.

Shot.

Ordinary, drop, $4.75 per 100 lb. ; chilled, $5.15 per 100 lb. F.O.B. Toronto : terms 3 per cent. cash, freights equalized on Montreal.

Soil Pipe.

Discount, 50 and 10 per cent.

Solder.

	Per lb.	Per lb.
Bar half-and-half	0 22	0 23
Refined	0 21	0 22
Wiping	0 18	0 19

NOTE.—Prices of this graded according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 11 0 11½

White Lead.

	Per cwt.
Pure, Assoc. guarantee, ground in oil, 25 lb. irons	6 12½
No. 1 do	5 75
No. 2 do	5 37½
No. 3 do	5 00
No. 4 do	4 62½
Robertson's Chemically Pure	6 12½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B. B. Genuine	8 12½
" " No. 1	7 25
James' genuine	7 20
" " No. 1	6 75

White Zinc Paint.

Elephant Snow White	0 08 0 09
Pure White Zinc	0 08 0 09
No. 1	0 06 0 07½
No. 2	0 05 0 06½

Dry White Lead.

Pure, casks	0 05⅛
Pure, kegs	0 05⅜
No. 1, casks	0 04⅞
No. 1, kegs	0 05⅛

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)

Pure, per gallon	1 00 1 10
Second qualities, per gallon	0 90 0 95
Barn (in bbls.)	0 70 0 90
The Sherwin-Williams Paints	1 30
Canada Paint Co's Pure	1 10 1 20
Robertson's Pure	1 00 1 10
Sanderson Pearcy's Pure	1 00 1 10
Toronto Paint and Color Co.'s Pure	1 10 1 20

Colors in Oil.

(25 lb. tins, Standard Quality.)

Venetian Red, per lb	0 05
Chrome Yellow	0 11
Golden Ochre	0 06
French "	0 05
Marine Black	0 09
" Green	0 09
Chrome "	0 08
French Imperial Green	0 19

Colors, Dry.

Yellow Ochre (J. C.) bbls. per cwt	1 35 1 40
Yellow Ochre (J.F.L.S.), bbls. per cwt	2 75
Yellow Ochre (Royal), per cwt	1 10 1 15
Brussels Ochre	2 00
Venetian Red (best). per cwt.	1 80 1 90
English Oxides, per cwt.	3 00 3 25
American Oxides, per cwt	1 75 2 00
Canadian Oxides, per cwt.	1 75 2 00
Super Magnetic Oxides, 93 p c.	2 00 2 25
Burnt Sienna, pure, per lb.	0 10
" Umber, " "	0 10
do aw	0 09
Drop Black, pure	0 09
Chrome Yellows, pure	0 18
Chrome Greens, pure. per lb.	0 12
Golden Ochre	0 03¾
Ultra marine Blue in 28-lb boxes, per lb	0 08 0 24
Fire Proof Mineral, per 100 lb.	1 00
Genuine Eng. Litharge, per lb	0 07
Mortar Color, per 100 lb.	1 25
James' Gen. Red Lead, 100 lb	0 04⅞
Pure Indian Red, No. 45, lb.	0 08
Whiting, per 100 lb.	0 55

Paris Green.

250 lb. casks	0 13½
50 lb. drums	0 14
1 lb. packages	0 15
½ lb. "	0 16½
1-lb. tins	0 15½

Sulphate of Copper.

Casks, for spraying, per lb	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bladders in bbls.	1 80
Bladders in 100 or 200 lb. kegs or bxs	1 95
Bulk in bbls., per 100	1 65
Bulk in less quantities	1 80
25-lb. tins, 4 in case	2 05
12½-lb. tins, 8 in case	2 30

Quotations f.o.b. Toronto—10c. per 100 lbs. extra Hamilton, London, Guelph. For quantities less than 100-lbs., 2½c. per lb.

Varnishes.

(In 5-gal. lots.).

		Per gal.
Carriage, No. 1	1 30	1 40
Extra do.	1 50	1 60
Body Varnish	3 40	3 50
Furniture Varnish	0 50	0 60
Extra do.	1 00	1 10
Demar Varnish		1 50
Hard Oil Finish	1 30	1 35
Orange Shellac Varnish	2 00	2 10
White Shellac	2 20	2 25
Rubbing Varnish		2 00
Brown Japan		0 75
Elastic Oak	1 20	1 30

Linseed Oil.

Raw, per gal. net	0 57
Boiled, per gal. net	0 60

Outside points 1c. more than above figures

Turpentine.

1 to 4 barrels, net	0 72

Outside points 1c. more

Castor Oil.

In cases, per lb	0 09
Small lots	0 10

Cod Oil, Etc.

Cod Oil, per gal.	0 50 0 55
Pure Olive	1 20
" Neatsfoot	90

Glue.

(In bbls.)

Common	0 08½ 0 09
French Medal	0 12 0 12½
Cabinet, sheet	0 11 0 12
White, extra	0 16 0 18
Gelatine	0 22 0 30
Strip	0 16 0 18
Coopers	0 19 0 20
A1 clear	0 09

HARDWARE.

Ammunition.

Cartridges.

B. B. Caps. Dom., 50 and 5 per cent.
Rim Fire Pistol, dis. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18 p.c. Amer.



Dodge

Standard Wood Split Pulleys

ARE USED BY EVERY MILL AND FACTORY IN CANADA.

Live hardware houses keep our catalogue and discount sheet at hand, and display our handsome hanger.

Ours is the largest and most complete Pulley Works in the Dominion.

DODGE MANUFACTURING CO.

of Toronto, Limited **TORONTO, ONT.**

WORKS : Toronto Junction. CITY OFFICES : 74 York St.

Central Fire Cartridges, pistol sizes, Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.
Brass shot Shells, 55 and 10 per cent.
Primers, Dom., 80 per cent.

Wads.

	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½- lb. bags	0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 10 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 33⅓ per cent.

Anvils.

Per lb	0 10	0 12½
Anvil and Vice combined each	....	4 50
Wilkinson & Co.'s Anvils..lb.	0 09	0 09½
Wilkinson & Co.'s Vices..lb.	0 09¾	0 10

Augers.

Gilmour's, discount 50 and 10 p.c. off revised list.

Hollow, Stearn's, per dozen..	13 00	20 00
Adjustable, Stearn's, each..	4 50	6 50
Post-hole, Vaughan's, each..	60	90

AXES.

Splitting Axes	5 25	5 50
Chopping Axes—		
Single List, per doz	8 00	12 00
Double List, "	11 00	18 00

Bench Axes, 40 and 15 p.c.
Broad Axes, 33⅓ per cent.

Hunters' Axes	5 25	5 50
Boy's Axes	5 75	6 75

Bath Tubs.

Zinc	3 90	4 00

Copper, discount 40 and 10 p.c. off revised list
Steel clad, 20 per cent. discount off revised list. Boxing extra.

Anti-Friction Metal.

"Tandem" A	per lb.	0 23
" B	"	0 19
" C	"	0 11½

Magnolia Anti-Friction Metal, per lb. 0 25
F. O. B. New York or Chicago.

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent.

Door.

Gongs, Sargant's	5 50	8 00
" Peterboro', discount 50 per cent.		

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00

Blacksmiths', discount 60 per cent.

Belting.

Extra, 50 per cent.
Standard, 50 and 10 to 50, 10 and 5 per cent.
Agricultural, 60 and 10 p.c.

Bits.

Auger.

Gilmour's, discount 50 and 10 per cent
Rockford, Common, 70 to 70 and 10 per cent.
" Perfection, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent.

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind Rollers.

Annex, per doz	1 25	1 75
Mascott, "	1 35	1 85
Erminie, "	1 00	0 00

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Norway Bolts, full square	65
Common Carriage Bolts, 5-16 & under	55
" " " ⅜ and larger.	50
" " " full square	65
Machine Bolts, all sizes	55
Coach Screws	67½
Sleigh Shoe Bolts	72½
Blank Bolts	55
Bolt Ends	62½
Nuts, square	3¾c. ..
Nuts, hexagon	4¼c. ..
Tapping Nuts	60
Tire Bolts	60 and 10
Stove Bolts	60 and 10

Boot Calks.

Small and medium, per M	4 50	
Small heel, per M	4 25	

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent.

Henis, No. 8, "	....	6 00
Henis, No. 9, "	....	7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Plain building, per roll		0 28
Tarred lining, per roll		0 35
Tarred roofing, per 100 lb		1 40
Coal Tar, per barrel		3 75
Pitch, per 100-lb		0 60
Carpet felt, per 100 lb		2 25

Bull Rings.

Copper, $2.50 for 2½ in. and $2 for 2 in.

Butts.

Brass.

Wrought Brass, net revised list.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel.

Fast Joint, dis. 60 and 10 per cent.
Loose Pin, dis. 60 and 10 per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Cards.

Horse, per doz	0 60	1 00

Carpet Sweepers.

Bissell, per doz	....	22 50
World, "	....	21 75
Daisy, "	....	24 00
Star, "	....	18 00
Crown Jewel, per doz	....	29 00
Grand Rapids, "	24 00	33 00

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	2 65	2 90
English "	....	3 00
Belgian "	....	2 70
Canadian hydraulic	1 00	1 10

Figures are for barrel lots.

Chalk.

Carpenters, Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 60 and 5 per cent.
Warnock's, dis. 60 per cent.

Churns.

Revolving Churns, metal frames—No 0, $3—No. 1, $3.2[illegible]—No. 2, $3.40—No. 3, $3.75—No. 4, $4.50—No. 5, $5.90 each. Ditto, wood frames—15c. each less than above. Terms 4 months or 3 p.c. off 30 days, f.o.b.

Clips.

Axle dis. 65 per cent.

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 20 per cent. from factory.

Dies.

Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. per cent.

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Broad's, dis 75 per cent.
Warnock's, dis. 50 and 10 per cent.

Drills.

Hand and Breast.

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis. 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.

EARTHENWARE.

Clothes, washout, plain	4 50	
" " embossed	4 75	
Closet connection	1 25	
Basins, round, 14 in	0 65	
" oval, 17 x 14 in	1 55	
" " 19 x 15 in	2 30	

ELBOWS.

Stovepipe.

Per doz	0 85	1 70

FACTORY MILK CANS.

Discount off revised list, 45 per cent.

FILES.

Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Jowitt's, English list, 25 to 27½ per cent
Mechanics' Star & File Mfg. Co. Discount 60 and 10 to 70 per cent.

FORKS.

Hay, manure, etc., dis., 60 and 10 to 60 and 5 p. c. revised list.

FREEZERS

Ice Cream.

White Mountain, 1 to 25 qt	1 35	13 50
Arctic, dis. 50 p.c.		

FRY PANS.

Acme, dis. 65 to 67½ per cent.

FRUIT PRESSES.

Henis', per doz	3 25	3 50

Shepard's Queen City, dis. 15 per cent.

GAUGES.

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

GLASS.

Window.

Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	Double Diamond Per 50 ft.	Double Diamond Per 100 ft
Under 26	2 10	4 00	3 50	6 00
26 to 40	2 30	4 35	3 75	6 65
41 to 50	....	4 75	....	7 25
51 to 60	....	5 00	....	8 50
61 to 70	....	5 35	....	9 25
71 to 80	....	5 75	....	10 50
81 to 85	....	6 50	....	11 75
86 to 90	....	7 25	....	14 00
91 to 95	....	....	....	15 50
96 to 100	....	....	....	18 00
101 to 105	....	....	....	21 00
106 to 110	....	....	....	24 00
111 to 115	....	....	....	28 00

16 x 16 10 per cent. off.

HALTERS.

Rope, ⅜ per gross	8 25	8 55
" ½ "	9 25	6 50
" ⅝ "	11 00	11 20
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis 5 to 10 per cent. Can. dis. 25 to 27½ per cent.

Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz., net	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pair	0 40	2 50

Fork

C. & B., dis. 45 per cent. rev. list.

Hoe.

C. & B., dis. 45 per cent. rev. list.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 45 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾	0 20

HANGERS.

Door, 4 and 5 inch, per pair	0 40	0 50

Lane's, 62½ per cent.

HARVEST TOOLS.

Discount, 60, 10, and 5 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent.

HINGES.

Blind, Parker's, dis. 60 and 10 to 65 per cent.
" Shepard's Noiseless, dis. 60 per cent.
" " Buffalo, dis. 60 to 70 p. c.

Heavy T and strap, 4-in., per lb		0 06
" " 5-in., "	....	0 05¾
" " 6-in., "	...	0 05½
" " 8-in., "	....	0 05¼
" " 10-in., "	....	0 05
Screw hook and hinge—		
6 to 12 in., per 100 lbs	....	3 75
14 in. up, per 100 lbs	...	3 00

	Per gro. pair
Spring	8 50

HOES.

Garden, Mortar, etc., dis 60, 10 and 5 p.c.

Planter, per doz	4 00	4 50

HOOKS.

Cast Iron.

Bird Cage, per doz	0 50	1 10
Clothes Line, per doz	0 27	0 63
Harness, per doz	0 72	0 88
Hat and Coat, per gross	1 00	3 00
Chandelier, per doz	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.

Hat and Coat, discount 60 per cent.
Belt, per 1,000 ... 0 60 0 70
Screw, bright, dis. 65 and 10 per cent.

HORSE NAILS.

"C" brand 50 p.c. dis.
"M" brand 50 p.c. } Oval head.

Acadian, 50 and 20 p.c., countersunk head.

HORSESHOES.

Iron Shoes.	F.O.B. Toronto. No. 2 and larger.	No. 1. and smaller.
Light, medium, and heavy	3 60	3 85
Snow shoes	3 85	4 10

Steel Shoes.

Light	4 00	4 25
Featherweight (all sizes)	5 25	5 25

JAPANNED WARE.

Discount, 50 per cent. off list, June, 1899.

ICE PICKS.

Star, per doz	3 00	3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb ... 0 30 0 35
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 50 p.c.
Cabinet, trunk, and padlock, Am. per gross ... 60

KNOBS.

Door, japanned and N.P., per doz		1 00
Bronze, Berlin, per doz	2 75	3 25
Bronze Genuine, per doz	6 00	9 00
Shutter, porcelain, F. & L. screw, per gross	1 30	4 00

KNIVES.

Clauss, bread, cake, and paring knives, $7 00 doz. sets net. to 10 per cent.
Christie, bread, cake, and paring knives, $7 00 doz. sets, with 10 p.c. off.
Hay knives, spear point, L. or T handle, 60 10 and 5 per cent.

Lightning, per doz	6 50	8 40

Heath's, $7.75 net.

LANTERNS.

Cold Blast, per doz	7 50
No. 3 "Wright's"	8 50

LEMON SQUEEZERS.

	per doz.	
Porcelain lined	2 20	5 60
Galvanized	1 87	3 85
King, wood	2 75	2 90
King, glass	4 00	4 50
All glass	1 20	1 30

LINES.

Fish, per gross	1 05	2 50
Chalk "	1 90	7 40

LOCKS

Canadian, dis. 45 p.c.
Russell & Erwin, per doz ... 2 00 2 20

Cabinet.

Eagle, dis. 30 p.c.

Padlock.

English and Am., per doz	50	6 00
Scandinavian, "	1 00	2 40

Eagle, dis. 15 to 17½ p.c.

MACHINE SCREWS.

Iron and Brass.

Flat head, discount 25 p.c.
Round Head, discount 20 p.c.

MALLETS.

Tinsmiths', per doz	1 25	1 50
Carpenters', hickory, per doz	1 25	3 75
Lignum Vitae, per doz	3 85	5 00
Caulking, each	60	2 00

MATTOCKS.

Canadian, per doz	8 50	10 00

American, 60 and 10 p.c. off list.

MEAT CUTTERS.

American, dis. 30 to 32½ p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2d. and 3d	$3 25	$3 95
3d	2 90	3 60
4 and 5d	2 85	3 45
6 and 7d	2 65	3 25
8 and 9d	2 40	3 10
10 and 12d	2 35	3 05
16 and 20d	2 30	3 00
30, 40, 50 and 60d. (base)	2 25	2 95

Steel Cut Nails 10c. extra.

NAIL PULLERS.

German and American	1 85	3 50

NAIL SETS.

Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.

Poultry, 40 per cent. for McMullen's.

OIL.

Canada refined (Toronto)		0 13½
Sarnia Water White		0 15
" Prime White		0 14
American w. w.		0 16½
Pratt's Astral		0 18

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz	0 00	11 00
Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz	1 25	3 50
Brass, "	1 50	3 50

Malleable, dis. 25 per cent.

PAILS.

	per doz.
Galvanized, straight pattern No. 12	2 00
Galvanized, straight pattern No. 14	2 25
Galvanized, straight pattern No. 16	2 55
Flaring pattern, No. 11	2 25
" " No. 12	2 50
" " No. 13	2 85
" " No. 14	3 30

PIECED WARE.

Discount, 45 per cent. off list, June, 1899.

PICKS.

Per doz	6 00	9 00

PICTURE NAILS.

Porcelain head, per gross	1 40	3 00
Brass head, "	0 40	1 00

PLANES.

Wood, bench, Canadian dis. 55 per cent. American dis. 55.
Wood, fancy Canadian or American, 37½ to 40 per cent.
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.
Miscellaneous, dis. 25 to 27½ per cent.
Bailey's Victor, 25 per cent

PLANE IRONS.

English, per doz	2 00	5 00

PLIERS AND NIPPERS.

Button's Genuine, per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz | 5 00 | 9 00
German, per doz | 0 60 | 2 60

PULLEYS.

Hothouse, per doz	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS

Canadian cistern	1 40	2 25
Canadian pitcher spout	1 15	2 00

PUNCHES.

Saddlers', per doz	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set	0 00	0 72
" hollow, per inch	0 00	1 00

RAKES.

Cast steel and malleable Canadian, list dis. 50 and 10 p.c revised list.
Wood, 25 per cent.

RASPS AND HORSE RASPS.

New Nicholson horse rasp, discount 60 p.c.
Globe File Co.'s rasps, 60 and 10 to 70 p.c.
Heller's Horse rasps, 50 to 50 and 5 p.c.

RAZORS.

	per doz.	
Geo. Butler & Co.'s	8 00	18 00
Boker's	7 50	11 00
Wade & Butcher's	3 60	10 00
Theile & Quack's	7 00	12 00

REAPING HOOKS.

No. 2	$2 00
No. 3	2 05
No. 4	2 15
No. 5	2 20

RIVETS AND BURRS.

Carriage, Section, Wagon Box Rivets, etc. (Steel), 55 p.c.
Carriage, Section, Wagon Box Rivets, et (Norway Iron), 55 p.c.
Black M. Rivets (Steel), 45 p.c.
Black and Tinned Rivets, 55 p.c.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets & Burrs, 35 p.c. dis., and cartons, 1c. per lb. extra, net.
Extras on Tinned or Coppered Rivets in ½-lb. cartons, 1c. per lb.
Burrs, iron or steel, 40 per cent.
Terms, 4 mos. or 3 per cent. cash 30 days.

RIVET SETS.

Canadian, dis. 35 37½ per cent.

ROPE, ETC.

	Sisal.	Manila.
7-16 in. and larger, per lb.	11½	13
⅜ in.	12	13½
¼ and 5-16 in.	12½	14
Cotton		14
Russia Deep Sea		15½
Jute		8
Lath Yarn		9¾
New Zealand Rope		10½

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

Mrs. Potts, per set		0 70
" N. P., per set		0 85

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 2½ per cent.
Emery, 40 per cent.

SASH CORD.

Per lb	0 20	0 50

SASH WEIGHTS.

Sectional, per 100 lbs		3 25
Solid, "		1 50

SAWS.

Hand, Disston's, dis. 12½ to 15 p.c.
S. & D., 40 per cent.

Crosscut, Disston's, per ft	0 35	0 55

S. & D., dis. 35 p.c. on Nos. 2 and 3.

Hack, complete, each	0 75	2 75
" frame only		0 75

SAW SETS.

"Lincoln," per doz	5 50	6 00

SCALES

Gurney Scales, 45 p.c.
B. S. & M. Scales, 45 p.c.
Champion, 55 per cent.
Fairbanks Standard, 45 p.c.
" Dominion, 60 p.c.
" Richelieu, 60 p.c.
Chatillon Spring Balances, 25 p.c.

SCREENS.

Door, patent per doz	6 00	12 00
Window, per doz	2 00	3 00

SCREW DRIVERS.

Sargent's, per doz	0 65	1 00

SCREWS

Wood, F. H., iron, and steel, 80 and 5 p.c.
Wood R. H., " dis. 75 and 5 p.c.
" F. H., brass, dis. 75 and 5 p.c.
Wood, R. H., " dis. 67½ and 5 p.c.
" F H, bronze, dis. 67½ and 5 p.c.
" R.H. " 62½ and 5 p.c.
Drive Screws, 82½ and 5 per cent.

Bench, wood, per doz	3 25	4 00
" iron, "	4 25	5 75

SCYTHES.

Discount, per doz. net	4 50	6 00

SCYTHE SNATHS.

Canadian, dis. 50 p.c.

SHEARS

Seymour's, dis. 50 and 10 p.c.
Heinisch, dis. 50 and 10 p.c.
Clauss, full nickel, 50 and 10 p.c.
" japanned handles, 67½ p.c. off.
Seymour or Heinisch tailor shears. 15 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SNAPS.

Harness, German, dis. 35 to 37½ p.c.		
Acme	3 00	5 00
Lock, Andrews'	4 50	11 50

SOLDERING IRONS.

1, 1½ lb., per lb	0 37
2 lb. or over, per lb	0 34

WROUGHT SPIKES.

Discount, 35 to 40 per cent.

SQUARES.

Iron, per doz	1 65	2 90

Steel, dis. 70 per cent., revised list.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p.c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized	3 25
Bright	3 00

STOCKS AND DIES.

American dis. 25 p.c.

STONE.

	Per lb,	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador		0 13
" Axe		0 15
Turkey		0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, per ton	15 00	18 00

STOVE PIPES.

5 to 6 inch, per 100 lengths		6 75
7 inch, per 100 lengths		7 25

Stove Polish.



No. 4—3 dozen in case, net cash $4 50
No. 6—3 dozen in case, " 7 50

STEP LADDERS.

Best grade, from 3 to 10-ft. long, per foot, 16c.
2nd grade, 3 to 10-ft., per foot, 10c.

TACKS BRADS, ETC.

	Per cent.
Strawberry box tacks, bulk	75 and 10
Cheese-box tacks, blued	85
Trunk tacks, black and tinned	85
Carpet tacks, blued and tioned	80
" (in kegs)	40
Cut tacks, blued, in dozens only	75 and 5
" ¼ weights	60
Swedes, cut tacks, blued and tinned—	
In bulk	80 and 12½
In dozens	75
Swedes, upholsterers', bulk	85
" brush, blued and tinned, bulk	50
" gimp, blued, tinned & japanned	75
Zinc tacks	30
Leather carpet tacks	60
Copper tacks	50
Copper nails	52½
Trunk nails, black and tinned	70
Clout nails, blued and tinned	70
Chair nails	40
Cigar box nails	40
Patent brads	45
Fine finishing	45
Picture frame points	20
Lining tacks, in papers	10
" " in bulk	15
" " solid heads, in bulk, 75 and	12½
Saddle nails in papers	10
" " in bulk	15
Tufting buttons, 22 line, in dozens only	60
Tin capped trunk nails	15
Zinc glazier's points	5
Double pointed tacks, dozens	85 and 5
" " " bulk	40

TAPE LINES.

English, ass skin, per doz	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TINWARE.

Stamped, dis., Assn. list, 80 per cent.
Japanned, prices on application.
Pieced, prices on application.

TRANSOM LIFTERS.

Payson's per doz	2 60

TRAPS. (Steel.)

Game, Newhouse, dis. 40 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's, discount 10 per cent.		
German, per doz	4 75	6 00
Brade's "	5 00	10 50

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb		0 21
Wrapping, mottled, per pack	0 50	0 60
Wrapping, cotton, per lb	0 17	0 18
Mattress, per lb	0 33	0 45
Staging, "	0 27	0 35
Broom, "	0 30	0 55

VISES.

Hand, per doz	4 00	6 00
Bench, parallel, each	2 00	4 50
Coach, each	6 00	7 00
Peter Wright's, per lb	0 12	0 13
Pipe, each	5 50	9 00
Saw, per doz	6 50	13 00

ENAMELLED WARE.

White Ware, discount 50 per cent.

WIRE.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Smooth Steel Wire, base, $3.00 f.o.b. factory points. List of extras: Nos. 2 to 5, advance 7c. per 100 lb.—Nos. 6 to 9, base—No. 10, advance 7c.—No. 11, 14c.—No. 12, 20c.—No. 13, 35c.—No. 14 47c.—No. 15, 60c.—No. 16, 7 5c. Extras net per 100 lb.: Coppered wire, 60c.—tinned wire, $2—oiling, 10c.—special hay-bailing wire, 30c.—spring wire, $1—best steel wire, 75c.—bright soft drawn, 15c.—in 50 and 100-lb. bundles net, 10c.—in 25-lb. bundles net, 15c.—packed in casks or cases, 15c.—bagging or papering, 10c.
Fine Steel Wire, dis. 17½ per cent. factory. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, $7.65—No. 24, $8—No. 25, $9—No. 26, $9.50—No. 27, $10—No. 28 $11—No 29, $12—No. 30, $13—No. 31, $14—No 32, $15 No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31, $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles. 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.40—No. 9, $2.90—No. 10, $3.50—No. 11, $3.55—No. 12, $3 05—No. 13, $3.15—No. 14, $3 9 —No. 15, $4.50—No. 16. $4.65.

Broom Wire, per lb	0 05	0 05½
Clothes Line Wire, 19 gauge, per 1,000 feet		3 30

WIRE FENCING.

	F.O.B Toronto
Galvanized, 4 barb, 2¼ and 5 inches apart	3 25
Galvanized, 2 barb, 4 and 6 inches apart	3 25
Galvanized, plain twist	3 25

Terms, 2 per cent. in 10 days.

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net	1 75

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 70 to 70 and 10 p.c.
Standard, dis. 60, 60 and 10 per cent.
Coe's Genuine, dis. 30 to 32½ p.c.
Diamond, dis. 33½ to 35 per cent.

Towers' Engineer, each	2 00	7 00
" S., per doz	5 80	6 00
G. & K.'s Pipe, per doz		3 40
Burrell's Pipe, each		3 00
Pocket, per doz	0 25	2 90

WRINGERS.

Leader, per doz.	$60 00
Royal Canadian "	58 00
Royal American "	48 00

Discount, 45 per cent.: terms 4 months, or 3 p.c. 30 days. Prices are f.o.b. London, Hamilton, Toronto, Brockville or Montreal.

D. F. Jones Manufacturing Co. Limited, of Gananoque, Ont.

Established 1852.

Shovels
Spades
Draining Tools



Grain and Coal Scoops and Miners' Shovels

The only Canadian manufacturers of Plain Back Shovels and Spades **THAT ARE SOLID,** without weld, and graduated from socket to point, and from centre to sides, of blades.

All our goods have trade mark on the handle.

McCaskill, Dougall & Co
Fine Varnish & Japan
Manufacturers
Montreal
Price List on application

"THE BEST IS CHEAPEST."

Buy McMullen's unequalled

Poultry Netting

—and—

Fencing.

Made by

The Ontario Wire Fencing Co.
Limited
PICTON, ONT.

For sale by The Canadian Hardware Jobbers; The B. Greening Wire Co., Hamilton and Montreal, General Agents, and James Cooper, Montreal, Agent for Railway Fencing. (20)

THE OAKVILLE BASKET CO.,



Manufacturers of

1, 2, 3 Bushel

Grain

AND

Root

BASKETS

THE OAKVILLE BASKET CO.



IRON AND BRASS

Pumps

Force, Lift and Cistern Hand and Power.

For all duties. We can supply your wants with —quality the best and prices right. Catalogues and full information for request.

THE R. McDOUGALL CO., Limited

Manufacturers, Galt, Canada.

STAR HACK SAWS BUTCHER SAWS BRACKET SAWS

THE STAR HACK SAW

Has a file temper, and one 5-cent blade will do more work than $1 worth of files. It will cut off an inch square bar of steel 100 times without filing.

THE STAR BUTCHER SAW

Will cut four times as long without filing as any other kind in use. It will cut off a half-inch rod of iron 30 times.

THE STAR BRACKET SAW

Is taking the place of all other kinds.

None of these Star Saws are to be filed, as the price is less than the cost of filing. They are taking the place of all other saws as fast as they become known.

For Sale by Most Hardware Dealers

We also make a Power Hack Saw which may be found in most machine shops and iron working establishments, and should be found in all.

MILLERS FALLS CO. 28 Warren Street NEW YORK

CHAS. F. CLARK, President. JARED CHITTENDEN, Treasurer.

ESTABLISHED 1849.

...BRADSTREET'S...

Capital and Surplus, $1,500,000. **Offices throughout the civilized world.**

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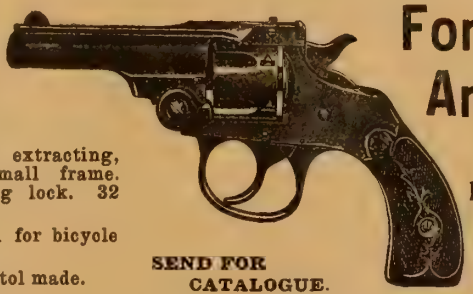
THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying, and promulgating information, no effort is spared and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world. Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by respectable and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its Offices.. **Correspondence invited.**

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NEW Automatic shell extracting, double action, small frame. Weighs 12 oz. Rebounding lock. 32 caliber. 5 shot.

Made with shorter barrel for bicycle use.

The most perfect small pistol made.

SEND FOR CATALOGUE.

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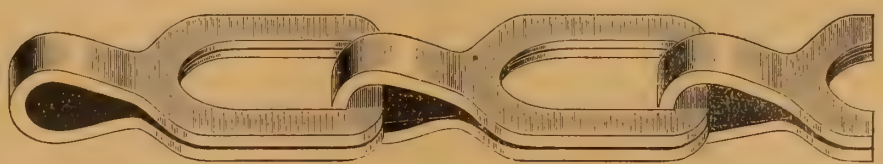
Manufacturers of the

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Worcester, Mass.

AMERICAN COW TIES

WILL OUTLAST ALL OTHERS.



This is because the form of the link, the exact size and shape of which are shown above, is such that the wear is distributed evenly over its entire end. The bearing surface is thus very large, and the chain will wear for years without becoming worn appreciably.

With other styles of chain the bearing surface is only a very small portion of the extreme end of the link. Grooves are soon formed, and in a comparatively short time the links are worn—or, properly speaking, cut—through.

These facts are well shown on a cow tie recently brought us for repairs. It was an ordinary No. 00 three chain tie. One chain was wire, the other two American. One of the wire links was worn entirely through. The others were nearly as bad—a strong pull would have broken almost any of them. With the American chains on the other hand, the wear was very slight, and hardly noticable—three times this amount would not have weaken d the chains seriously.

In addition, because of its flat link and smooth surface, American chain is much easier for the neck of the animal than the twisted or wire chain. The American link cannot injure the animal's neck—other styles of link are very liable to.

American Cow Ties are made in all the standard patterns and sizes. They are sold by all jobbers.

ONEIDA COMMUNITY, Limited. NIAGARA FALLS, ONT.

Est. 1868 Inc. 1895

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Twelve Medals

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HAVE YOU TRIED IT?

"PYRAMID" BRAND



BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM
HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

Sole Manufacturers:

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

61-63 FRONT ST. WEST, TORONTO.

EVERYBODY "TICKLED"

with the striking features of



Davidson's New Milk Can Bottom.

Made "two piece," it has all the security of a "one piece" bottom, without the strain that Spinning and Drawing causes.

It is so made that the "long grain" of metal is turned in, preventing **any possibility of splitting.**

It **has** large rolled **edges** that will not **tear** waggon or factory floors.

Its "inside of bottom" fits snugly to hoops, using less time and solder in making. This **counts.**

Its "wearing parts" are strongly **re-enforced,** insuring greatest **durability.**

Made in all sizes, of 14-Gauge Steel, Perfectly Tinned.

See Travellers' Samples before placing orders.

THE **Thos. Davidson Mfg. Co.,** Limited,

MONTREAL, P.Q.

Name stamped on each bar.
"Langwell's Babbitt"
--Montreal.

CANADIAN
HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XI. MONTREAL AND TORONTO, SEPTEMBER 9, 1899. NO. 36



Magnolia Metal

Best Anti-Friction Metal for all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up in bars, of which this is a

FAC-SIMILE.

The name and trade mark appear on each box and bar and besides this, the words "Manufactured in United States" and "Patented June 3, 1890" are stamped on the under side of each bar.



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BEAUTIFUL AND GOOD

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Wrought Iron Pipe
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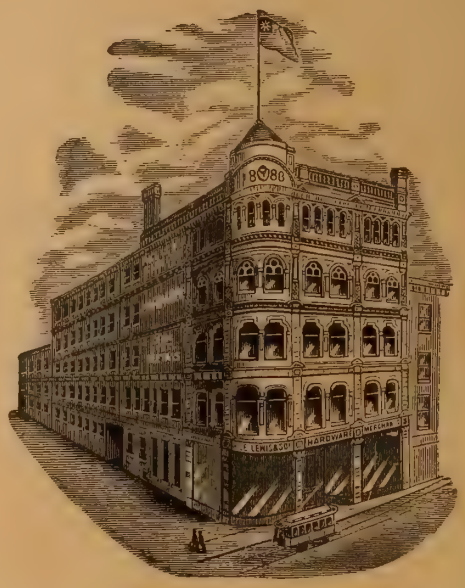
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Hammerless
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New 1899 Model

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LATEST and FINEST Rifle manufactured.

Write for complete Catalogue W.

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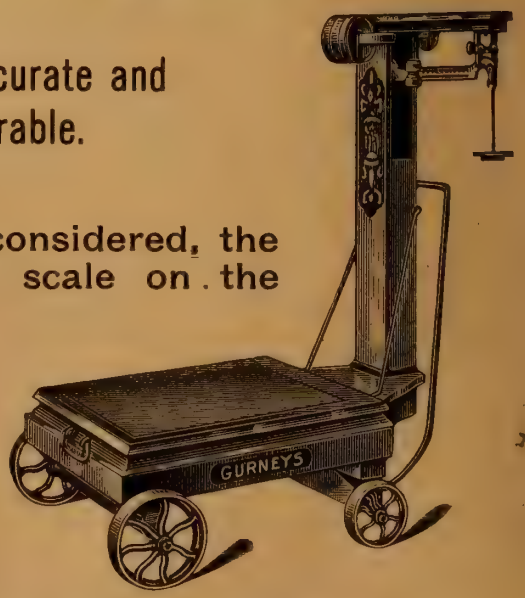
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Accurate and Durable.

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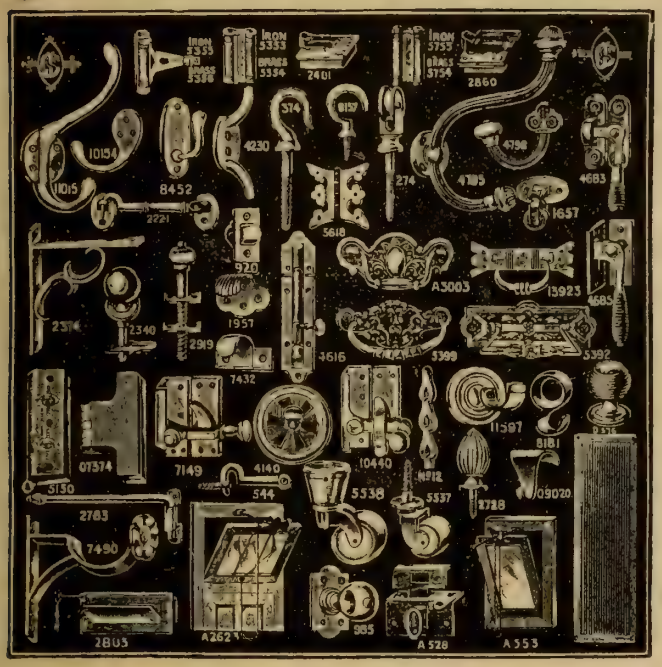
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James Cartland & Son

Manufacturers of every description of **Limited**

CABINET, BUILDERS', FURNISHING AND NAVAL BRASSFOUNDRY

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London Showrooms: 57 Holborn Viaduct E.C.

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with these brands are a guarantee in themselves of excellence . . .

Manufactured by

The Canadian Rubber Co.

Of Montreal

Factories and Head Office,

Capital, $1,500,000.00 **MONTREAL**



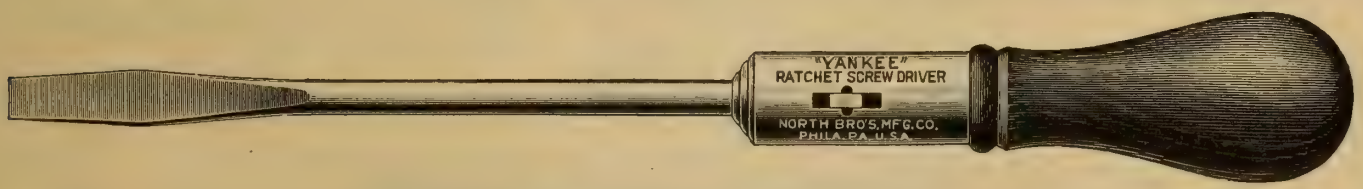
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Samples, Lists, and Discounts.

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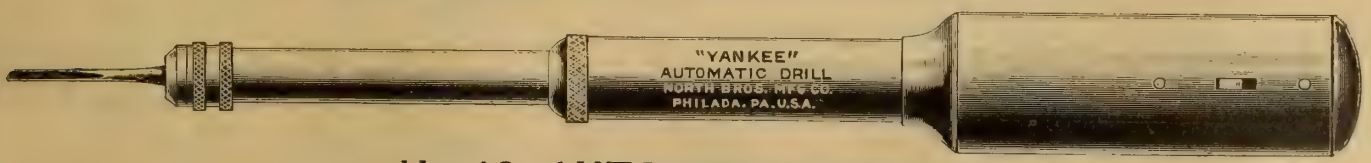
are sold by Leading Jobbers throughout the Dominion.



No. 10 RATCHET SCREW DRIVER, 2, 3, 4, 5 6, 8, 10, 12 inch.



No. 30 SPIRAL-RATCHET SCREW DRIVER.



No 40 AUTOMATIC DRILL.

FREE A handsome lithographed and embossed Sign in colors, on tin, to dealers handling these tools. Separate sign for each tool. Write at once which sign is wanted and it will be mailed post paid.

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possess a peculiar toughness adapting them for the HARDWARE TRADE.

The long fibre we make them of is responsible for this.

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Hull, Montreal, Toronto, Quebec, Hamilton, Kingston, St. John, Halifax, Winnipeg, Victoria, Vancouver, St. John's, Nfld.

BINDER TWINE.

There is none "just as good."

Pure Manila 650-ft. to the lb.

Blue Ribbon

Special Manila

Tiger

Standard

These Twines will not bunch at the knotter, and a Binder will run all day with them without stoppage, thus saving time, annoyance and an endless lot of trouble.

We pack our twine in bags of the size of ordinary grain bags and are not ashamed to put our name upon them. Don't take any other.

Consumers Cordage Company, LIMITED, Montreal.

For "RUSH ORDERS" and the accommodation of our customers we carry a stock at our Toronto Branch: WM. B. STEWART, Agent, 27 Front St. West.

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Whenever you wish to compare the precious metals, Gold is always accepted as the standard of value. In like manner, if you wish to make a comparison of one make of Horse Nails with another, our "C" brand is referred to as the Standard, because they are the best. They are always uniform in every respect, quality, pattern, and finish. You should refuse to accept other brands offered as substitutes. Our name and brand is on each box. The cost is the same as others.

Canada Horse Nail Company,
MONTREAL.



REMARKABLE RESULTS!!

In the City of Winnipeg—and it's a cold place—a No. 34 Copp Heater warmed a store perfectly containing 21,168 cubic feet.

Such a feat was never equalled in heating in this country with one stove of similar size.

We have added a size to burn 27-inch wood. This will be found suitable for any residence.

ASK FOR THE
COPP HEATER.

It's the greatest and most economical Heater made to-day.

THE COPP BROTHERS CO., Limited, Hamilton and Winnipeg

Hardwood CHARCOAL in Bulk or Sacks.
WOOD ALCOHOL equalling Methylated Spirits as a solvent.

Manufactured only by ...
THE STANDARD CHEMICAL CO., Limited
Factories { Fenelon Falls. / Deseronto.
Gooderham Building, TORONTO

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18 x 21 x 60 Sheets, Half-Bright
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(The best All-Bright Plates on the market.)

M. & L. Samuel, Benjamin & Co.

ENGLISH HOUSE:
Samuel, Sons & Benjamin
64 Fenchurch Street, London, E.C.

26 to 30 Front St. West TORONTO.

This is the most powerful Furnace of its class in the Market.

LITTLE OX Wood Furnaces

are made either Portable, as shown, or stationary for brick setting.

They have Double or Triple Return Flue Radiators, giving them an immense fire travel. They have been tested under the severest conditions, and never fail to give absolute satisfaction.

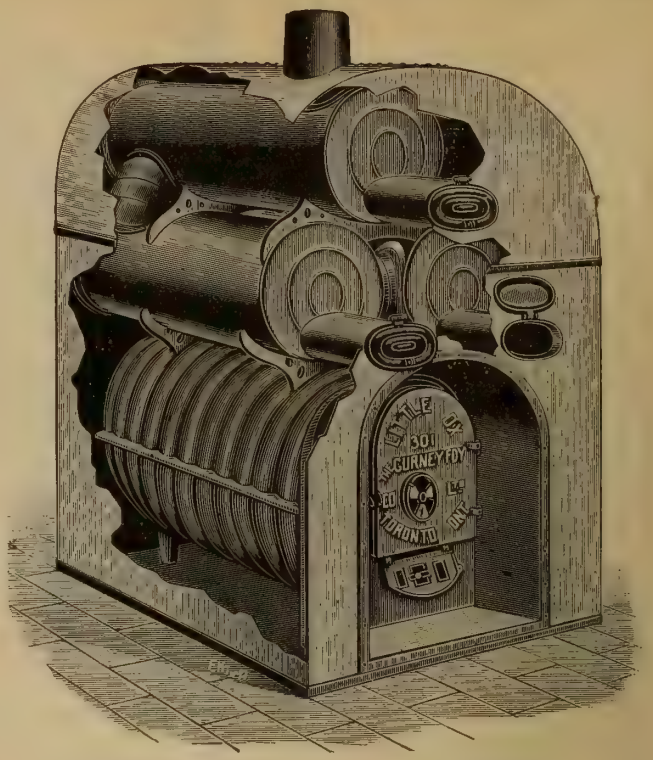
They are Smoke and Dust Proof; very easy to manage and regulate. Take 3 feet rough wood, and offer a capacity from 15,000 to 50,000 cubic feet.

You can't find better selling value.

Write us for Special Furnace Catalogue and Price List.

The GURNEY FOUNDRY CO., LIMITED,

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PORTABLE—with TRIPLE FLUE RADIATOR.

THE GURNEY-MASSEY CO., LIMITED, MONTREAL.

WINNIPEG AGENTS, 155 and 157 Lombard St. **VANCOUVER,—C. A. GODSON, 151 Hastings St.**

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PURE WHITE LEAD
PURE WHITE PAINT
READY-MIXED PAINT
FLOOR PAINT

Are demanded by the best trade.

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188 and 190 McGill Street, MONTREAL.

WOOD, VALLANCE & CO.,

Iron Merchants.

Importers of British and Foreign

HARDWARE

HAMILTON, ONT., Canada.

Toronto Office:

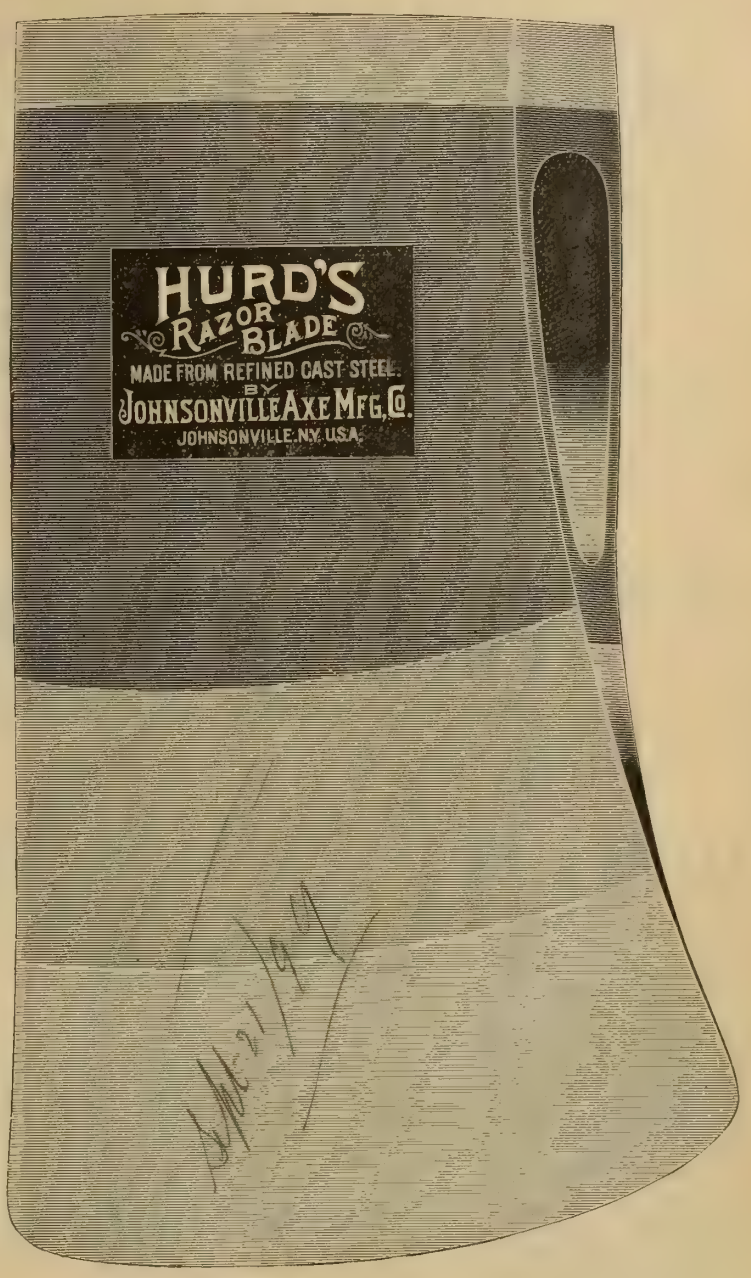
☞ **88 York Street.**

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Razor Blade

AXES

have the largest
sale of any one make
in America.



We do not make this statement without being able to verify it.

If they are not sold in your town, write to us and get the agency.

We do not sell them to everybody.

LEWIS BROS. & CO.

Sole Agents for Canada. . . . MONTREAL.

"DISSTON"

FILES

ARE UNSURPASSED

AND WE... **FULLY WARRANT THEM**



AS TO

QUALITY The steel is made under personal supervision in our own mill direct from the raw material. We have been manufacturing steel for forty years.

AND

FINISH... None but the most skillful workmen are employed. The files have a proper cut and are hardened by our special process.

TEST..... We USE 30,000 dozen Disston Files annually in our saw factory. We know what a good file should be and what it should do.

WE MAKE NO STATEMENTS BUT WHAT WE CAN VERIFY.

Henry Disston & Sons, Incorporated

LEWIS BROS. & CO., Agents,

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HARDWARE BUSINESS FOR SALE.

Established twenty years on Main St., Winnipeg, Mantoba. Satisfactory reasons for selling. First-class stand with all modern fittings — unexpired lease. Apply to CAMPBELL BROS., Winnipeg, Manitoba. (tf)

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A NEW MARLIN RIFLE

Never been used. Just the Rifle for practice. Price $30. Will take $20.

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SEASONABLE GOODS AT RIGHT PRICES.

Barbed Wire Fencing; Agricultural Implements; Bradley Tin; Builders' and Cabinet Makers' Hardware Special—A full line of Tinsmiths' Tools and Machinery—latest improvements.

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BRASS GOODS—Gunn Castor Co., Limited, Birmingham, Eng.

Deseronto Iron Co.

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DESERONTO, ONT.

Manufacturers of

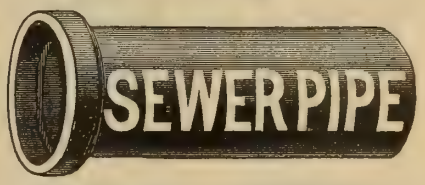
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BRAND "DESERONTO."

Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

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DIAMOND BRAND



WIND GUARDS, CHIMNEY TOPS, FLUE LININGS,
CULVERT PIPES, SEWER PIPES, INVERT BLOCKS.

Manufactured by the

HAMILTON AND TORONTO SEWER PIPE CO.

Hamilton, Ontario. **Limited**

STEVENS RIFLES



Send for our complete catalogue.

THE FAVORITE

is made in three calibres
22, 25 and 32 Rim Fire

and is the best low-priced rifle made. Highest quality of work. Accuracy guaranteed. Weight, 4½ lbs.

No. 17, Plain Sights— List $ 8.00
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"LUXFER PRISM

windows and pavement lights are a boon to progressive and thrifty merchants."



EATON'S—WITH LUXFER PRISMS.



EATON'S—WITH PLATE GLASS.

WE REST OUR CASE

upon a comparison between the amount required to light your store with Luxfer Prisms and the amount of your artificial light bills.

WRITE TO

Luxfer Prism Co., Limited.

58 Yonge St., Toronto.

Enameline

The Modern STOVE POLISH



PASTE.



LIQUID.



CAKE.

We present herewith cuts showing the three different forms of package in which Enameline is put on the market. The enormous amount of advertising being done to familiarize housekeepers with the name enables merchants to make quick sales. Don't load up with unknown brands—that's dead stock.

J. L. PRESCOTT & CO., New York.

Standard Steel Toe Calks

Sizes of Blunt:





WRITE FOR DISCOUNTS.





Sizes of Sharp Calks below for Fall of 1899:

No.	Length.	Size.	No.	Length.	Size.
0	1½ inch	3/8 x 5/16	4	2¼ inch	3/4 x 3/8
1	1½ "	1/2 x 5/16	5	2½ "	3/4 x 3/8
2	1¾ "	9/16 x 3/8	6	2¾ "	7/8 x 7/16
3	2 "	5/8 x 3/8	7	3 "	7/8 x 7/16

Price, $1.25 per box of 25 lbs. in bulk.
Or 24 lbs. in 4-lb. packages.

No.	Length.	Size.	No.	Length.	Size.
0	1½ inch	9/16 x 3/8	4	2½ inch	3/4 x 1/2
1	1¾ "	9/16 x 3/8	5	2¾ "	15/16 x 9/16
2	2 "	11/16 x 7/16	6	3 "	15/16 x 9/16
3	2¼ "	3/4 x 1/2			

Price, $1.50 per box of 25 lbs. in bulk.
Or 24 lbs. in 4-lb. packages.

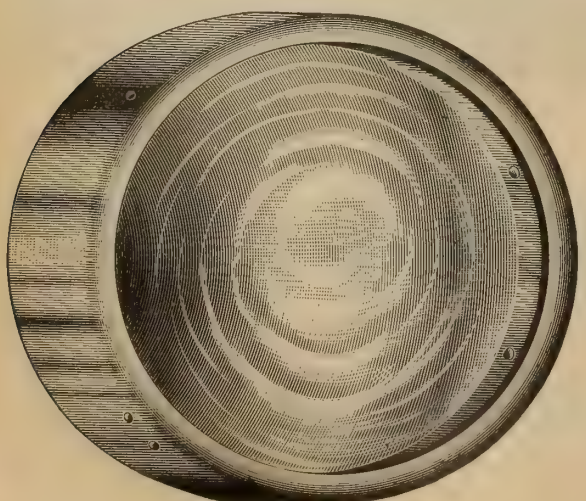
JAMES PENDER & CO., Limited, Sole Mfrs. **Saint John, N. B., Canada.**

Kemp's Broad Hoop, Roll-Rim Milk Can Bottoms

Introduced to the Trade in

1898

and generally pronounced to be the best ever offered.



The **Broad Hoop, Roll-Rim Milk Can Trimmings**

have been improved for season of

1899

and will be found to be the strongest, and therefore the most serviceable.

Kemp Manufacturing Co.

TORONTO.

HARDWARE AND METAL

Vol. XI. MONTREAL AND TORONTO, SEPTEMBER 9, 1899. No. 36

President, JOHN BAYNE MacLEAN, Montreal. Treasurer, HUGH C. MacLEAN Toronto.

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WINNIPEG - - - - Western Canada Block. J. J. Roberts.
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T. Donaghy. F. S. Millard.

Subscription Canada, $2.00 Great Britain, $3.00
Published every Saturday.

Cable Address { Adscript, London / Adscript, Canada

WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

THE PRACTICE OF SUBSTITUTING.

IT is a mistake for merchants to substitute goods without first obtaining the consent of the purchaser. Even when the goods substituted are superior the practice is a dangerous one. People at least think they know what they want and it is an offence to them when they find that the goods they ordered are not the ones supplied.

This characteristic of the great mass of people may be born more of pride than of reason; but it exists, and not only exists but must be respected. Those who will not respect it cannot but expect to lose business.

This applies to the wholesale as well as to the retail merchant. HARDWARE AND METAL recently had proof of this.

A retailer who has met with a great deal of success in business was asked if he dealt with a certain wholesale house. He replied in the affirmative, but declared that he was gradually transfering his patronage to other houses, and explained that he was doing so because the wholesale house in question persistently substituted goods.

The retailer in question is doing a large and growing trade, and hence is a valuable customer.

While directly it may not be as profitable, when out of a line ordered, to secure it from a competitor, yet it is the wiser thing to do, and in the long run pays the best, for it does not, like substituting, tend to annoy and drive away customers. If the particular line cannot be obtained, the next alternative should be to ascertain if another can be substituted. Of course, there may be exceptions when the best thing to do is to send forward substituted goods with an explanatory note. As to when this is necessary the shipper's judgment only can determine. But merchants should only do this when they are fully persuaded that it is the best course, in the interest of the customer, to pursue.

SHOT POINTING UPWARDS.

Several makers, while they have not actually advanced prices on shot, are considering the advisability of doing so, owing to the increased cost of pig lead, their raw material, which has risen over 15c. per 100 lb. in the last ten days at primary markets.

The price of shot in Canada, owing to the competition between makers, has not been on a fair parity with the cost of manufacture, so that even if there was no rise in the cost of raw material there is still room for appreciation, and, of course, with the rise in lead, an advance becomes more probable.

COST OF OPERATING STREET CARS.

THE Metropolitan Railway Company, of New York City, has three systems of traction, namely, cable, electrical and horse car. It has 25.3 miles of cable system, 82.1 miles of underground electric, and 113.4 miles of horse car system.

About a year ago The Street Railway Journal published a statistical article dealing with the three systems for the year ending June 30, 1898, and now it has published another article dealing with the same three systems for the corresponding period of 1899. This enables a comparative statement of the receipts from the different systems to be made.

Taken as a whole, the metropolitan system was operated last year at 15.18c. per car mile, as against 15.83c. in the previous year, while the earnings from operation was 15.50c., against 13.87c. for 1898. The honor of securing the increased earning power is ascribed to the electric system.

The percentages of the operating expenses to passenger receipts of the three motive powers compare as follows:

	1898.	1899.
Cable	47.8	50 8
Electric	37.9	38.3
Horse	65.3	69.8
Average	53.3	49.4

One of the most interesting tables is that giving the operating expenses per car mile of the different systems.

The percentage of the total operating expenses of the cable system was 16.42 in 1898, and 17.99 in 1899; of the electric, 10.23 in 1898, and 11.97 in 1899; of the horse, 17.87 in 1898, and 17.96 in 1899.

With the cost of operating so much in favor of the electric system, we may soon expect the cable, like the horse car system, to become almost obsolete for street railway traffic.

In Canada, we have neither cable nor horse car system, electricity being the sole means of propelling street cars, both urban and suburban.

A MENACE TO CANADIAN SHIPPING AND TRADE.

WHILE it is possible for the Dominion Government to do a great deal more than it has done to popularize ocean travel via Canadian ports, yet there is a great deal that can be done by steamship owners themselves.

One thing, and the chief thing, they can do in pursuance of this is to exercise greater care in the loading of their ships. That there is necessity for reform in this particular is beyond question.

At the recent convention of the Maritime Board of Trade, composed of the leading business men, steamship owners and insurance men of the Maritime Provinces, a great deal of attention was given to the subject of marine insurance rates, and the excessive rates as against Canadian and in favor of United States ports.

There was at first a disposition to blame the British underwriters for the discrimination, and, while it was finally realized that these underwriters were not as well informed in regard to the respective Canadian routes as they should be, yet it was demonstrated that the chief onus for the so-called discrimination was not upon the underwriters but upon the owners and captains of the steamships. Mr. S. Schofield, St. John, N.B., representing the Furness Line, charged that the high marine insurance rates were due to the excessive deck loads that were carried by some of the steamers, and Mr. Horace Haszard, Charlottetown, P.E.I., corroborated this by stating that he had read the resolution of the British underwriters whereby the rates on steamers plying to Canadian Atlantic ports were increased, and in that resolution it distinctly stated that the cause of their action was the excessive deck loads carried by steamships.

It was significant that during the convention of the Maritime Board, one of the St. John papers published a cable stating that the captain of one of the steamers which had left that port recently had been fined £50 for having his vessel overloaded.

Now, a press despatch comes to hand with the statement that the Department of Marine and Fisheries is in receipt of complaints regarding the serious overloading of a number of steamers running out of Montreal. It was charged that in some instances vessels had been so heavily overloaded that at Cap a la Roche there were only six inches of water between the keel of the steamers and the rocky bottom of the river at that point.

To such a pass have matters come in regard to marine insurance that steamers insured at Lloyds are prohibited from plying to Canadian Atlantic ports until after a special permit has been obtained. And with the permit comes a higher rate of insurance.

This is a condition of affairs which obviously militates against not only the Canadian ports and the steamship lines plying thereto and therefrom, but against the trade and commerce of the Dominion.

It is, therefore, obvious that the Government should adopt, and without delay, efficient means to prevent the overloading of steamers running out of Canadian ocean ports.

We know that there are a good many steamship owners and captains who are opposed to Government supervision in such matters, but something must be done to prevent the continuance of a practice which causes to be imposed upon the Dominion conditions which handicap her in competition with her powerful neighbor.

BASIS OF THE SELLING PRICE.

Hardwaremen who are not following the market with the selling price of their goods are not following very closely the road to prosperity. Prices do not advance every year, or even every ten years, like they have been lately, and merchants who are not basing the selling price of their goods upon the buying price of to-day are making a mistake.

GOOD TRADE OUTLOOK.

Mr. S. A. Rankin, a general merchant of Falding, Ont., was among the visitors in Toronto the past week. Falding is a little village on the Ontario, Arnprior, and Parry Sound railway, and is seven miles from Parry Sound. Mr. Rankin reported trade good and the prospects bright in his part of the country. Lumbering operations promise well, the Conger Lumber Co. alone intending to take out 20,000,000 feet of lumber this year. "Tourist travel, both Canadian and American, has been immense this summer," said Mr. Rankin.

Falding is five miles from the Parry Sound copper mines, where a great deal of activity is being experienced.

Mr. Rankin has been in business about four years, and his trade has developed so much lately that he will have to erect a new storehouse.

DRY WHITE LEAD IN MONTREAL.

Some sellers have advanced the price of dry white lead in Montreal ½ to ¼c. per lb. to $5 to $5.50, but, nevertheless, at this writing, orders are still being accepted at $4.75 to $5. Buyers, however, find it rather difficult to fill wants and importers state that European makers are so overcrowded with orders that it is almost impossible to get shipments forward. An advance, therefore, with all sellers is highly probable.

COUNTERFEIT BILLS.

We hear again of counterfeit bills of the Dominion. There are said to be in circulation some $1 notes bearing the date of 1878. The bill, with the exception of the portrait of the Princess Louise, is well done, and, as an old bill has been imitated by the counterfeiter, it is most dangerous in that it is not easily detected by the average man. The imperfections are most noticeable in the drawing of the face, the profile being straight and out of line. In addition to that, the paper is of poor quality, but with all these discrepancies it has found its way into circulation.

These old bills ought not to be left in circulation at all. The Dominion should keep its paper money in clean condition. Some of the bills now in circulation are filthy. When paper money gets soiled and greasy the detection of counterfeit notes becomes very difficult. The very fact that bills are old and have apparently passed from hand to hand many times without question is accepted as a proof of their genuineness. Yet, what is easier than to make a counterfeit look old and dirty like the genuine note?

We understand that the manufacture of each note costs Canada about 2½ cents. That is not much. There must surely be some profit on circulation, taking silver and paper together, so that Government money can afford to be kept in good condition.

NEW WIRE NAIL LIST.

A REVISED list on steel wire nails came into effect this week, but the changes from the old list, as will be noted, are slight. The most important alteration consists in an advance of 10c. on the base price for 70d nails.

Formerly this size wire was included in the base. The base sizes now, as will be noted, are 30, 40, 50, and 60d nails, which sell at $3. The list in detail, which took effect September 1, is as follows :

Length.	Gauge.	Per lb. Cents.
1 to 1⅛-inch	" 16 and heavier,	26
	" 17 "	28
	" 18 "	30
1¼ to 1⅜-inch	" 15 "	22
	" 16 "	23
	" 17 "	25
1½-inch	" 14 "	21
	" 15 "	23
	" 16 "	25
1¾-inch	" 13 "	19
	" 14 "	20
	" 15 "	23
2 to 2¼-inch	" 12 "	17
	" 13 "	20
	" 14 "	22

STANDARD STEEL WIRE NAILS—TO TAKE EFFECT SEPTEMBER 1, 1899 :

STANDARD COMMON NAILS.

In kegs of 100 lb. each.

Size.	Length in Inches.	Advance over Base Price.	Moulding.	Finishing and Casing.	Flooring.	Clinch Long Point.	Clinch Flat Point.	Slating and Roofing.	Box.	Fence.	Tobacco.	Barrel.	Oval Head Car.	Eavetrough Spikes.	Common Spikes.
			STANDARD GAUGES.												
			Ge	Ge	Ge	Ge	Ge	Ge	Ge	Ge	Ge	Ge	Ge	Ge	Ge
2d.	1	$1.00	16	17	..	14	14	12	16	..	..	14	..	..	..
3dF.	1⅛		16	17	..	..	..	12	16	..	..	14	..	..	..
3d.	1¼	.65	15	16	..	13	14	11	15	..	..	14	..	..	..
4d.	1½	.40	14	15	..	12	13	11	14	..	12	..	12	..	..
5d.	1¾		13	14	..	12	13	10	14	10	12	..	10	..	..
6d.	2	.30	12	13	11	11	12	10	13	10	11	..	10	..	..
7d.	2¼		12	13	11	11	12	..	13	9	11	..	9	..	..
8d.	2½	.15	11	12	10	10	11	..	12	9	10	..	9	..	..
9d.	2¾		11	12	10	10	10	..	11	8	..	..	8	..	..
10d.	3	.10	10	11	9	9	9	..	11	7	..	..	8	..	..
12d.	3¼		9	11	9	..	..	..	10	6	..	..	7	..	..
16d.	3½	.05	8	10	8	..	..	..	10	5	..	..	7	..	..
20d.	4		..	9	7	..	..	..	9	4	..	..	6	..	3
30d.	4½		..	..	..	..	..	..	9	..	..	..	6	5	3
40d.	5	Base.	..	..	..	..	..	..	8	..	..	..	5	4	2
50d.	5½		..	..	..	..	..	..	..	..	..	..	4	3	2
60d.	6		..	..	..	..	..	..	..	..	..	..	4	2	1
70d.	7	.10	..	..	..	..	..	..	..	..	..	..	..	..	..

Longer lengths special extra.

Net extras over same size common nails. (Per lb.)

¼c. ½c. ¼c. ½c. ¾c. ¼c. ¼c. ¼c. ¼c. ¼c. ¼c. ¼c. 1-10c.

OTHER EXTRAS, NET,

Barbing, annealing, special heads, special points	¼c. per lb. each, net.
Packing in 25 and 50 lb. boxes	¼c. " " "
Blued nails	10c. per 100 lb.
Coated nails	10c. " "

Standard gauges, in less than 25 lb. boxes and in 1 lb. papers, sold on miscellaneous list. Moulding, finishing, casing, flooring, clinch, slating, roofing, box, fence, shingle, tobacco, barrel, eavetrough spikes and car nails of the gauges named above will be charged at common nail list, with extras as shown. All other sizes and gauges will be charged on the miscellaneous list.

Miscellaneous wire nail list applying to all nails except standard nails :

Length.	Gauge.	Per lb. Cents.
¼-inch	No. 19 and heavier,	65
	" 20 "	80
	" 21 "	95
⅜-inch	" 19 "	55
	" 20 "	65
	" 21 "	75
½-inch	" 18 "	45
	" 19 "	50
	" 21 "	55
⅝-inch	" 18 "	35
	" 19 "	40
	" 21 "	45
¾-inch	" 17 "	30
	" 18 "	35
	" 19 "	40
⅞-inch	" 16 "	27
	" 17 "	30
	" 18 "	35
2½ to 2¾-inch	" 11 and heavier,	17
	" 12 "	18
	" 13 "	19
3 to 3¼-inch	" 10 "	16
	" 11 "	17
	" 12 "	18
3½ to 4-inch	" 9 "	16
	" 10 "	17
	" 11 "	18
4½-inch	" 7 "	15
	" 8 "	16
	" 9 "	17
5-inch	" 6 "	15
	" 7 "	16
	" 8 "	17
5½-inch	" 4 "	14
	" 5 "	15
	" 6 "	16
6-inch and longer	" 3 "	14
	" 4 "	15
	" 5 "	16

Net extras—

Sash pins or headless nails	½c. per lb. extra net.
Barbing, annealing, special heads, special points	¼c. " "
Tinning up to ¾-inch	6c. " "
" ⅞ and longer	3c. " "
Galvanizing	3c. " "
Packing in 25 to 50-lb. boxes.	¼c. " "
Packing in less than 25 lb. and in lb. papers	½c. " "
Blued nails	10c. per 100 lb.
Coated nails	10c. " "

In addition to these extras, nails on above list less than 100 lb. of one size 1c. per lb. extra net.

TINNED IRON SPOONS AND FORKS DEARER.

One of the largest manufacturers of tinned iron spoons and forks in the United States, Wallace Bros. & Co., has notified the jobbing trade in Canada of an advance of 33⅓ per cent. in prices of its 900 and 950 lines of spoons and forks.

This advance has been anticipated for some time.

AUGURS AND HAMMERS DEARER.

Following the example of their confreres in the United States, the Canadian manufacturers of augurs, augur bits, car bits, etc., have advanced their prices.

The following are the new discounts to the retail trade : Augurs and bits, 50 and 10 per cent.; rafting augurs, 37½ per cent.; millwrights' augurs, 32½ per cent.; ship augurs, 12½ per cent.; dowell bits, 32½ per cent.; car bits, 40 per cent.

The manufacturers assert that the advance is not in proportion to the increase in the cost of raw material, and that a further advance shortly is not improbable.

Hammers of Canadian make have been advanced on account of the increased cost of raw material.

BRIGHT WIRE GOODS HIGHER.

The makers of bright wire goods, such as screw-eyes and hooks, gate hooks and eyes, stovepipe eyes, etc., have changed their prices, the discount to the retail trade now being 50 and 10 per cent.

There has also been a sharp advance in the price of wire hat and coat hooks. The discount is now 45 per cent. instead of 60 and 10, as formerly.

ADVANCE IN AXES.

The axe manufacturers in Canada announce an advance in prices. The advance ranges all the way from 50c. to $1.25 per dozen. Axes that formerly sold at $4.75 are now quoted at $6 per dozen.

TRADE IN OTHER COUNTRIES THAN OUR OWN.

LONDON advices by cable quoted an advance of £1 per ton, or £81 for best selected copper. The price there for that variety of the metal was about £10 not long ago, when London authorities on the market and certain Boston and New York interests were profuse in bearish literature.

METALS IN GREAT BRITAN.

S. W. Royce & Co., Manchester, England, in their monthly metal market report, under date of August 26th, say: "This month opened with a heavy drop in values in pig iron, and prices continued to fall until about the middle of the month, since when there has been an improvement, though to-day's figures compared with those of a month ago show a decrease of about 6s. od. per ton in Scotch iron and about 9s. 3d. per ton in Cleveland. Business has indeed been dull, buyers naturally holding off in the face of such an unsettled state of affairs. During the last few days there has, however, been some improvement, and buyers are coming forward more readily, as there is a feeling that with autumn approaching the prices should now continue to advance. The Midlands manufactured iron trade is in a satisfactory condition, though recently quieter on account of holidays; there is, however, a good amount of trade passing, and in any case manufacturers are indifferent, being already well provided with work for some time ahead. Tin has fluctuated considerably this month, closing about £3 cheaper, and easy. Copper is down about 10s., and is steady. Spelter has lost about £2, and seems weak. Lead has advanced 7s. 6d., but is now rather easing.

WIRE AND NAILS DEARER IN THE UNITED STATES.

Under date of September 1, The American Steel & Wire Company sent out notices to the trade of an advance of 15c. per 100 lb., or $3 per ton in prices of wire nails, plain wire and galvanized wire. The price of painted barb wire has been advanced 50c. per 100 lb., or $10 per ton. This makes the price of wire nails $2.65 to the jobbing trade in carload lots; $2.67½ in less than carload lots; $2.80 to retailers in carload lots, and $2.90 to retailers in less than carload lots. The price of barbed wire is as follows: To jobbers in carload lots, painted, $3.10; to jobbers in carload lots, galvanized, $3.25; to jobbers in less than carload lots, painted, $3.12½; to jobbers in less than carload lots, galvanized, $3.27½; to retailers in carload lots, painted, $3.25; to retailers in carload lots, galvanized, $3.40; to retailers in less than carload lots, painted, $3.35; to retailers, in less than carload lots, galvanized, $3.50. The price of smooth wire is now as follows; To jobbers, in carload lots, $2.50; to jobbers, in less than carload lots, $2.52½; to retailers, in carload lots, $2.65; to retailers, in less than carload lots, $2.75. While these prices are very high, yet they are not out of proportion when prices of raw material are taken into consideration. At one time, wire nails sold as low as $1.35 Pittsburg, but this was when billets were $15 per ton and rods about $20. At the present time, billets can hardly be had at any price, and have sold at $38 per ton, while rods are about $45. The American Steel & Wire Company, in making these advances in prices of their products, are simply following the course of the raw material market. In spite of the heavy advances, the demand for wire nails and wire of all kinds has been very large, and the various mills of The American Steel & Wire Company are being operated to full capacity, and in some cases are considerably behind in orders.

HIGHER IRON PRICES.

It has been a week of large buying in foundry and grey forge irons, and on both prices have advanced, the conditions in Southern iron indicating excitement and tension. On non-Bessemer irons there seems no peradventure concerning 1900; most buyers and sellers apparently acting on the belief that prices will go yet higher, and that consumption for some time to come will keep in advance of production. In the steel end of the trade the development of the situation as it looks towards next year has not been so rapid. What appears is that demand is not gauged by price, and that steel works and finishing mills are full for months and are booking new business every week. Large producers are searchingly analyzing the record of each week, but the scrutiny has made no change in the tenor of their reports. There is a monotonous testimony to a rising tide whose high point does not appear.—Iron Trade Review, Sept. 7.

NEW YORK METAL MARKET.

COPPER — There were fewer hints yesterday than for some time past of copper being obtainable at lower prices than those currently quoted on the market. Instead of such hints intimations were given that some of the Lake Superior companies are holding out for a ¼ to ½c. advance. However, actual business, as far as could be learned, was at the old figures, except in a few instances where 18¾c. was paid for Lake Superior, and no facts came to light that reflected any change in the attiude of buyers or sellers. To all accounts new business here is not of remarkably large volume, but deliveries to consumers continue heavy and exports to Europe are liberal. The current quotations are 18½ to 18¾c. for Lake Superior ingot; 17¾c. for electrolytic bars, etc., and 17½c. for best casting stock.

PIG TIN — The margin of difference between prices for spot and future deliveries was widened yesterday in both the New York and the London market. In the latter the spot price stood about 15s. to £1 per ton above that of three months' futures, and in New York spot was about 0.50c. per lb. higher than September delivery. In both markets the line of prices was higher yesterday than on Tuesday, yet, irregular and not quotable with ordinary accuracy. Some business was affected at 32c. on spot, which price was subsequently bid, while 31.75c. was offered for lots on steamer nearly due.

PIG LEAD—There were no new developments in this line, ordinary business only and merely fair inquiry having been experienced, while sellers' prices remained almost stationary. Spot delivery was quoted at 4.62½ to 4.65, and late September and October shipments from the West 4.60c. delivered here.

SPELTER—Values were very firm at the advances quoted yesterday, both in this and the European market. The late rise was seemingly a natural result of closer relationship between producers, and the indications are that small purchases are much easier to make than large ones at current quotations. Good brands are now at about 5.75 to 5.80c. on spot and 5.65 to 5.70c. to arrive.

ANTIMONY—The market remains steady at 9¾ to 11c., as to brand and quality.

TINPLATE—Business is very tame, since neither manufacturers or buyers are inclined to deal pending the outcome of threatened labor difficulties, and prices as quoted are greatly nominal.

IRON AND STEEL—In the way of new pig iron contracts of extensive proportions nothing was reported, but there is considerable negotiation in which speculative interests as well as consumers are interested, and the basis of prices is up to previous highest point in almost all instances. The market, in short, continues strong.—N. Y. Journal of Commerce.

WIRE NAILS
TACKS
WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

MR. GOODWILL TAKES A WIFE.

A FASHIONABLE wedding took place at St. Luke's church, Waterloo, on August 30, when Miss Elizabeth Charlotte Whitcomb, of Waterloo, elder daughter of Col. and Mrs. Charles Whitcomb, was married to Mr. Edward Goodwill, of The Thomas Davidson Manufacturing Co., of Montreal, the Rev. T. B. Jeakins officiating. Miss Mildred Whitcomb, the bride's sister, acted as maid of honor, and wore pink organdie. The bridesmaids, Miss Maude Davidson, daughter of Mr. James Davidson, of Montreal, and Miss Jessie Raymond, daughter of E. J. Raymond (nieces of the groom), wore gowns of blue and yellow organdie. The ushers were Mr. Duke Roberts, of West Shefford, and Mr. Mark Whitcomb, of Waterloo. Mr. J. Herbert Davidson was best man. The bride wore a handsome gown of ivory duchesse satin and carried a shower bouquet of white roses. After the ceremony, a reception was held at the residence of the bride's parents. Among the many presents received by the bride were two beautiful onyx clocks and a handsome upright piano, the latter the gift of her father.

The popularity of the groom with his fellow-workers was feelingly expressed in an address, accompanied by a handsome oak cabinet of silver. And, on the day of the wedding, congratulatory telegrams were sent by the travelers, so that from the Atlantic to the Pacific ocean, an unbroken chain of good wishes was extended to the happy couple, who, after the reception, left for an extended trip through the Lower Provinces.

Mr. Goodwill, who is a promising young business man, has been identified with The Thos. Davidson Co. for the past 16 years; in fact, commencing his business career with the firm, and for the past three years looked after the warehouse, and, during the succeeding two years, represented the firm on the road. He was the pioneer in opening up their business connections in the Lower Provinces and many parts of the Province of Quebec, and has made several business trips to the Pacific Coast, so that throughout Canada, wherever HARDWARE AND METAL is read, there will be friends who will read with pleasure the chronicling of this happy event. For the past three years Mr. Goodwill has taken charge of the sales department in this house, which, under his tireless energy, shrewd tactics and wise supervision, have made rapid strides, while he, with his kindly personality, has become very popular with all with whom he comes in contact.

With his newly acquired helpmate, Mr. Goodwill has the promise of a bright career before him, and HARDWARE AND METAL joins heartily with its readers in wishing him and his "good wife" best wishes for a happy and prosperous future.

"SELF SATISFACTION."

A merchant who has handled our goods for many years has written us as follows:

"I take pleasure in stating my position with regard to selling The Sherwin-Williams Co.'s Products in two words, viz.: 'self satisfaction.'

"A conscientious business man sees beyond a wholly pecuniary advantage, ease of selling, or having goods stay sold. He sees a future when to-day's buyer will need buy again, when, if he has honestly represented goods, and represented honest goods, he will have the present buyer for another and all time.

"Cheap goods are never the best. The best goods are always the cheapest.

"The foregoing refers directly to my business policy, therefore, I sell The Sherwin-Williams Paints and Colors, because paint is a branch of my business, a prominent and important branch.

"We can talk loud and long of S.-W. P. and bide no fear of being given the lie."

Goods that inspire such confidence are worth handling.

THE SHERWIN-WILLIAMS CO.
PAINT AND VARNISH MAKERS.

Canadian Division:
21 St. Antoine St.,
Montreal.

CLEVELAND.
CHICAGO.
NEW YORK.
MONTREAL.
BOSTON.
TORONTO.

ELECTRIC PETROLEUM LIGHT.

One of the latest triumphs of the inventor's skill is the "Electric Petroleum Light." When one looks back to the time when the hardy pioneers of this country were dependent upon the ordinary "tallow dip" for their light, we cannot but wonder at the gigantic strides which have been made in artificial light. First, the slush lamp, made by filling a cup or other receptacle half full of earth, and pouring in melted fat, a piece of cloth or other substance was inserted and your lamp was complete. One can easily understand that a very feeble illumination was the result, and the stench was intolerable. After a few years the "tallow dip" took the place of the slush lamp, to be in turn supplanted by wax candles, and later by gas. With the increasing population, the necessity for a cheaper form of artificial light began to assert itself, and, as a result, coal oil found great favor with the masses. It was not exhorbitantly dear, and gave a fair modicum of illuminating power. The two great objections, however, to the use of coal oil were, the very unsteady flickering light, which hurt the eyes, and the peculiarly nauseous odor. By dint of perseverance coal oil was divested of many of its objectionable features, and sales increased until almost the whole world is using coal oil for illuminating purposes. Still, there was something lacking. The odor was hard to dispel, and the light, as already pointed out, was unsteady.

It remained for the inventor of the "Electric Petroleum Light" to remedy both these defects, and it is safe to say he has produced a light from ordinary coal oil, the equal of which has never yet been seen. By his invention a common lamp wick can be used continuously day and night, and only about two inches of wick will be consumed in a year. This seems incredible, but nevertheless is an accomplished fact. The nauseous odor of the coal oil has been entirely removed, and a pure, soft, steady incandescent light, double the ordinary, has been produced, which does not hurt the eyes. It is understood that the invention will be manufactured by The Electric Petroleum Light Co.

MOVED INTO HIS NEW STORE.

S. A. McCastney, hardware merchant, Acton, Ont., has just completed and moved into his fine new store. Mr. McCastney reports business good and prospects bright. He also carries on in connection a good tinware and stove trade, being a practical hand himself.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

O. M. ALGER, general merchant, Castleton, Ont., is offering to compromise at 50c. on the dollar.

O. P. Fraser, lumber, Ecumsecum Bridge, N.S., has assigned.

Ismael Goyette, general merchant, South Durham, Que., has assigned.

A meeting of the creditors of Alexandre Payette, tinsmith, St. Johns, Que., has been called.

F. L. Worden, general merchant, St. John, N.B., has effected a compromise with his creditors at 20c. on the dollar.

H. J. Stump & Co., general merchants, Purpleville, Ont., have assigned to J. Glanville, of John Macdonald & Co., Toronto.

SALES MADE AND PENDING.

E. A. Green, boatbuilder, Victoria, B.C., is advertising to sell out.

John Birlet, blacksmith, Monkton, Ont., is advertising his business for sale.

The assets of Pigeon & Co,, general merchants, Ottawa, have been sold at auction.

PARTNERSHIPS FORMED AND DISSOLVED.

The Hugman Window Shade Co., Granby, Que., have dissolved.

Shaw & Lloyd, general merchants, Bridgetown, N.S., have dissolved. Mr. Lloyd continues.

A copartnership has been registered by A. E. Caldwell and G. W. Borden, as dealers in coal, at Wolfeville, N.S., under the style of Caldwell & Borden.

CHANGES.

M. Shanghuessy, general merchant, Barrington, Que., has sold out.

Daniels & Tilson, general merchants, Burk's Falls, have left that place.

A. Royes & Co., agricultural implements, Clinton, have sold out to J. T. Gauthier.

The Royal Oil Co., Toronto, has sold out to The Queen City Oil Co., Limited, Toronto.

Beatty & Co., agricultural implements and furniture, Orangeville, have sold out their furniture department to Gray & Co.

Wong Fung, wife of Wing Tung, has been registered sole proprietress of the general business of Wai Bing Kee & Co., Nanaimo.

FIRES.

B. Bell, general merchant, Burk's Falls, has been burned out.

SMALL PORTS OF ENTRY.

Some importers are continuing to agitate for the enforcement of equal rates of duty at the smaller and larger ports of entry. This is a point to which we think the Minister should give his best attention. It is, no doubt, his wish that the law providing that the same class of goods should pay precisely the same rate of duty, no matter at what port they may be entered, should be enforced. It is only fair to the entire importing trade of the country — wholesale or retail — that it should. For this purpose the collectors at all ports, large or small, should be kept thoroughly posted on all new regulations, and be in close touch with the heads of the Customs Department at Ottawa. No doubt this is nominally the case now. Yet, importers are continually hearing of instances that look like the existence of unequal exactions of duty. These are not laid at the door of fraud or wrongdoing, but simply that the appraisement is different. This should not be so. If the collectors of small ports cannot be as well posted and as competent to exact precisely the same rate of duty on a shipment as it would have to pay at some large city like Halifax, Montreal or Victoria, then the small ports will have to be closed.

SLEIGH BELLS 10 PER CENT. DEARER.

Another advance has taken place in the price of sleigh bells. It averages about 10 per cent., and is the second similar advance within the last few months.

Those who placed their orders before the advance—and there were quite a few of them—were fortunate. When fixing their selling price the wise dealers will doubtless base it, not on what they bought at, but on what they would then have to pay if they went upon the market.

PERSONAL MENTION.

Mr. A. W. Humphreys, hardware merchant, Parkhill, is in Toronto this week.

HE TOOK NAILS.

The owner of a general store in a Western village got married. In this little town it is the custom for the happy bridegroom to set up the cigars for all the congratulating males who drop in to wish him joy. So the bridegroom in this instance had a box on the counter, and most of his patrons were regaled from it.

Pretty soon an ancient gentleman lounged in. The storekeeper, who felt friendly to all the world just then, pushed the box towards the new-comer.

"Have a cigar, Uncle Jim," he smilingly said.

Uncle Jim looked at the box and looked at the storekeeper.

"What's this for?" he asked.

The storekeeper slightly blushed.

"Been gettin' married."

"Who? You?

"Yep. Me,"

"An' you're standin' treat, eh?

"Yep," said the storekeeper.

The old man picked up a cigar.

"How much did these seegars cost ye, Ab?" he inquired.

"Oh," replied the storekeeper, "cost me 'bout four cents. They're nickel cigars."

The old man dropped the cigar back into the box. Then his gaze wandered around the store.

"Well, Ab," he slowly drawled, "ef it's all the same to you, I'll take a pound o'nails."

And he got them.—Cleveland Plaindealer.

IF you want a good

Bicycle,
Shot Gun, or
Revolver,

Buy an . . .

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Iver Johnson's Arms & Cycle Works

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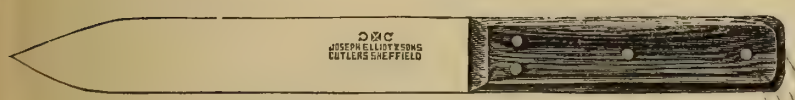
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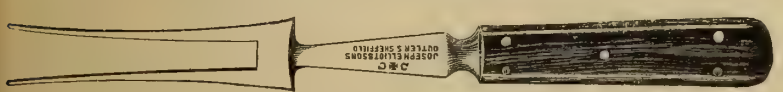
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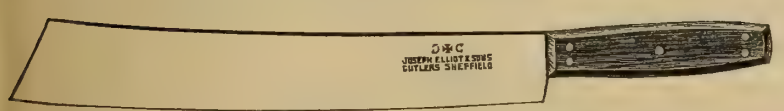
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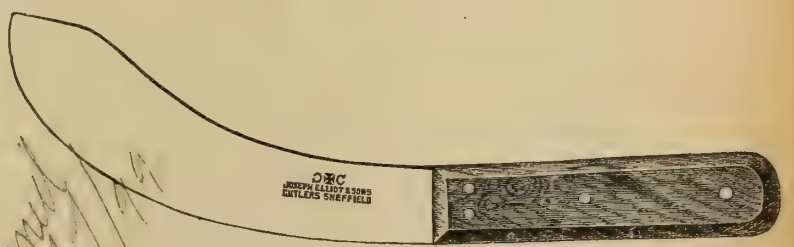
ELLIOT'S Cook Knives.



ELLIOT'S Cheese Knives.



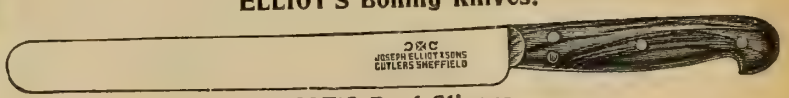
ELLIOT'S Table Knives.



ELLIOT'S Skinning Knives.



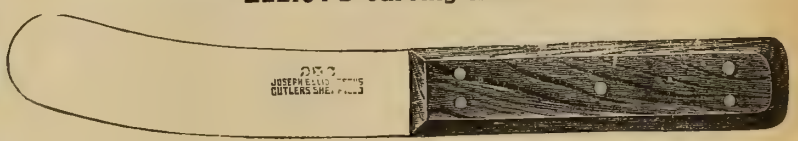
ELLIOT'S Boning Knives.



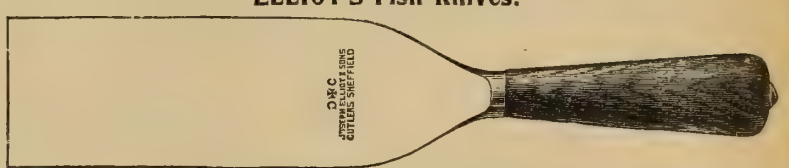
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Orders Filled Promptly. Our Prices are Right.

H. S. HOWLAND, SONS & CO., TORONTO.

ONLY WHOLESALE. GRAHAM WIRE AND CUT NAILS ARE THE BEST. ONLY WHOLESALE.

TOO MUCH AND TOO LITTLE STOCK.

A CORRESPONDENT of Ironmonger recently wrote that journal as follows in regard to keeping stock :

"There are men who, not understanding the art of buying well, have locked up absolutely all their capital in stock, and stock which has been purchased without stopping to think whether it was required or likely to be required for the particular district in which they are located. They buy everything which is introduced to them by pushing travelers. They never trouble to ask a traveler who is the nearest ironmonger selling such-and-such a line, and then writing to him to ask what sort of success he has had with it. If the stock held is too great, the correct thing is to make an effort to realize such portions of it as may well be dispensed with. My experience is that many goods now held by country firms

RATHER DAMAGE BUSINESS

than keep it together, and should rather be in a wholesale dealer's warehouse than upon a retailer's shelves. Take an example : Suppose a certain article is made in a dozen or more sizes, a man such as I have in my mind will keep the whole range of them, whereas half would be ample for all reasonable demands, other sizes only being bought when required to execute special orders. Another fruitful source of overstocking is found in buying beyond the legitimate requirements of the district, buying larger quantities than can fairly be disposed of in order to gain better terms. Of course, there are two sides to this question, but one may lock up a lot of capital by these means, and appropriate much valuable warehouse room by buying more than one wants. It will be found more profitable to concentrate one's energies upon keeping the stock well assorted and within reasonable bounds than taxing one's brains to find a means of disposing of the surplus.

"In contrast to the men who buy everything are those who only buy from hand to mouth. Most firms fail to make a record of goods on order and not to hand. Every order given should be copied into the order-book, where it can be seen at any time and checked off as the goods come in.

A SIMPLE PLAN

for keeping the stock well assorted is to provide each of your staff with a small pocket-book, with alphabetical index in which are entered the names of the firms with whom you do business. Supposing an assistant has sold nearly the whole of the 2-inch cast butt-hinges in stock, and you purchase these from Kenrick's, he will turn to Kenrick's page in his book and put them down as wanted. Another assistant, having sold the last razor at a certain price, will put down in his book under the firm's name from whom razors are obtained, 'No. 360 razors to sell at 2s. 6d.; other numbers also getting short.' These books should be used only for stock ; orders for customers for goods not in stock ought to be put into the counter order-book, and ordered every night, no matter what it may be for. When a traveler's visit is advised the books can be looked over and a decent order often given without any trouble whatever, if the system is properly carried out. One of the greatest drawbacks to keeping stock properly assorted is the failure of the younger members of the staff to inform their superiors of anything they may happen to sell the last of. This matter wants indelibly impressing upon their memories, for it is the most important thing, to my mind, with which they can have to deal, but the one which they unfortunately too often neglect."

TINNING CAST IRON.

FROM time to time several correspondents have asked for particulars how to tin cast iron, says an exchange. The process is one which cannot be fully explained in a paragraph, but the following hints may be of service to many. A number of difficulties are to be encountered in tinning cast iron, one of which is the difficulty of securing castings that are alike in all respects. The last iron taken from the the cupola may not be like the first, as it has been subjected to the action of the heat a longer time. Two lots of castings from the same foundry may also differ, and a similar variation is found in castings from different foundries. The castings to be tinned should be first cleaned from oil or grease, which can be done by boiling in caustic soda-water, after which they should be rinsed in clear water. For the purpose of removing the scale, the castings are placed in a pickle composed of sulphuric acid and three or four parts of water. After the castings have remained in the pickle for a few days the scale shold be so loosened as to be easily removed by washing in clean water or by friction. The scale can also be removed by turning or filing. If it is not convenient to proceed with the tinning after the castings have been cleaned, they should be kept under clean water to protect them from the action of the air. For a flux, take ordinary soldering acid, to which add one-tenth part by weight of sal ammoniac. The cleaned castings are to be dipped in this solution, quickly dried, and then dipped in the melted tin, the surface of which is to be kept from the action of the air by being covered with tallow. While the above is a theoretical method for performing the operation, it may not result successfully, as the iron may not be of such a quality as to take the tin properly. This point can only be determined by actual experiment. Care should be taken during the work to prevent the melted tin from becoming too hot, otherwise the articles will be discolored.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY. MONTREAL.

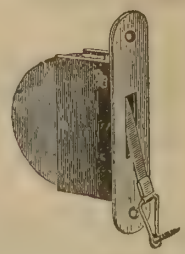


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West Troy, N.Y.
Steel Carriage and Wagon Jacks,
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FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS
BALL BEARINGS
Largest Variety, Toilet, Hand, Electric Power
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WE MAKE THEM.
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COATES' CLIPPERS
HAND AND POWER, easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel and will not heat. 1899 catalogue ready.
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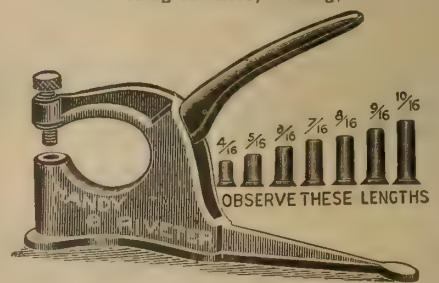
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Size, ⅜-inch.



Cheapest IN THE WORLD.
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IMPROVED HANDY RIVETER
For mending Harness, Belting, etc.



This is the Only Riveting Machine which will do sure work, throwing the rivet to centre of anvil every time and clinching a perfect head. The only machine operating a rivet longer than ⅛ inch—this being absolutely necessary for mending traces and heavier parts of harness. Most simply constructed and easiest operating Riveter on the market. Your stock is not complete without a supply of these very handy machines, which are rapidly becoming universal with the farmer, stockman, horseman etc. A box of 50 No. 1 Tubular Rivets in assorted lengths, from ¼ inch to ⅝ inch, with each Handy Riveter. When you want the best Riveter at the best price write us regarding the Handy. We guarantee every machine.
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The Factory Producing the Most Modern and Artistic Paper Hangings on the Continent.

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OUR { **HEAVY 21-INCH PAPERS** in Flats, Plain Varnish Golds, and Embossed Varnish Golds
INGRAINS—Most Fashionable Shades, with twelve handsome, remarkably rich matched Friezes
EMBOSSED PULP EFFECTS—the newest specialty out

Will accomplish the above results for you.

Note.---Freight equalized with Toronto for towns West of Belleville and West and North of Toronto.

MARKETS AND MARKET NOTES.

QUEBEC MARKETS.

MONTREAL, September 8, 1899.

HARDWARE.

THERE is a good movement in general hardware, the upward tendency of values throughout the entire list causing buyers to be free purchasers for forward delivery. Barbed wire here is, as yet, unaffected by the rise in the United States. A moderate movement is noted in hay-baling wire. Fence staples are inquired for, and a revised list has been issued on wire nails. Cut nails are dull, and there is a moderate demand for horse nails and horseshoes. Screws, bolts, rivets, etc., continue in good request, and there has been another sharp advance in rope. Other lines have developed nothing special.

BARBED WIRE — The rise in the United States has had no influence on spot prices, which remain unchanged at $3 f.o.b. factory, and $3.10 to $3.15 in a small way.

SMOOTH STEEL WIRE —Business is only moderate, and prices are unchanged on the base of $3 for Nos. 6 to 9.

GALVANIZED WIRE —Values are firmly held with some movement to report. We quote : No. 9, $3.15 ; No. 12, $3 30 ; No. 13, $3.45 ; No. 15, $5.15, and No. 16, $5.30.

FINE STEEL WIRE — Quiet, but firmly held, with discounts 17½ per cent.

BRASS AND COPPER WIRE— As last reported, at 50 and 2½ per cent. on brass and 45 and 10 per cent. on copper wire.

FENCE STAPLES—In fair request, and we quote $3.25 for bright and $3.80 for galvanized per keg of 100 lb.

FINE STAPLES—Quiet and steady. Discounts are : Cooper, 55 ; poultry netting, 45, and electrician, broom, bed, etc., 40 per cent. off.

WIRE NAILS—A revised list, which is given elsewhere, was issued this week. The changes have not caused any alterationin the base price which is $3 on the standard nail, with 75 per cent. discount on the miscellaneous list.

COPPER WIRE NAILS—As last reported at 50 per cent. discount.

CUT NAILS—Trade dull and prices unchanged at $2.25 per keg f.o.b.

FLOUR BARREL NAILS— Quiet : Flour barrel 30 and coopers' nails 35 per cent. discount.

BOAT NAILS—Discount 33⅓ per cent. on black and galvanized.

GALVANIZED ROOFING NAILS —Steady, but quiet at 8c. per lb., with 15 per cent. discount.

PRESSED SPIKES — Remain unaltered at 30 per cent. discount.

HORSE NAILS—In moderate request as last quoted : at 50 per cent. on standard and 50 and 20 on other brands.

HORSESHOES—Trade in these is fair but not extensive. We quote as follows : Iron shoes, light and medium pattern, No. 2 and larger $3.50 ; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4 ; X L steel shoes, new light pattern, No. 2 and larger, $3.90 ; No. 1 and smaller, $4.15; featherweight, all sizes, Nos. 0 to 4, $5.15 ; and toe weight steel shoes, all forward, all sizes $6.25 f.o.b. Montreal, St. John, N.B., and Halifax, N.S. Delivered f.o.b. in Toronto, Hamilton, London and Guelph 10c. per 100 lb. extra.

To the Stove and Tinware Trade.

If you attend the Industrial Exhibition, Toronto, or the Western Fair, London, we extend to you a cordial invitation to visit us. Our travelling staff will be on hand to welcome you. . . . . .

At London we have some special jobbing lines to offer.

McCLARY MFG. CO.

LONDON - - - 14, 16, 18 Bay St., TORONTO

Our galvanized-iron business is more than we can handle—has been for months—but no regular buyer has had the least cause for complaint; and the rest have been lucky to get any iron at all.

Apollo Iron and Steel Company, Pittsburgh.

Cements { PORTLAND ROMAN KEENE'S

Bricks . . { FIRE BUILDING PAVING

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F. HYDE & CO.
31 Wellington street, MONTREAL

English Castor Oil
GUARANTEED PURE.
Pharmaceutical, Tasteless, Cold Drawn
First Pressure
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In cases of 2 tins and in barrels. Stocked by all Hardware, Oil and Color men.
The Hull Oil Manufacturing Co.
LIMITED
B. & S.H. THOMPSON & CO.
Agents for Canada - MONTREAL

CANADA IRON FURNACE CO., Limited
Manufacturers of
CHARCOAL PIG IRON
MONTREAL.
BRAND "C.I.F." THREE RIVERS
PLANTS AT
Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.
Geo. E. Drummond,
Managing-Director and Treasurer

SCREWS—In fair demand and firm. Discounts are: Flat head, bright, 80 and 5 per cent; round head do., 75 and 5; flat head, brass, 75 and 5; round head do., 67½ and 5.

BOLTS—An active jobbing movement is noted. Discounts are as follows: Carriage bolts, 5-16 and smaller, 55 per cent.; ⅜ and up, 50 per cent.; full square bolts, 65 per cent.; machine bolts, 55 per cent.; coach screw bolts, 67½ per cent., and sleighshoe bolts, 72½ per cent.

NUTS AND WASHERS — These are well inquired for. We quote: Square, 3¾c. and hexagon 4¼c. per lb.; discount off list. Washers in 50-lb. boxes are 50 per cent. discount.

CORDAGE—Another sharp advance of 1c. has taken place in manila rope, and demand is good at the rise, with prospects of still further advances possibly before the week is out. We quote: Manila, 7-16 and up, 14c.; ⅜, 14½c., and ¼ and 5-16, 15c. Sisal, 11½c. for 7-16 and up; 12c. for ⅜, and 13c. for ¼ and 5-16.

WRINGERS — Quiet and unchanged at $48 to $60, as to brand, with 45 per cent. off.

BUILDING PAPER—More inquiry is noted for forward delivery. We quote: Plain building, 28c.; tarred lining, 35c.; tarred roofing, $1.40, and carpet felt, $2.25.

RIVETS—Steady. Discounts are: Black and tinned, 45 per cent.; ditto burrs, 40 per cent.; copper rivets and burrs, 35 per cent.

CUTLERY—In fair request.

SPORTING GOODS — The movement in loaded shells continues.

CEMENT — The market is moderately active and steady. We quote: Belgian, $1.90 to $2.10; English, $2.30 to $2.40, and German, $2.45 to $2.65, per cask ex wharf.

FIREBRICKS—Fairly active and firm at $17 and $23 per 1,000, as to brand.

METALS.

Demand is fair for all lines of heavy iron and metals, and the strong disposition of value is maintained, with several lines tending higher, though there is no change as yet.

PIG IRON—Prices on this material continue purely nominal in the absence of business. No Summerlee or equal brands of Scotch pig is obtainable under $24 to $24.50.

BAR IRON — Orders are numerous, but sellers are very conservative, and we quote $2.10 to $2.15 f.o.b. Montreal.

BLACK SHEETS — Continue steady at the rise. We quote: 8 and 15, $2.60; 18 and 20, $2.30; 22 and 24, $2.50; 26, $2.60, and 28, $2.65.

HOOP IRON—Strongly held at $3.25.

TINPLATES
"Lydbrook," Best Coke,
"Allaways," Charcoal,
"Dominion Crown," Best Charcoal,
are brands that you can swear by.
A. C. LESLIE & CO.
MONTREAL.

FOX
All-Steel Sash Pulleys
THEY require no Screws—this means a saving of a gross of screws on every six dozen Pulleys.
THEY can be applied quicker than any other Pulley.
THEY are cheap, strong and durable.
NO NAILS NO SCREWS
JUST BORE FOUR HOLES
AIKENHEAD HARDWARE CO.
Toronto.

ADAM HOPE & CO.
30 JOHN STREET N.
Hamilton, Ont.
PIG TIN
50 TONS STRAITS
Per S.S. "Macduff" and "Mesaba."
PROMPT SHIPMENT FROM
MONTREAL, TORONTO, HAMILTON.

NOVA SCOTIA STEEL CO.
Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
Open Hearth Steel

STEEL — Firm, with a good inquiry. We quote: Sleighshoe and tire, $2.60; spring, $2.75; machinery $3.25, and toe calk, $3.10.

GALVANIZED IRON — The upward tendency is maintained, though no quotable change is to note this week. We quote $4.30 to $4.80 for 28 gauge, as to brand, and $4 to $4.50 for No. 24 in case lots.

INGOT COPPER — Inquiry is fair and prices firm at 19½ to 20c.

INGOT TIN—Stocks are small here and prices firmly held at 36c.

PIG LEAD—There has been a decided advance in this metal outside, but spot prices remain at $4.25 per 100 lb.

LEAD PIPE—Quiet. We quote: Ordinary, 7c., and composition waste, 7½c., with 20 per cent. discount.

IRON PIPE — This is one of the cheapest materials in the entire iron list, prices remaining unchanged. We quote as follows: Black pipe, ⅛ and ¼-inch, $3.12; ⅜-inch, $3.25; ½-inch, $3.75; 1-inch, $5.20; 1¼-inch, $6.85; 1½-inch, $8.75 and 2-inch, $11.02. Galvanized pipe, ⅛ and ¼-inch, $5.64; ⅜-inch, $6.64; ½-inch, $7.41; 1-inch, $10.12; 1¼-inch, $14.03; 1½-inch, $17.16, and 2-inch, $23.

TINPLATES — Very strong with prices pointing up. We quote: Coke, I.C., $4.40 charcoal, I. C., Allaway or Comet brands, $4.80; do. I. X., $5.05; Lincoln, $5; P. D. Crown, $5.30; do. I. X., $5.80; Bradley's, $6.25.

CANADA PLATES—No change as yet, but values are bound to advance. We quote: 52's, $2.60; 60's, $2.70; 75's, $2.80; full polished, $3.25; galvanized Canada plates, $4.55 for 52's.

TERNE PLATE—Firmly held at $7.50.

SWEDISH IRON — It is difficult to procure deliveries of this, and we quote $3.40.

COIL CHAIN—Jobbers put up their prices on coil chain this week, the range now being: No. 6, 11¾c.; No. 5, 10¼c.; No. 4, 9¼c.; No. 3, 8¼c. per lb.; ¼-inch, $7; 5-16 $5.75; ⅜, $5.25; 7-16, $5.10; ½, $5; 9-16, $4.50; ⅝, $4.25; ¾, $4.15; ⅞ and 1 inch, $4.10 per 100 lb.

SHEET ZINC—This is the only easy article in the entire list, the range being somewhat lower this week at 7¼ to 7½c.

ANTIMONY—Unchanged, at 10 to 11c.

SPELTER—Firmly held, at $7.

GLASS.

There is no change in window glass. We quote as follows: First break, $1.90; second, $2 for 50 feet; first break, 100 feet, $3.60; second, $3.80; third, $4.25; fourth, $4.50; fifth, $5; sixth, $5.50, and seventh, $6.

PAINTS AND OILS.

There is a steady movement in this department, the special feature of the week being the firmer feeling in dry white lead, buyers finding it difficult to fill wants, though there is no quotable change here, as supplies are still obtainable at the old figures. Advices from the South note a reaction in the price of turpentine, but unless it is continued still further spot prices are not likely to change. Linseed oil is steady. Cod oil is weaker, and seal oil is steady at the recent decline. Castor oil is unchanged.

WHITE LEAD—Best brands, Government standard, $6.00; No. 1, $5.62½; No. 2, $5.25; No. 3, $4.87½.

DRY WHITE LEAD—$4.75 in casks; kegs, $5.

RED LEAD—Firm; casks, $4.50; in kegs, $4.75.

WHITE ZINC PAINT—Pure, dry, 8c.; No. 1, 6½c.; in oil, pure, 9c.; No. 1, 7½c.

PUTTY —We quote: Bulk, $1.65; bladders, in bbls., $1.80; bladders, in cases, $1.95; in tins, $2.05 to $2.30.

LINSEED OIL — Raw, 57c.; boiled, 60c., five to nine-barrels, 1c. less, ten and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—Single barrels, 75c.; two to four barrels, 74c.; five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Firm; $1.10 to $1.30 per gallon.

CASTOR OIL—Firm; 7½ to 8c.

SEAL OIL—33 to 35c.

COD OIL—32½ to 35c.

NAVAL STORES—Fair demand for all lines, and prices show no change: Resins, $2.75 to $4.50, as to brand; coal tar, $3 to $3.50; cotton waste, 4½ to 5½c. for colored, and 6 to 7½c. for white; oakum, 5½ to 6½c., and cotton oakum, 9 to 11c.

PETROLEUM.

Owing to the further rise in crude, refined petroleum has advanced ½ to 1c. We quote: Crown Acme, the new Sarnia oil, 17c.; Perfection and Silver Star, Canadian refined, 16c.; and Pratt's astral, 20½c., in small quantities.

HIDES.

Lambskins have advanced 10c. each to 50c. Beef hides are steady, with a good demand from American buyers, at 7 to 9c., as to grade.

COAL.

Demand is good, and prices are firm, with an upward tendency. We quote: Stove, $5.75; chestnut, $5.75; egg, $5.50; Scotch grate, $6; Scotch steam, $4 to $4.50; Tower ports steam, $3.50 to $3.75.

MONTREAL NOTES.

A revised list on wire nails is published in full elsewhere.

Turpentine has had a slight reaction in the South, but spot prices are unchanged.

English markets on white lead are very firm, and makers are overcrowed with orders.

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.

'WELLINGTON' KNIFE POLISH

JOHN OAKEY & SONS, LIMITED

MANUFACTURERS OF

Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.

Wellington Mills, London, England.

Agent:

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If your Jobber does not keep our steel letters and figures send to us direct, we make everything in steel stamps.

HAMILTON STAMP & STENCIL WORKS

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THE ABBEY IMPROVED CHILLED SHOT COMPANY, LIMITED, Newcastle-on-Tyne

All England Championship Cup, value £100, also stake £100, in all £200, on 7th December, 1898, the winner fired with our shot and writes us: "You will be pleased to hear I won the All England Championship Cup. **I fired with your chilled shot.** Indeed, I would not use any other, as I know from experience it makes the best patterns and kills best."

1879 ESTABLISHED 1879

ESSEX HANDLE and WOOD TURNING WORKS.

Late of Essex, now LEAMINGTON ONT.

Makers of Axe, Fork, Rake, Hoe, Sledge, Broom, Hammer, and all kinds of Handles. Neck Yokes, Singletrees, and Doubletrees, Bench Saws, Exercise Clubs, Baseball Bats, etc., etc. Do you sell any Shaved Pattern and Octagon Axe Handles? The largest and best trade in Canada does, because they give best satisfaction. **All stock air-dried,** not kiln-dried. If you are going to be in it, place your order with

GARDNER BROS. & CO.

TENDERS FOR STEAMSHIP SERVICE.

SEALED TENDERS, addressed to the undersigned, at the Department of Trade and Commerce, Ottawa, marked "Tenders for Steamship Service," will be received until the 15th day of September next, for steamship service, including the carrying of Her Majesty's Mails for a period of five years, for the following:

The service to be during the winter season, say from between the 15th November and 1st December in the Fall to the 1st of May in the Spring. Three full round trips per week, making in all not less than sixty full round trips between Murray Bay on the North Shore and St. Denis on the South Shore of the River St. Lawrence.

Tenders must state the class, engine power, speed, capacity, passenger and other accommodation, etc., of the vessel proposed to be employed, and must show to the satisfaction of the Minister of Trade and Commerce that the vessel offered is capable of fulfilling such conditions as may be imposed.

The Government does not bind itself to accept lowest or any tender.

W. G. PARMELEE,
Deputy Minister of Trade and Commerce.

Department of Trade and Commerce,
Ottawa, 18th August, 1899. (36)

ONTARIO MARKETS

TORONTO, September 8, 1899.

HARDWARE.

BEING the second week of the Industrial Exhibition, a great many merchants from outside places have been in Toronto during the past week, and they have been making some fair purchases. Wire nails are in good demand at firm and unchanged prices. Cut nails are quiet. Hay-baling wire is in good demand, but there is not much doing in other descriptions. Trade is fairly brisk in horseshoes. Screws, bolts, rivets and burrs are all meeting with a good demand. Trade is brisk in enameled ware and tinware. A large number of elbows are going out, and stoves and furnaces are in active request. The past week has witnessed quite a number of changes in prices. Canadian-made axes are 50c. to $1.25 per dozen higher. Sleigh bells have advanced another average 10 per cent. The makers of bright wire goods and various kinds of augurs have advanced their prices. Canadian-made hammers are also dearer. The same is to be said of boys' steel snowshovels. The general tone of the hardware trade is healthy, and a good business is being done.

BARBED WIRE—The advance in prices the end of last week in the United States was $3 per ton. Prices in Canada are unchanged at $3.25 f.o.b. Toronto. Very little business is being done.

SMOOTH STEEL WIRE — Oiled and annealed wire is still quiet, but there is a good demand for hay-baling wire. The base price is firm and unchanged at $3 per 100 lb. f.o.b., factory.

GALVANIZED WIRE—The movement is light with prices unchanged. We quote: Nos. 6, 7, 8 gauge, $3.60; No. 9, $3.10; No. 10, $3.70; No. 11, $3.75; No. 12, $3.20; No. 13, $3.45; No. 14, $4.10; No. 15, $4.70; No. 16, $4.85.

WIRE NAILS—The feature of this line is a new list which has just been issued by the manufacturers. Particulars regarding this list will be found on another page. Prices are unchanged, the base figures being $2.87½ for carloads, and $2.95 for less quantities f.o.b. Toronto.

CUT NAILS— Trade is still quiet with the base price unchanged at $2.25 f.o.b. Toronto, Hamilton and London.

HORSE NAILS — Trade is quiet and featureless. Prices are firm. We quote: Standard, oval head, 50 per cent.; Acadia, countersunk head, 50 and 20 per cent.

HORSESHOES—Business is good, and sales during the past month have been larger than for some time. It is pointed out by some that, as the price of the manufactured article has not advanced in nearly the same ratio as the raw material, higher prices are quite possible. We quote, f. o. b. Toronto, Hamilton, London and Guelph, as follows: No. 2 and larger, light, medium and heavy iron shoes, $3.60; snow shoes, $3.85; light steel shoes, $4.00; featherweight shoes, all sizes, $5.25. No. 1 and smaller, light, medium and heavy iron shoes, $3.85 per keg; iron snow shoes, $4.20; light steel shoes, $4.15; featherweight steel shoes, all sizes, $5.25.

SCREWS — Trade continues much as before, namely, active with prices firm. We quote as follows: Flat head bright, 80 and 5 per cent. off the list; round head bright, 75 and 5 per cent.; flat head brass, 75 and 5 per cent.; round head brass, 67½ and 5 per cent.; flat head bronze, 67½ and 5 per cent.; round head bronze, 62½ and 5 per cent.

BOLTS — An active trade is still to be noted in this line, and prices are firm and unchanged: We quote as follows: Norway bolts, full square, 65 per cent.; common carriage bolts, 5-16 and under, 55 per cent.; ditto, ⅜ and larger, 50 per cent.; ditto, full square, 65 per cent.; machine bolts, all sizes, 55 per cent.; coach screws, 67½ per cent.; sleighshoe bolts, 72½ per cent.; blank bolts, 55 per cent.; bolt ends, 62½ per cent.; nuts, square, 3¾c.; nuts, hexagon, 4¼c.; tapping nuts, 60 per cent.; tire bolts, 60 and 10 per cent.; stove bolts, 60 and 10 per cent.

ROPE—There has been a good deal of rope sold, but the demand is now quiet. We quote: Sisal, 7-16 in. and larger, 11½c. per lb.; ⅜ in., 12c.; ¼ and 5-16 in., 12½c. Manila, 7-16 in. and larger, 14c. per lb.; ⅜ in., 14½c.; ¼ and 5-16 in., 15c.; New Zealand, 11c. per lb.; Deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c; lath yarn, 10c. Clotheslines, 48 feet, 90c.; 60 feet, $1.20; 72 feet, $1.50; 100 feet, $2.

RIVETS AND BURRS — Trade is being fairly well maintained. We quote: Carriage section, wagon box, rivets, etc. (steel), 60 per cent. off the list; ditto (Norway iron), 60 per cent.; black M rivets (steel), 55 per cent.; ditto (Norway iron), 45 per cent.; iron burrs, 40 per cent.; copper rivets, 35 per cent.; bifurcated, with box, $1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

CHURNS—Business is only moderate. We quote: Metal frame — No. 0, $3; No. 1, $3.20; No. 2, $3.40; No. 3, $3.75; No. 4, $4.50; No. 5, $5.90. The price of wooden frames is 15c. per churn less than the above. Terms, 3 per cent. off 30 days f.o.b. Toronto.

WRINGERS — Not much doing. We quote as follows: "Leader," $60 per doz.; "Royal Canadian," $58; "Royal American," $48. Prices are all f. o. b. Toronto, Hamilton, Brockville, and Montreal. Discount, 45 per cent. Terms, four months, or 3 per cent. 30 days.

BUILDING PAPER— There is not much doing yet. We quote: Plain building, 28c. per roll; tarred lining, 35c., according to quality; tarred roofing felt, $1.40 per 100 lb.; carpet felt, $2.25 per 100 lb.

CEMENT—Trade keeps much as before. We quote in barrel lots as follows: Canadian Portland, $2.65 to $2.90; English do., $3; Canadian hydraulic cements, $1 to $1.10; calcined plaster, $1.90; asbestos cement, $2.50 per bbl.

WE CAN
SUPPLY THE TRADE
with
"STAMPED ZINC ORNAMENTS"

all descriptions—made to any architectural design or detail desired.

Let us know what you require.

THE METALLIC ROOFING CO., Limited
1179 King St. W., TORONTO,
Wholesale Man'frs of Reliable Fireproof Building Materials.

TO THE TRADE . .

We cordially invite our customers to call at our warehouse during the Western Fair at London, Sept. 7 to 16. We will give them a hearty welcome and extend to them every courtesy.

Our stock of Fall Goods, Cutlery, Guns, Rifles, Ammunition and General Hardware is complete. We will have bargains for those who give us a call.

John Bowman Hardware & Coal Co. - - London, Ont.

AXES—The price of Canadian axes has been advanced 50c. to $1.25 per dozen. We now quote: Splitting axes, $6.50 to $12; single bit chopping axes, $5.50 to $10; double bit chopping axes, $11 to $18; hunters' axes, $5.50 to $6; handled axes, $7 to $10 per dozen.

WARE—There is still a good movement in enameled ware, and tinware is going out well.

BOYS' STEEL SNOWSHOVELS — The price of these has been advanced, and what cost the retailer $1.25 to $1.50 last year, will now cost him $1.60 to $1.80 per dozen.

METALS.

The metal market rules firm, and it is, on the whole, active. The lines chiefly in demand are galvanized iron, tinplates and Canada plates.

PIG IRON — The market is still strong and the demand good. We quote Hamilton iron at $21 f.o.b. furnace.

BAR IRON—A brisk trade is still being done and the base price is firm and unchanged at $2.15 for small lots.

BLACK SHEETS—A good trade is being done and prices are firm and unchanged.

GALVANIZED IRON — Some houses are practically out of galvanized iron at the moment; others, again, have fair stocks. The recent loss of the Merrimac is the cause of the smallness of stocks with some houses. The ruling price for 28 gauge is $5.

COPPER—Trade is rather more active in ingot copper, and a fair business is being done in sheet copper. Prices are steady and unchanged. We quote: Ingot copper, 20 to 21c. per lb. and sheet, 23 to 23½c. per lb.

PIG TIN—Purchases, as a rule, are only in small lots. Prices are, as a rule, strong. Local quotations are unchanged at 37c. per lb.

TINPLATES—There has been quite a free movement during the past week, but this is largely due to the fact that some of the houses have been shipping orders this week which were previously booked. Not a great many new orders are being received. We quote: All-dull, $2.75; half-polished, $2.85; all-bright, $3.20.

IRON PIPE—A good trade is still to be noted and prices are firm and unchanged. Quotations on black pipe are: ¼ to ⅜ inch, $3.35; ½ inch, $3.40; ¾ inch, $4; 1 inch, $5.50; 1¼ inch, $7.35; 1½ inch, $9.25; 2 inch, $12.50; 2½ to 6 inch, discount off the list 45 per cent. Galvanized pipe is quoted as follows: ½ inch, $6.50; ¾ inch, $8; 1 inch, $11; 1¼ inch, $15.25; 1½ inch, $19; 2 inch, $27.

PIG LEAD—Business is quiet and prices unchanged at 4½ to 4¾c. per lb.

LEAD PIPE — There is not much doing. Prices are as before. We quote: Ordinary pipe, 7c.; waste, 7½c. Discount, 20 per cent.

RANGE BOILERS — There is a little lull in business just now, but an increased demand is looked for in another month. We quote: Galvanized, 30 gals., $9; 35 gal., $10; 40 gal., $11. Copper, 30 gal., $22; 35 gal., $26; 40 gal., $30; discount off copper boilers, 10 per cent.

SHEET ZINC—A fairly good trade is being done in this line. Prices are steady and unchanged at 8¼ to 8½c. per lb.

SPELTER—A little more inquiry is being experienced this week for spelter at 7¼ to 7¾c. per lb.

SOLDER—There is a fairly good movement in 50 and 100-lb. lots. We quote: 21 to 22c. for half-and-half; 20 to 21c. for refined, and 18 to 19c. for wiping.

PAINTS AND OILS.

All the travelers are in the warehouses this week assisting in the entertainment of the country merchants who are in the city. There is, in consequence, a lull in trade, and business is not expected to assume its normal condition until the fall fairs are over. The feature of the paint and oil trade is a decline of 5c. per gallon in turpentine, the announcement of which came too late to make any change in our prices current. The price is now 72c. delivered and 71c. Toronto. Varnishes are steadily advancing. The cheap kinds are 5 to 10c. per gallon higher, and the better grades are 10 to 15c. per gallon dearer. Linseed oil is firm and in good demand,

WHITE LEAD—Ex Toronto, pure white lead, $6.12½; No. 1, $5.75; No. 2, $5.37½; No. 3, $5; No. 4, $4.62½; dry white lead in casks, $5.10.

RED LEAD—Genuine, in casks of 560 lb., $4.90 to $5; ditto, in kegs of 100 lb., $5.15 to $5.50; No. 1, in casks of 560 lb., $4.75; ditto, kegs of 100 lb., $5.

LITHARGE AND ORANGE MINERAL—Litharge, 6 to 6½c.; orange mineral, 7½ to 8½c.

WHITE ZINC—Genuine, French V.M., in casks, $7 to $7.25; Lehigh, in casks, $6.

PARIS WHITE—90c.

WHITING — 55c. per 100 lb.; Gilders' whiting, 85c.

GUM SHELLAC—In cases, 20c.; in less than cases, 24c.

PLASTER PARIS — Ordinary, $1.75 per barrel; New Brunswick, $2 to $2.20 per barrel.

PUMICE STONE—Powdered, $2.50 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, $1.10 per gallon; No 1 quality, 90c. per gallon.

SEAL OIL—59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9c. per lb. and 10c. for single tins.

LINSEED OIL — Outside western points (freight allowed): Raw, 1 to 4 barrels, 59c.; boiled, 1 to 4 barrels, 62c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE — Outside western points, freight allowed, 1 to 4 barrels, 72c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London

are 1c. less than the above. Terms, net 30 days.

GLASS.

The strike amongst the dockmen in Great Britain and in Belgium is interfering with the shipments of glass. The demand for glass locally is fair, and would be better were not dealers cutting up large sizes, rather than buy from stock at present prices. We quote window glass: Star, first break in 50-foot boxes, $2.15, and in 100-foot boxes, $4; double diamond under 25 united inches, $6, Toronto, Hamilton and London; terms 4 months or 3 per cent. 30 days.

OLD MATERIAL

Trade is good. Deliveries are good, particularly of scrap iron, copper and rubber. We quote: Agricultural scrap, 55c. per cwt.; machinery cast, 60c. per cwt.; stove cast scrap, 45c.; No. 1 wrought scrap, 55c. per 100 lb.; new light scrap copper, 12½c. per lb.; bottoms, 11c.; heavy copper, 15c.; light scrap brass, 7½c.; heavy yellow scrap brass, 10c.; heavy red scrap brass, 11c.; scrap lead, 2½c.; zinc, 3c; scrap rubber, 4c.; good country mixed rags, 65 to 75c.; clean dry bones, 45 to 50c per 100 lb.

MARKET NOTES.

Varnishes are steadily advancing.

Boys' steel snowshovels are dearer.

Sleigh bells have advanced another 10 per cent.

Axes of Canadian manufacture are 50c. to $1.25 per dozen dearer.

Turpentine is 5c. per gal. cheaper, being now quoted at 71c. Toronto and 72c. delivered at outside points.

NEW BRONZING PREPARATION.

IN April, of this year, Mr. Chas. A. Bull, of Montreal, applied for a patent on a preparation for the applying of bronze to all classes of decorative work, which patent having been granted, the article is now being placed on the market through The Adams-Irwin Novelty Co., 207 St. James street, Montreal, who have secured the selling agency for the Dominion.

It is known as "Bull's Guinea Bronze Fluid," and is being sold in tins ranging from ½ pint to 1 gallon. The tins have a neat label of blue paper with gilt lettering, and containing a cut of a guinea as a trade mark.

The fluid is in the nature of a size, which can be applied to the article to be covered, and upon its becoming "takey," or, in other words, almost dry, the bronze powder can be applied with a soft cloth, chamois or brush. Sufficient of the powder will adhere to the surface to give a hard, bright, even finish, closely resembling gold leaf.

The manufacturers claim that this fluid will distribute over a much greater surface than any other article now on the market, and that the quantity of bronze required is not more than one-quarter that needed when using liquids that are mixed before using. Repeated tests have gone to prove these statements, and the appearance and durability of the work done by the fluid has been so satisfactory that buildings in which it was tested months ago are now being decorated throughout therewith.

One coat is all that is necessary for any class of work, and the fluid is free from the objectionable odor that accompanies many of the sizes heretofore used, both of which features should operate materially in its favor.

It is understood that the fluid is now being used in, and specified for, some of the large public buildings now going up in Montreal, and that the principal railway systems and public works departments throughout the country are giving it a trial.

A handsome exhibit of work done with the fluid has been prepared, and is being shown at the Sherbrooke and Ottawa Exhibitions.

BE LOYAL TO YOUR EMPLOYER.

LOYALTY doesn't mean honesty only, says The Keystone, it means more than mere faithfulness in the performance of prescribed duties. If you are truly loyal you will be watchful for his interest at all times, outside as well as inside the store. You will take as much interest in the success, as he does, or as much as you take in your own. You will constantly be studying how you can advance his interests within the limit of your opportunities.

A loyal clerk "takes the business to bed with him," as Stephen Girard said. He doesn't have to be told to do his work—he does it in the pleasure of the sense that it is his contribution to the prosperity of "the boss"; for loyalty is a higher virtue than faithfulness. It represents all that faithfulness stands for, and something more besides.

The loyal clerk best shows his quality outside the store, outside of store hours. Let us suppose his employer is a crusty sort, or has peculiar notions, or an awkward habit of walking, or an impediment in his speech, or some other blemish which attracts attention and light talk. In a miscellaneous company of friends, or even among a few intimates, these crochets or pecularities of "the boss" are made fun of, in the presence of the clerk. If he is just an ordinary clerk, who thinks that he has earned his salary when he has done his specified work, or who believes that he has discharged all moral obligations to the business when he leaves the store, he will join in the laugh, and probably lead in it. He will illustrate "the old man's" absurdities, as one speaking with the authority of daily observation. But, if he is the loyal clerk we have in mind, he will show offence at these sarcasms; will correct the reports of idle gossip; will "stand up" for his employer with all the zeal he can summon. Whatever personal opinions he may hold as to the evidence of weaknesses or whims on the part of the merchant, he will not reveal, but will conceal such opinions, and make the best showing for a poor cause; for he is loyal.

If his employer is not honest, or in some particular not worthy of the respect of self-respecting people, he will quit his service; for the right sort of clerk will find it hateful service to serve such a man. He must quit him to be loyal to himself—to his conscience and his manhood. But while he remains he must be loyal; and he may withdraw his loyalty only when he withdraws his service.

AN AMUSING LETTER.

The following somewhat amusing business letter was recently received by a wholesale house in Toronto:

Dear Sirs,—I regret that owing to a disappointment in some money I have been expecting, I have not funds to hand to pay you, and trust you will be good enough to further extend time on this small balance till September 19, and I promise to pay you. I enclose the 51c. which will leave an even balance of $15, and I trust you will be kind enough to wait till above date, and thank you in anticipation for so doing.

Comment is unnecessary.

76,800 Daily Production
5 Factories
5 Brands
For Sale all over the world.



16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of America.

NICHOLSON FILE CO., Providence, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited. Established 1773.

Manufacturers of **Polished, Silvered, Bevelled Chequered, and Rough Plate Glass.** Also of a durable, highly-polished material called "**MARBLETTE,**" suitable for Advertising Tablets, Signs, Facias, Direction Plates, Clock Faces, Mural Tablets, Tombstones, etc. This is supplied plain, embossed, or with incised gilt letters. **Benders, Embossers, Brilliant Cutters, etc., etc.** Estimates and Designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow 12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glass, St. Helens." Telephone No. 68 St Helens.

Barrett's Glass Cutters Standard

Barrett's Practical Glass Cutters are the standard the world over.



Sold by more Hardware Dealers than all other makes combined. Send for prices and sample. W. L. BARRETT, Manufacturer, Bristol, Conn., U.S.A

MILITIA.

SEALED TENDERS for the supply for the Permanent Force and Active Militia of Necessaries, Barrack Stores and Camp Equipment, consisting of Boots, Socks, Underclothing, Shirts, Razors, Brushes, etc.; Mops, Corn Brooms, Marquees, Saddlery, etc., will be received up to noon, Tuesday, 26th of September, 1899.

The tenders are to be marked on the left hand corner of the envelope, "Tender for Militia Store Supplies," and are to be addressed to the Honorable the Minister of Militia and Defence, Ottawa.

Printed forms of tender, containing full particulars, may be obtained from the undersigned at Ottawa, and at the offices of the District Superintendent of Military Stores at London, Toronto, Kingston, Montreal Quebec, Halifax and St. John.

Patterns or samples of the supplies to be furnished may be seen at the office of the undersigned at Ottawa. Samples will not be sent to parties desiring to tender.

No tender will be considered unless made on the printed form furnished by the Department, nor if the form is altered in any manner whatever. Parties must state in their tender what facilities they have for executing a contract if one be awarded them, and give the names of two responsible parties as guarantees of their ability to perform such a contract.

Each tender must be accompanied by an accepted chartered Canadian bank cheque, payable to the order of the Honorable the Minister of Militia and Defence, for an amount equal to 10 per cent. of the total value of the articles tendered for, which will be forfeited if the party making the tender decline to sign a contract when called upon to do so. If the tender be not accepted the cheque will be returned.

The Department does not bind itself to accept the lowest or any tender.

A. BENOIT, Capt., Secretary.

Department of Militia and Defence,
Ottawa, 31st Aug., 1899

Newspapers inserting this advertisement without previous authority from the Department will not be paid for it. (38)

SEALED TENDERS, addressed to the undersigned, and endorsed, "Tender for Extension of Levis Dry Dock," will be received at this office until Wednesday, 20th September next, for the extension of the dry dock at Levis County of Levis Que., according to a plan and specification to be seen at the office of Hugh Valiquet Dockmaster, Levis, Que., at the Public Works Office Post Office, Quebec, and at the Public Works Office Post Office, Montreal, and at the Department of Public Works, Ottawa.

Tenders will not be considered unless made on the form supplied, and signed with the actual signatures of tenderers.

An accepted bank cheque, payable to the order of the Minister of Public Works, for twelve thousand dollars ($12,000), must accompany each tender. The cheque will be forfeited if the party decline the contract or fail to complete the work contracted for, and will be returned in case of non-acceptance of tender.

The Department does not bind itself to accept the lowest or any tender.

By order,
E. F. E. ROY,
Secretary.

Department of Public Works,
Ottawa, 24th August, 1899.

Newspapers inserting this advertisement without the authority of the Department will not be paid for it. (37)

SEALED TENDERS, addressed to the undersigned and endorsed "Tender for Heating Apparatus, Rat Portage, Ont.," will be received at this office until Thursday, 21st September, 1899 for the construction of a hot-water heating apparatus at the Post Office, etc., Building, Rat Portage, Ont.

Plans and specification can be seen at this Department and at the office of the Clerk of Works, Rat Portage, Ont.

Persons tendering are notified that tenders will not be considered unless made on the printed form supplied, and signed with their actual signatures.

Each tender must be accompanied by an accepted bank cheque, made payable to the order of the Honorable the Minister of Public Works, equal to ten per cent. (10 per cent.) of the amount of the tender, which will be forfeited if the party decline to enter into a contract when called upon to do so or if he fail to complete the work contracted for. If the tender be not accepted the cheque will be returned.

The Department does not bind itself to accept the lowest or any tender.

By order,
E. F. E. ROY,
Secretary.

Department of Public Works,
Ottawa, August 31st, 1899.

Newspapers inserting this advertisement without authority from the Department will not be paid for it. (37)

FOR SALE—

Trip Punch, Turning Lathe, Spinning Lathe, Emery Wheel, Milling Machine, Four Spindle Drill, Gear Cutter, Buffing Gig, Shafting, Hangers, Pulleys—in good order, a bargain.

Wanzer Lamp and Mfg. Co., Hamilton, Ont.

PERSONS addressing advertisers will kindly mention having seen their advertisement in Canadian Hardware and Metal Merchant.

CAUSES OF FAILURE

In the Hardware Trade and How Avoided.

As long as there are failures, subjects that furnish information how to prevent them will always be timely. We have published, in pamphlet form, three admirable papers on the above topic, in which Over-Stocking, Expense, Capital, Credit, Discounts, Buying, etc., etc., are ably discussed. We will mail the whole three essays to any address on receipt of **10 cents**

HARDWARE AND METAL, Toronto

Buy the Best.



HERCULES

Sash Cord.

Star Brand Cotton Rope

Star Brand Cotton Clothes Lines

Star Brand Cotton Twine

For Sale by all Wholesale Dealers

The NEWEST, BEST and CHEAPEST article for all classes of bronzing work is

BULL'S GUINEA BRONZE FLUID

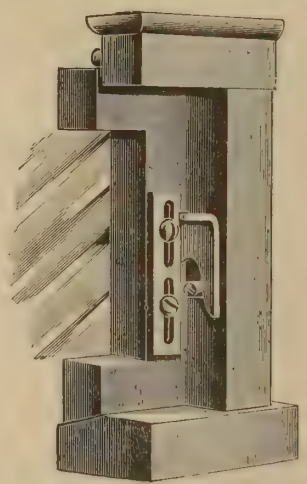
It goes farther, lasts longer and gives a better appearance than any other preparation now on the market. It has no objectionable smell, and does its work perfectly with but one coat.

Every dealer should handle this article, and every decorator, plumber, etc., should give it a trial.

THE ADAMS-IRWIN NOVELTY CO.

Sole Selling Agents for Canada. **207 St. James Street, MONTREAL.**

Moore's Patent Improved Wrought Steel Storm-Window Fastener.



Inside Fastener.

Patented in United States and Canada.

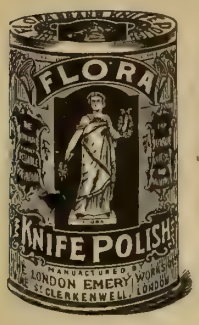
THE only perfect Storm-Window Fastener yet invented. Over half a million sets now in use in the United States and Canada. Put up in one dozen sets; four in a set. Packed with screws and directions.

$1.75 a dozen.
One gross sets in a case,
$15.00 per gross.

SOLD TO THE TRADE.

Duty Paid on Canadian Orders.

Address all Orders to **C. R. MOORE, Newport, Vermont.**



EMERY

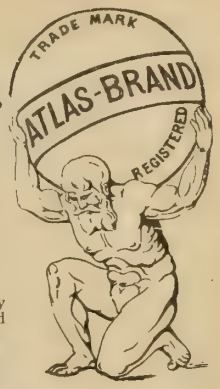
Cloth and Paper.
Glass and Flint Paper.
"Atlas" Brand

"FLORA" Knife Polish, in 3d., 6d. and 1/ tins

Ground, Washed and Flour.

WHEELS of highest quality for general and special purposes.

EMERY GRINDING MACHINERY



Write for Latest Catalogues and Samples to

THE LONDON EMERY WORKS CO., 10-12 Vine Street Clerkenwell, LONDON, E.C.

Agent in Canada—MR. T. L. PATON, 30 St. Francois Xavier Street, Montreal, P. O. Box 903.

Use Syracuse Babbitt Metal

IT IS THE BEST MADE

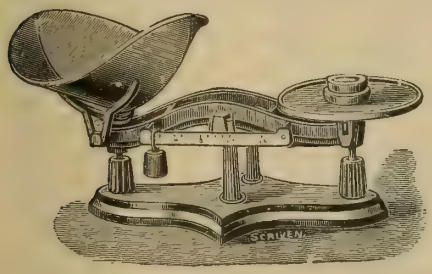


For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds Machinery Bearings.

PIG TIN, LEAD, INGOT, COPPER, BRASS, NICKEL, ALUMINUM, ZINC SPELTER ANTIMONY, ETC., FURNISHED PROMPTLY.

Factories: 332 William St., MONTREAL, QUE. and SYRACUSE, N. Y.

Syracuse Smelting Works



ANYTHING from a LETTER SCALE weighing 1/8 oz., to a 100 ton RAILWAY SCALE.

THINGS HAVE TAKEN A TURN!

IT IS QUALITY'S TURN TO SPEAK!

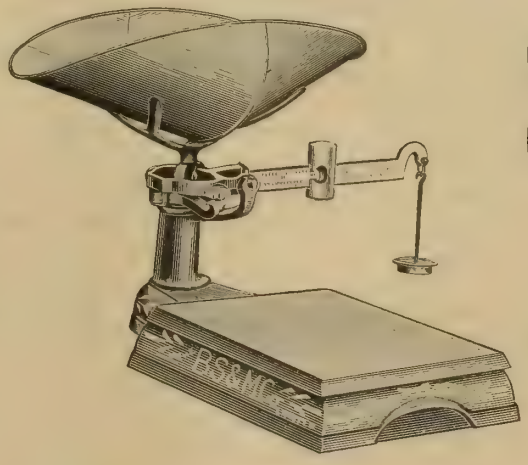
The QUALITY of our "IMPERIAL STANDARD"

IMPERIAL STANDARD SCALES

are Manufactured in the best equipped factory in the Dominion, by the most competent workmen, continually under the supervision of the Government

INSPECTORS.

Write for Prices to



SCALES

is UNSURPASSED and the DEALERS Recognize the Fact.



THE BURROW, STEWART & MILNE CO., LIMITED.
HAMILTON, ONT.

WE ALSO MAKE "JEWEL" STOVES AND FURNACES.

MANITOBA MARKETS.

WINNIPEG, Sept. 4, 1899.

THE hardware market presents a few changes in price this week, but no change of situation. Business is good in all lines. As is usual at this season, there is an active demand for stoves, and the question of coal is being discussed with much interest. Building operations are being rushed forward with the utmost speed. We quote as follows:

Barbed wire, 100 lb	$3 75
Plain twist	3 75
Staples	4 25
Oiled annealed wire 10	3 72
" 11	3 79
" 12	3 85
" 13	4 00
" 14	4 12
" 15	4 20
Wire nails, 30 to 60 dy, keg	3 45
" 16 and 20	3 50
" 10	3 55
" 8	3 60
" 6	3 75
" 4	3 85
" 3	3 90
Cut nails, 30 to 60 dy.	2 75
" 20 to 40	2 80
" 10 to 16	2 85
" 8	2 90
" 6	2 95
" 4	3 25
" 3	3 50
" 3 fine	3 80
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No. 1	4 25
No. 2 and larger	4 00
Snow shoes, No. 0 to No. 1	4 70
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 70
No. 2 and larger	4 45
Extra light	4 65
Bar and band iron, $2.65 basis.	
Swedish iron, $5 basis.	
Tool steel, Black Diamond, 100 lb	8 75
Jessop	12 75
Sheet iron, black, 10 to 12 gauge, 100 lb.	3 25
14 to 26 gauge	3 50
28 gauge	3 60
Galvanized American, 16 gauge	4 25
18 to 22 gauge	4 50
24 gauge	4 75
26 gauge	5 00
28 gauge	5 25
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 55
26 gauge	8 80
28 gauge	8 00
Tinplate, IC charcoal, 20 x 28, box	10 50
" IX "	12 50
" IXX "	14 50
Ingot tin	38
Canada plate, 18 x 21 and 18 x 24	3 35
Sheet zinc, cask lots, 100 lb	9 00
Broken lots	9 50
Pig lead, 100 lb.	4 50
Wrought pipe, black up to 2 inch	50 p.c.
" Over 2 inch 50 and	10 p.c.
Rope, sisal, 7-16 and larger	12 50
" ⅜	13 00
" ¼ and 5-16	13 50
Manila, 7-16 and larger	14 50
" ⅜	15 00
" ¼ and 5-16	15 50
Solder	22
Cotton rope, all sizes, lb.	15
Axes, per box $6.00	to 8 00
Screws, flat head, iron, bright..75, 10 and	7½ p.c.
Round " " 70 and	10 p.c.
Flat " brass 70 and	10 p.c.
Round " "	65 p.c.
Bolts, carriage 5-16 and smaller	47½ p.c.
⅜ and larger	42½ p.c.
Machine	47½ p.c.
Tire 50 and	10 p.c.
Sleigh shoe	65 p.c.
Rivets, iron	37½ p.c.
Copper, No. 8, lb.	33½ c.
Spades and shovels	40 p.c.
Harvest tools	60 p.c.
Axe handles, turned, s. g. hickory, doz.	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 65
No. 1	1 25
Linseed oil, raw, per gal	61
" boiled "	64
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	40 p.c.
C.F. pistol	10 p.c.
C.F. military	Net.
Loaded shells, Robin Hood, M	$20 00
Eley's soft, 12 gauge	15 00
chilled, 12 guage	16 50
soft, 10 guage	20 00
chilled, 10 guage	21 00
American, M	16 25
Shot, Ordinary, per 100 lb	6 50
Chilled	7 00
Powder, F.F., keg	4 75
F.F.G.	5 00
Robin Hood	10 00
Tinware, pressed, retinned 70 and	2½ p.c.
" " plain 70 and	15 p.c.
Graniteware, according to quality	60 p.c.
Turpentine, by barrel	83c.
Less than barrel	88c.

A WONDERFUL GUN.

A London, England, paper states that a young man, only nineteen years of age, has invented a deadly, noiseless, smokeless, electrical gun, and has refused to take for his invention £75,000, offered him by the Admiralty. The inventor, it is stated, is the son of a Portland grocer. At present he is an apprentice at Whitehead's Torpedo Works, and, despite his age, he possesses a remarkable stock of natural ability and electrical kowledge. The idea is is at present represented by a model weighing seven pounds. A consideration of the effects produced by this tiny instrument are enough to impress one with the possibilities of this new arm when it is thoroughly and effectually developed. This thin metal tube is open at both ends. The shot consists of the most deadly explosives. The tube is useless without the shot. The shot is useless without the tube, attached to which is the case containing the electrical force. An iron target, at a recent test, was placed a mile seaward. The seven-pound gun discharged its explosive contents several times. Each time a shattered target demonstrated its deadliness. The velocity of the shot is estimated at 5½ miles in two seconds. The representatives of the Admiralty have asked the young man to build a larger gun.

QUICK SALES AND GOOD PROFITS.

Merchants who sell at retail are apt to protest against the payment of advanced prices to manufacturers or jobbers, remarks Stoves and Hardware Reporter. If they are asked $2 for an article that formerly cost $1.50, they are inclined to think that it will be poor policy to spend the extra 50c. for what is worth no more than formerly for purposes of actual use. But it is the selling price at retail that best answers the objection. If 10 per cent. is a recognized profit at retail, it is better for the seller to realize that rate on $2 than it is on $1.50. Prices have gone up along the line, from the manufacturer to the consumer or user. Everyone shares in the gain, and the higher the prices the better the profits. Besides, this is a period of quick sales.

THE SPOON IN HISTORY.

The custom of collecting spoons of various dates and designs is one that greatly obtains with curiosity hunters, and from cobwebby antiquarian to contriving hostess the spoon of authentic pedigree is equally interesting and covetable, in one case for its inherited history, and the other for its added ornamental "value" to the dinner table, says an exchange. Old baptismal spoons are especially treasure trove to the collector, and some relics of ornate Tudor times, which were lately unearthed in a Wiltshire village and sold in King street, fetched the most extraordinary prices. It is curious to think that the only instrument our forebears fed themselves with was the spoon—and as entertainers in those days were not required or supposed to provide their guests with such out-of-the-way luxuries, each man brought his own in his pocket. As soon would a lady or gentleman of quality think of travelling without a spoon case in the days between Henry VIII. and James I. as we moderns would be likely, on railway journeys, to go without watches. All persons, then, received spoons from their godparents, more or less ornate, according to the means of those worthy folk, the most ordinary shape being the Apostle handle; but in old Catholic times various sacred objects and legends were commonly engraved thereon with great elaboration. It was a Somersetshire squire, one adventure-seeking Tom Coryate, who finally delivered England from being altogether spoon-fed, and gave it over to the enlightenment of forks. This was when James I. was king, and when few of his subjects moved out of their own country for pleasure, "the grand tour" being still unknown, and beyond Channel an undiscoverable land to most true-born Britons. Master Coryate, a bon viveur and a lover of sights, did his devoirs of sight-seeing with a thoroughness not always possible of repetition to ears polite. At Cremona he ate frogs, at Heidelberg drank wine from a great cask, at Venice saw for the first time women on the stage. Here he also saw some less orthodox others, whose high-heeled shoes (chopines) especially enthralled the receptive man from Somersetshire.

A ST. STEPHEN, N.B., STORE.

Mr. Andrew DeWolfe, of St. Stephen, N.B., has moved to a new and much brighter store on King street. This store is so situated that it is bound to catch the eye of anyone who passes.

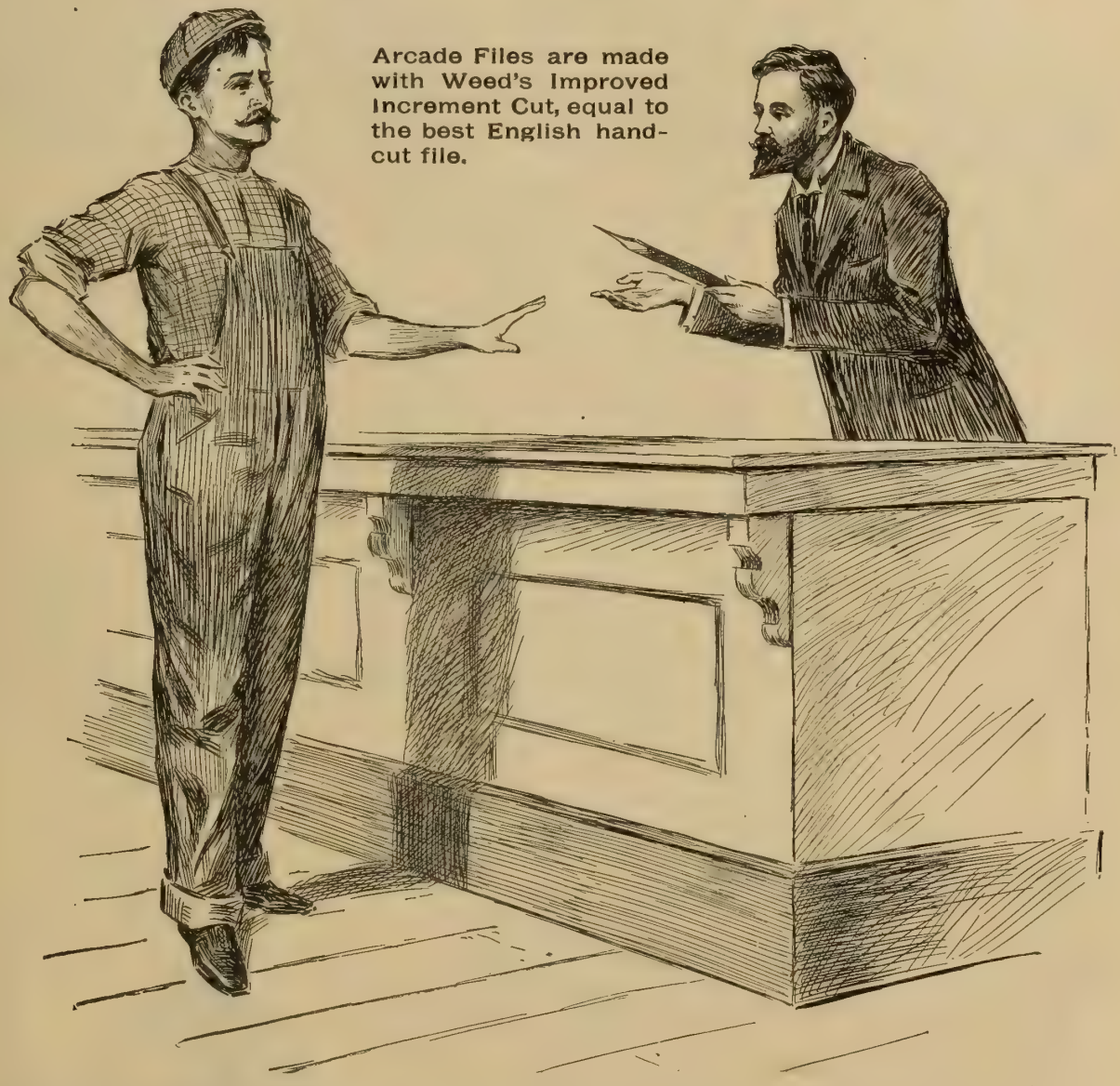
CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY, MONTREAL.

The WORLD'S GREATEST FILE WORKS

ESTABLISHED 1842.

There is no other file "just as good."

THE ARCADE IS THE BEST



Arcade Files are made with Weed's Improved Increment Cut, equal to the best English hand-cut file.

"I want an ARCADE file."
"We are all out of ARCADE files. Try this; it is just as good."
"No, Sir. I want the ARCADE. It cuts faster and wears longer than any other file made."

THE ARCADE FILE WORKS

NEW YORK:
97 Chambers St.
SAMUEL W. ALLERTON,
President.

Works: ANDERSON, IND.
COURTLANDT C. CLARKE,
Sec. and Treas.

CHICAGO:
118 Lake Street.
ALFRED WEED,
Vice-President and Gen'l Mgr.

THE STORE FRONT AS A PAINT AD.

FORWARD & INCREASE have been in the paint business over twenty successful years, and in that time they have accumulated a number of good business pointers that they call "paint dealers' maxims." Among them is this one, "If you sell paint let your store front advertise it."

Forward's application of this is, simply and solely, keep your store front well painted; keep it bright and attractive with the best paint you sell; don't let it get dingy and soiled; have it always the best painted store front in town.

Increase supplements this interpretation of the maxim by making it cover window dressing and good signs as well.

They are both right, but Forward's application seems the more pertinent. It is just as important for the dry goods and shoe dealers to have well-dressed windows as it is for the paint dealer. It is not just as essential, however, that their store fronts should have as pronounced a painted effect. With the shoe dealer it is more important that the shoes he wears be up-to-date and well kept. Forward says if he were in the shoe business he'd always keep his own shoes well shined so people would know he sold blacking, but, being in the paint business, he shines his store front and his house instead—but particularly his store front. His reasoning is sound and good.

In the first place, a well-painted, brightly-painted front forces attention to your store. It attracts attention from a distance better than anything else you can use. It makes the store and building stand out boldly in contrast to your neighbors.

In the second place, it will make people think of paint. And it is this point that makes an attractively painted front so valuable to the paint store. You gain attention and at the same time talk paint. It shows that you believe in the use of paint. It's a business sign in itself, too, and a good one, just as much as a druggist's pestel and mortar or the barber's pole.

Again, your brightly-painted store front gives a spick and span, "fresh as paint," up-to-date appearance to your establishment that will do you inestimable good. People admire cleanliness; they are always impressed when they see it. Clean sidewalks, scrubbed floors and well-painted fronts are paying investments. People say of Forward & Increase, "I always like to go in their store—it looks and smells like a new ship, ready for sea." "Ship-shape" is their watchword, and you know how generously a ship uses paint.

Taken all in all, this maxim, "If you sell paint let your store front advertise it," is pretty good one to paste in your hat. You certainly can go a long way looking for a better and more practical ad., to say nothing of the benefit of having handy so good an example of the class of work your best line of paints can turn out.—The S.-W. P.

BRITISH COLUMBIA PLATINUM.

A SPECIAL report on the existence of platinum in British Columbia was asked by Washington from United States Consul Dudley at this port, and the report, recently published, follows:

"Upon receipt of the Department's instruction, I addressed a letter to the honorable Commissioner of Mines for this Province, and he sent me a statement of the output of platinum since 1888, given below. I have made diligent inquiry from other sources and learn that it is generally believed that there are considerable deposits of platinum at several points in this Province, especially in the Similkameen division of the Yale district. I am told that large quantities of platinum have been found in the eastern portion of British Columbia, between Calgary, on the line of the Canadian Pacific railway, and Edmonton in the Northwest Territory.

"I do not learn that platinum has been discovered to any extent in the valley of the Fraser river.

"One of the best mining engineers here said to me that platinum, osmium, and associated minerals were found wherever there were placer deposits of gold. This gentleman also stated as his opinion that there was a considerable quantity of platinum and associated minerals in the placer-mining districts in Alaska and the British Northwest Territory. He believes that much platinum is thrown away by the miners in the placer districts, for the reason that the miners working for gold do not recognize the other mineral of almost equal value.

"Considerable search is now being made for platinum by men of experience.

"The deposits on the Fraser river near Lillooet and on the Tranville river have not yet yielded largely; but the belief is general here that good amounts may be obtained if proper efforts for its production are made."

Output of platinum since 1888:

Year.	Quantity. Ounces.	Value.
1888	1,500	$ 5,250
1889	1,000	3,500
1890	....	4,500
1891	....	10,000
1892	....	3,500
1893	....	1,800
1894	....	950
1895	....	3,800
1896	....	750
1897	....	1,600

Most of this comes from the Similkameen division of Yale district.

THE TRIED AND TRUSTED CLERK.

WHEN a trustworthy and tried employe asks for a raise, says The Stoves and Hardware Reporter, the merchant often regards the procedure as a personal affront to himself and a strong indication that the clerk is a monument of ingratitude and unreasonableness. An employe may work hard and faithfully for years, doing two or three men's work all the time, and yet no notice is taken of his faithful service for fear he will want some tangible evidence of the appreciation other than can be given in mere words. When a clerk is entitled to a raise and knows it, and is also well aware that the firm is able to stand it, it is an act of injustice for the merchant to refuse to give it to him. An employe who has real ability ought to improve in his work when he has grown more experienced after years of constant service in the business. Such a clerk is almost indispensable to the store; he always knows where everything is, all about different characteristics of goods of which new clerks are ignorant; and there is another important consideration—he generally knows the price of things and is not compelled to run all over the store as less competent clerks do in search of someone to tell them the price of something where the tag has happened to drop off of it. Too often the employer takes as a matter of course the faithful service which has been rendered him for years and does not estimate it at its true value. On the contrary, having become accustomed to this service, he comes to the conclusion that it is not so difficult after all to render it and that anybody can do it, and consequently unhesitatingly tells the old employe so when a question of raising the salary is brought up. This is the greatest mistake a merchant can make, for cheap clerks do cheap work.

James Wiggle, general merchant, Kingsville, Ont., has sold out to F. A. Miller.



STANDAND GOODS.

Banner Cold Blast Lanterns.
Climax Safety Tubular Lanterns.
Victor Acetylene Bicycle Lamps.

Best material. Superior workmanship. Brilliant light.

Manufactured by

THE ONTARIO LANTERN CO.
HAMILTON, - ONT.

For sale by all prominent Hardware and Lamp Goods Merchants



The Leader Lawn Swing

Children's Delight, Satisfying to all, Perfectly Safe, Very Strong, Most Restful and Invigorating.

ORDER NOW.

The Dowswell Manufacturing Co.
HAMILTON, ONT. Limited

EXTENDED INSURANCE.

One of the many liberal features embodied in the **UNCONDITIONAL ACCUMULATIVE POLICY** issued by the

Confederation Life Association.

HEAD OFFICE--TORONTO.

is the provision for Extended Insurance. After two full annual premiums have been paid, the insured is entitled to Extended Insurance for the full amount of the policy for a term of years definitely stated therein. Paid-up and Cash Values also guaranteed.

Rates and full information sent on application to the Head Office, Toronto, or to any of the association's agents.

W. C. Macdonald, Actuary. **J. K. MACDONALD,** Managing Director

THE FALL TRADE

To secure thoroughly reliable goods send your orders for

Ready-Mixed House and Floor Paints,
Varnishes, Japans, Coach Colors,
White Lead, Colored Paints, Enamels,
Wood Stains, Wall Tints, Putty, etc.

To Henderson & Potts,

NOVA SCOTIA PAINT AND VARNISH WORKS,

HALIFAX, and 747 Craig St., MONTREAL.

Sole Agents for the Dominion for **Brandram's Celebrated White Lead.**

HEATING AND PLUMBING

A PROMISED REVOLUTION IN HEATING.

ACCORDING to an English newspaper, a company is to be incorporated in London to hold and develop over Europe and America the master patents of a new resistance material invented by a young Austrian—Vogt by name.

It is claimed that the new invention will quite supersede the wire coils at present in general use. The new material is, in the first instance, plastic, being a mixture of carbon and certain potters' clays in certain proportions, the principal subject of the letters patent, and is baked like ordinary earthenware. The new material resembles slate in appearance and density. For motors it is being made in the form of rings with square or rectangular section, and the resistance increases in proportion to the size of section. As the operator turns the handle, which is the radius of the circle with the resistance-ring as circumference, the points of contact go further apart, the amount of resistance material through which the electric fluid passes increases, and more is thrown off. In the ordinary coil-resistances the resistance varies with the number of coils in circuit, and the number of voltages is limited by the number of coils employed, but it is claimed that in the new material the number of voltages attainable is infinite, and also that short-circuiting frequently caused in ordinary coil-resistances by a defective wire is quite impossible, and that a saving of 40 per cent. in cost is effected. Stress is laid upon the advantages of the new system where machine tools and other power-appliances are driven by electric motor, particularly where variation in speed is desired often and quickly.

Wide as will be the field for this new material in motor work, for lighting and heating purposes its scope will be quite as important and unlimited if the claims put forward for it bear the test of experience. The material, being plastic, lends itself to the formation of any shape of cooking utensil, to any style of stove or radiator, even to any kind of domestic ornament or statuary. The vessel acts as its own heater on being put in circuit with the supply. It is stated by the inventor that a much greater percentage of heat proportionate to the amount of motor-electricity expended can be got from his material than from any system hitherto used. He promises us a revolution in our methods of cooking, and informs us that a few years hence all that will be found in an up-to-date kitchen will be some pots and pans made of his material and some wires hanging from the wall. The attachment of these wires to the cooking utensils will cause the generation of sufficient electric heat to do the joint to a turn. In heating we are also promised radical changes, and prospects are held out of rooms without gas, coal, or oil heaters, where the contact of two wires to the statue or the mantel ornament will supersede the time-honored heating-agents of to-day. The cooking and heating appliances have not yet reached the marketable stage, but it is promised that their manufacture will be begun within a month or two at the works which the new company are to acquire near London.

MAKING BATHROOMS ATTRACTIVE.

No matter how small a bathroom may be it can always be made fresh, dainty and comfortable, if properly fitted up with the many labor-saving appliances that are now obtainable. It is well to have the walls and floor match if possible. Should tiles or hardwood be too expensive, there are many attractive designs in tile paper that look well on the walls, and by treating the floor with linoleum in a corresponding design, a charming effect is produced Many of the tubs are of porcelain, but if this is not the case, they can be made to resemble porcelain by painting them white. In front of a tub nothing is prettier than the fresh-looking white bath mat. Sponges can be kept sweet and clean by placing them in open racks suspended over the tub. These racks come in nickel, and are most desirable, but those made of the twisted wire answer the purpose exactly as well and are less expensive. They are pretty when enameled to match the tub or the prevailing tone of the room.

Two or three shelves placed conveniently near at hand are not too many, and when enameled with white they give an air of freshness to the room. The china mugs, toothbrush holders, soap dishes, etc., are more dainty than those of silver and much easier to keep clean. Of course there is almost an unlimited number of bathroom conveniences, says a writer in The Commercial Record, but with a few dollars and a small outlay of thought bathrooms can be made much more attractive and convenient than they are generally.

A second dividend of 7 per cent. has been declared in the estate of the late Wallace Prehaunt, general merchant, etc., L'Ardoise, N.S.

"BATHS": A CATALOGUE.

The Toronto Steel-Clad Bath and Metal Co., Limited, are distributing to the trade a well-illustrated catalogue of the "Duplex" steel-clad and all-steel baths which they are now making. This firm is making a new portable bath, the "Enameline," this year. It is fitted with a bent coupling, which can be turned in any direction, to which can be attached a hose or pipe to drain off the water. The value of this feature will be readily recognized by all who have any experience with portable baths. Another bath which is receiving special attention this year is the "Eureka," a wooden case, lined inside with coppered steel, the copper being deposited directly on the sheet steel by an electrolytic process. This bath is made in the same shape and has nearly all the good points of the "Duplex," yet sells for $12.50. These catalogues can be had on application to The Toronto Steel-Clad Bath and Metal Co., Limited, 114 and 116 Richmond street east, Toronto.

PLUMBING AND HEATING NOTES.

John Moffat, a Fergus, Ont., builder is dead.

The citizens of Vancouver have carried a by-law to expend $150,000 on improving the sewage system.

H. J. Fuller, manager for The Fairbanks Co., Montreal, has left for Philadelphia to attend the National Tool Exhibition, where they will have a large display.

A copartnership has been registered in regard to the firm of Bayer & Co., plumbers, Halifax, Isabella C. Bayer only, the latter's husband having registered consent to do business in her own name.

PLUMBING AND HEATING CONTRACTS.

Lessard & Harris, Montreal, have secured the contract for plumbing, heating and ventilating the school of Pere Oblat, Montreal.

PRESENTATION TO MR. WIGHT.

Mr. Norman Wight, who was, until lately, secretary of the Consumers Cordage Company, Limited, was presented on Friday with a handsome gold watch by a few of his friends in the cordage and twine trade. The address accompanying the gift expressed regret at the loss they felt in Mr. Wright severing his connection with the business, and wished him every success in his new line of business, that of grain, in the firm of Wight & Esdaile, of which his brother, Mr. R. E. Wight, is a member.

SEALED TENDERS, addressed to the undersigned and endorsed "Tender for Cacouna Wharf," will be received at this office until Wednesday, 20th September next, for the construction of an extension to the wharf at Cacouna, Temiscouata County, Que., according to a plan and a specification to be seen at the Public Works Office, Post Office Building, Quebec, on application to the postmaster at Cacouna, Que., and at the Department of Public Works, Ottawa.

Tenders will not be considered unless made on the form supplied, and signed with the actual signatures of the tenderers.

An accepted bank cheque, payable to the order of the Minister of Public Works, for eight hundred dollars ($800.00), must accompany each tender. The cheque will be forfeited if the party decline the contract or fail to complete the work contracted for, and will be returned in case of non-acceptance of tender.

The Department does not bind itself to accept the lowest or any tender.

By order,
E. F. E. ROY,
Secretary.

Department of Public Works,
Ottawa, 25th August, 1899.

Newspapers inserting this advertisement without authority from the Department will not be paid for it. (37)

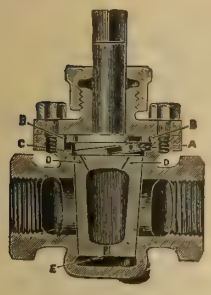


Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon



A perfect

Blow-off Cock

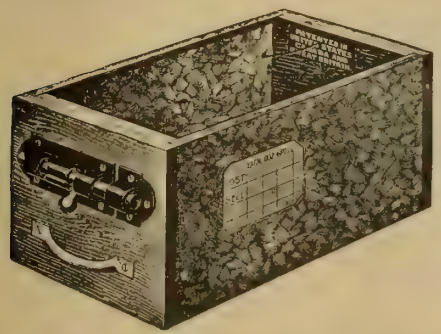
is found in the

Homestead Patent

Has Balanced Plug.
Always Works Easy.
Does Not Leak.

The James Morrison Brass Mfg Co. LIMITED TORONTO.

BENNETT'S PATENT SHELF BOX.



The best on the market, take up least room, are light, strong, and unbreakable. Thousands in use in United States, where they are known as Heller's Steel Shelf Box. Write for list and prices to the patentee and manufacturer,

J. S. Bennett, 20 Sheridan Ave., Toronto.

N.B.—Will be made to fit your present shelving.

SEND for specimen copy of Phillips' Monthly Machinery Register, containing over 5,000 entries of new and second-hand machinery of every description. The oldest established and most successful medium in the world. Established 25 years for the purpose of introducing those who have machinery for sale, to those who wish to buy, has a circulation of about 50,000 copies per annum, all over the world, and is used for continual reference by a large number of firms. It is consequently a most valuable advertising medium for all engineers and manufacturers. Subscription, 6s. per annum, price per copy, 6d. Sole Proprietor, CHAS. D. PHILLIPS, M.I M.E., Newport, Mon., England. Telegraphic address: "Machinery, Newport, Mon."

The Syracuse Smelting Works

ARE MANUFACTURERS OF

Plumbers' and Tinsmiths' Solder

of highest quality. Highest market prices paid for old Brass and Copper.

SYRACUSE SMELTING WORKS

MONTREAL.

FOR YOUNG CANADIANS.

Don't wait until the iron's hot,
But make it hot by muscle.
Don't wait for the wealth your father's got,
Take off your coat and hustle.

What a year 1900 is to be! What a time for the young Canadian hustler—the rapid stenographer, the expert bookkeeper and the nimble telegrapher! They will all be wanted just as surely as that bright year is coming around. A start now will put you with the successful ones, and we can start you aright. Will you send us your name and let us tell you how? It is no trouble to us, and will benefit you.

W. H. SHAW, Prin. CENTRAL BUSINESS COLLEGE, Toronto, Ont.

HARRINGTON & RICHARDSON ARMS CO.

WORCESTER, MASS., U. S. A.



Makers of

High Grade ## REVOLVERS

SEND FOR COMPLETE CATALOGUE.

For sale by Sporting Goods and Hardware Stores almost everywhere.



FIBRE ELECTRIC

No. 98.

This is the second season this Oil Heater has been upon the market. It met with unusual success last season, and is, without a doubt, one of the handsomest Oil Heaters offered.

BRIEFLY DESCRIBED.

The **Base** is made from **Indurated Fibre**, which takes an elegant finish, is **light, tough**, and will **spring** and **bend** without breaking. The **Jacket** is **polished brass**, and the **Jacket Ring, Main** and **Urn Tops** are stamped **sheet steel**, highly polished and nickel plated.

The **Tank** and **Burner** is constructed entirely of **brass**, and can be **readily removed** from the stove for Trimming the wick, cleaning, filling, etc. The **Wick Raiser** is strong and positive in its action and cannot get out of order.

This Heater will operate positively **without smoke or odor**, as our burner is so adjusted that the flame **will not run up**, and should the wick be turned so high as to cause it to smoke, the flame will immediately recede to the proper point of combustion.

Water Reservoir in the Burner; the evaporation of the water creating a mild and healthful atmosphere in the room.

Ten-inch Circular Wick. Heating capacity, 1,500 to 2,000 cubic feet in cold weather. Height of stove, 38 in. Diameter of Base, 18 in. Weight, crated, 20 lbs

A WINNER. **Handsome Base.** **Deep Red Color.**

THE COPP BROTHERS CO., Limited, HAMILTON

Toronto Foundry Co.

Manufacturers of SOIL PIPE, FITTINGS, SINKS, BOILER STANDS.

Nos. 146-148-150 Niagara Street, TORONTO

The only Exclusive Manufacturers of Soil Pipe and Soil Pipe Fittings in Canada. . . . . .

All goods stamped T. F. Co. are warranted.

A FOOLISH TRAVELER.

"I HAD a post office money order on a little town out West," said the New York drummer—"one which I got through Chicago—and when I showed up to get it cashed I was dead broke, and found the post office in charge of a girl about 20 years old. She was chewing gum and reading a novel as I walked into the place, and, as she was slow in getting a move on her and I was in a deuce of a hurry, I gave her some pretty sharp talk. She sassed me back, and we had some lively words for about five minutes. I never did a more foolish thing in my life. You know what a post office money order is, of course. It makes a man mad all over to waste the time to get one, and when you present it at another post office, you must satisfy the authorities that you are the person named. I signed my name and all that, but the girl quietly remarked :

"'I don't know that you are the person named. You will have to be identified.'

"I had letters in my pocket, of course," continued the drummer, "but she waved them aside. Anyone can carry letters around addressed to their proper name. I had my initial on my cuffs and collars, but they were no good. I had telegrams, but she was obdurate. As a matter of fact, she bothered me a whole day, and when the office closed I was still without my money. The order called for $50 and I went to every merchant in town to get the money and transfer it. Nobody would let me have the cash. There was but one way to do, and I did it. I walked into the post office next day and said :

"'My name is John Blank. Here is an order calling for $50. Yesterday I was fool enough to snub you. To-day I beg your pardon.'

"Two minutes later I had my money and was out on the sidewalk, and you can bet your shoes I don't get caught that way again. When I feel like snubbing another girl I'll tackle one who isn't employed by Uncle Sam in a position where she can hold me and set me to looking around for a pawnshop."—Chicago News.

INFORMATION WANTED.

The following inquiries were received at the Government Offices, London, during the week ending August 12th :

A Copenhagen (Denmark) firm wish to be placed in communication with Canadian houses desiring business there, who require the services of a general agent.

A Boulogne (France) firm, who do a large trade in apples, are asking for the names of Canadian shippers.

HARDWARE AND METAL will be pleased to forward to the firms inquiring any information its readers may be able to supply.

We Want Your Axe Order FOR FALL SHIPMENT.

Kindly hold it till our representatives call on you.

James Warnock & Co., - Galt, Ont.

COW TIES

Greening's Patent

We make the following :

Open Ring, six sizes.
Small Closed Ring, six sizes.
Large Closed Ring, six sizes.
Three Chain, six sizes.
Greening's Special Tie with Stall Fixtures, five sizes.

Our ties have stood the test for years and are undoubtedly the best in the market. Send for new price list. For sale by all jobbers.

The B. GREENING WIRE CO., Limited

HAMILTON and MONTREAL.



Geo. D. Wood & Co.

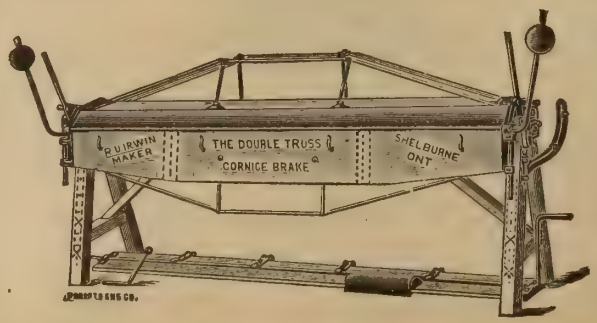
WINNIPEG, MAN.

Importers of and Dealers in

SHELF AND HEAVY HARDWARE, PAINTS, OIL, GLASS, PUMPS, ETC.

Stock now **complete** in seasonable lines. **Prompt** shipment.

Letter orders receive **special** attention.



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

Price, $50

Very handy header attachment, $10 extra, if required.

Send for circulars and testimonials to

The Double Truss Cornice Brake Co. SHELBURNE, ONT.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, **Montreal.**

Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates, Galvanized Sheets, Imitation Russia Sheets Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.



VanTuyl & Fairbank

Petrolia, Ont.

Headquarters for . .

Oil and Artesian Well Pumps, Casing, Tubing Fittings, Drilling Tools, Tables, etc.

R. C. LEVESCONTE

Barrister, Solicitor, Notary, Etc.

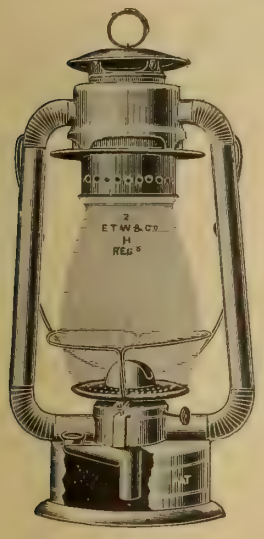
THE MCKINNON BUILDING
Cor. Jordan and Melinda Streets

. . . TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.

No. 3 Patent Well.

"Oil wont spill if upset."



Manufactured by

E. T. WRIGHT & CO.

Hamilton, Canada.

Send for New Catalogue.

TRADE MARK J REGISTERED

"JARDINE" TIRE UPSETTERS WILL UPSET TIRES

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.
HESPELER, ONT.

CAPITAL CITY BUSINESS COLLEGE.

A. M. Grimes, M.A., Principal.

Shorthand, Bookkeeping, Penmanship, Telegraphy, Business Correspondence and Proofreading. Pitman's or Munson's Shorthand, per month, $4.00. White's Phonography, per month, $8.00. Telegraphy, per month, $8.00. Bookkeeping and Business Practice, per course, $35.00. Bookkeeping and Business Practice, per month $5.00. Penmanship, per month, $3.00. Night School, per month, $3.00. Private Lessons, each, $1.00. Address, A. M GRIMES, Principal, Cor. Bank and Sparks Sts., Ottawa

ARE YOU A BUYER of

Hardware, Metals, Paints, Oils, etc. ?

Send us Post Card, and a copy of the latest issue of HARDWARE AND METAL, the leading authority on these trades, will be sent to you free by next mail. Address :

The MacLEAN PUBLISHING CO., Limited

Board of Trade, MONTREAL.
26 Front St. West, TORONTO.
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BUSINESS NEWS

of any kind that is of value to business men supplied by our Bureau. We can give you market quotations from any town in Canada, reports from the city markets, stock quotations, etc. You can get commercial news from any Canadian paper through us.

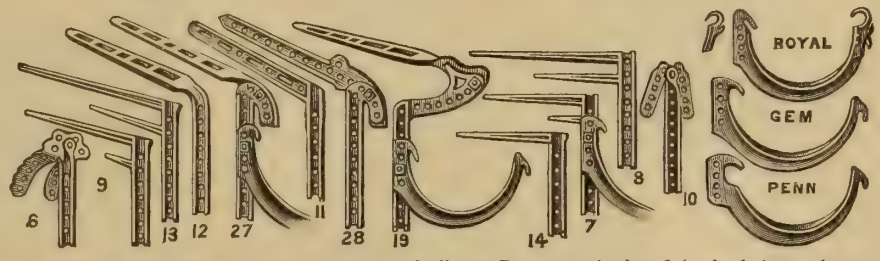
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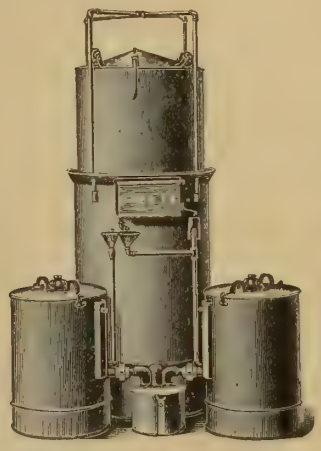
BERGER'S GUTTER HANGERS



The very best made. Strong and easy to put up and adjust. By proper selection of the shank the requirements for any style eave will be met. Other kinds of Hangers, Pipe Hooks and Fasteners, Gutter and Pipe, and a general line of

Tinners' Hardware and Roofers' Supplies.

BERGER BROS. CO., - - - - - - - PHILADELPHIA, U.S.A.



The "SAFETY"

ACETYLENE GAS MACHINE

manufactured by

The Safety Light & Heat Co.
DUNDAS, ONT.

What some of our friends say of us :

Dear Sirs,—The 10-light Safety Acetylene Gas Machine purchased from your Mr. Sparling has been in use in the office, composing and press rooms of the Vernon News since the beginning of the year, and it is giving excellent satisfaction. The light is clear, strong and much easier on the eyes than other forms of artificial light, and is admirably adapted for our purpose. The machine is easily operated and requires little attention. The automatic device for removing the ash from the carbide works to perfection. We find that there is no overgeneration of gas and consequently no waste. The ash is always dry when removed. Considering the volume of light we find it more economical than coal oil, and we can confidently recommend the Safety generator as a very excellent machine,

THE VERNON NEWS PUBLISHING CO, Vernon, B.C.

HUTCHISON, SHURLY & DERRETT

DOVERCOURT TWINE MILLS.

1078 BLOOR STREET WEST, TORONTO.

Having equipped our Factory with entirely new machinery, we are prepared to furnish the best made goods in the market at closest prices and make prompt shipments.

Hand Laid Cotton Rope and Clothes Lines,
Cotton and Russian Hemp Plough Lines, plain and colored.
Cotton and Linen Fish Lines, laid and braided.
Netted Hammocks, white and colored, Tennis and Fly Nets.
Skipping Ropes, Jute, Hemp and Flax Twines.

CORPORATE MARK

JOSEPH RODGERS & SONS, Limited.

MANUFACTURERS OF

Pocket and Table Cutlery, Scissors, Razors, Erasers, Etc.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for Canada,

JAMES HUTTON & CO., - - Montreal

CURRENT MARKET QUOTATIONS.

Sept. 8, 1899.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—	
56 and 28 lb. ingots, per lb.	0 37
Straits	0 37

Tinplates.

Charcoal Plates—Bright.

	Per box
M.L.S., equal to Bradley.	
I.C., usual sizes	$6 50
I.X., "	7 75
I.X.X., "	9 00
J. R. & Co.—	
I.C	6 00
I.X	7 25
I.X.X	8 50
Famous—	
I.C.	6 25
I.X.	7 50
I.X.X	8 75
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	5 75
I.X.X. "	6 50
I.XXX., "	7 25
D.C., 12½x17	4 50
D.X	5 25
D.X.X	7 25

Coke Plates—Bright.

Bessemer Steel—	
I.C., usual sizes	4 35
I.C., special sizes, base	4 50
20x28	8 75

Charcoal Plates—Terne.

Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 00
I.X., Terne Tin	9 25

Charcoal Tin Boiler Plates.

	Per lb.
Cookley Grade—	
X X., 14x56, 50 sheet bxs	0 07
" 14x60 "	0 07
" 14x65, "	0 07½

Tinned Sheets.

72x30 up to 24 gauge	0 07½	0 08
" 26 "	0 08	0 08½
" 28 "	0 08½	0 09

Iron and Steel.

	Base	Price
Common Bar, per 100 lbs		2 15
Refined " "		2 65
Horse Shoe		2 40
Hoop steel, 1½ to 3 in. base, extras for smaller sizes		2 75
Swedish " "	4 00	4 25
Sleigh Shoe Steel " base		
Tire Steel		
Machinery		2 65
Cast Steel, per lb	0 10	0 14
Toe Calk Steel		
Thos. Firth & Sons' Cast Steel	0 12	0 14
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker.	2 00	2 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1¼-inch	0 11
2 "	0 12
2½ "	0 14
"	

Steel Boiler Plate.

¼ inch	3 25
3-16 inch	3 40
⅜ inch and thicker	3 25

Black Sheets.

18 gauge	2 75
20 "	2 75
22 to 24 "	2 90
26 "	3 0
28 "	3 25

Canada Plates.

All dull, 52 sheets	2 75
Half polished	2 85
All bright	3 20

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ⅜ inch, $3 35 ; ½ inch, $3.40 ; ¾ inch, $4.00; 1 inch, $5.50; 1¼ inch, $7.35 ; 1½ inch, $9.25; 2 inch, $12.50. 2½ to 6 inch, discount 45 p.c.

Galvanized, ⅜ inch, $6.00: ½ inch, $6.30 ; ¾ inch, $8.00 1 inch, $11.00 ; 1¼ inch, $15.25 ; 1½ inch, $19.00 ; 2 inch, $27.00.

Galvanized Iron.

	G C. Comet.	Amer.	Queen's Head
16 gauge			4 25
18 to 24 gauge	4 50		4 50
26 "	4 75		4 75
28 "	5 00		5 00

Less than case lots, 25c. per 100 lb. additional.

Chain.

Proof Coil, 3-16 in., per 100 lbs	6 75
" ¼ " "	4 75
" 5-16 " "	4 30
" ⅜ " "	4 15
" 7-16 " "	3 05
" ½ " "	3 85
" ⅝ " "	3 75
" ¾ " "	5 90
Trace, per doz. pairs	3 60
Jack chain, iron, single, per doz. yards	0 13 0 50
Jack chain, double, per doz. yards	0 15
Jack chain, brass, single, per doz. yards	20 10

Copper.

Ingot.

English B. S., ton lots	0 20	0 21
Lake Superior		

Bolt or Bar.

Cut lengths, round, ½ to ⅞ in.	0 23½	0 25
" round and square 1 to 2 inches	0 23½	0 25

Sheet.

Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 23	0 23½
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 23	0 23½

NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.

Tinned copper sheets		0 26
Planished		0 32

Brazers. (In sheets.)

4x6 ft. 25 to 30 lbs. ea., per lb.		0 25½
" 35 to 45 " "		0 24½
" 50-lb. and above, "		0 23½

Boiler and T. K. Pitts.

Plain Tinned, per lb		0 28
Spun, per lb		0 32

Brass.

Roll and Sheet, 14 to 30 gauge, 5 per cent.

Sheets, hard-rolled, 2x4	0 24	0 25
Tubing, base, per lb	0 24	0 25

Zinc Spelter

Foreign, per lb	0 07½	0 07¼
Domestic "		

Zinc Sheet.

5 cwt. casks		0 08¼
Part casks		0 08½

Lead.

Imported Pig, per lb	0 04½	0 04¾
Domestic, per lb		
Bar, 1 lb		05¼
Sheets, 2½ lbs. sq. ft., by roll.	0 05	05¼
Sheets. 3 to 6 lbs., per sq. ft., by roll	0 04¾	0 05

NOTE.—Cut sheets ½ cent per lb. extra

Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 20 per cent. discount

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths, lists at 7½ cents.

Shot.

Ordinary, drop, $4.75 per 100 lb. ; chilled, $5.15 per 100 lb. F.O.B. Toronto ; terms 3 per cent. cash, freights equalized on Montreal.

Soil Pipe.

Discount, 50 and 10 per cent.

Solder.

	Per lb.	Per lb.
Bar half-and-half	0 21	0 22
Refined	0 20	0 21
Wiping	0 18	0 19

NOTE.—Prices of this graded according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 11	0 11½

White Lead.

	Per cwt.
Pure, Assoc. guarantee, ground in oil, 25 lb. irons	6 12½
No. 1 do	5 75
No. 2 do	5 37½
No. 3 do	5 00
No. 4 do	4 62½
Robertson's Chemically Pure	6 12½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B. B. Genuine	8 12½
" No. 1	7 25
James' genuine	7 20
" " No. 1	6 75

White Zinc Paint.

Elephant Snow White	0 08	0 09
Pure Whiie Zinc	0 08	0 09
No. 1	0 06	0 07½
No. 2	0 05	0 06½

Dry White Lead.

Pure, casks	0 05½
Pure, kegs	0 05⅝
No. 1, casks	0 04⅞
No. 1, kegs	0 05⅛

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)

Pure, per gallon	1 00	1 10
Second qualities, per gallon	0 90	0 95
Barn (in bbls.)	0 70	0 90
The Sherwin-Williams Paints		1 30
Canada Paint Co's Pure	1 10	1 20
Robertson's Pure	1 00	1 10
Sanderson Pearcy's Pure	1 00	1 10
Toronto Paint and Color Co.'s Pure	1 10	1 20

Colors in Oil.

(25 lb. tins, Standard Quality.)

Venetian Red, per lb	0 05
Chrome Yellow	0 11
Golden Ochre	0 06
French "	0 05
Marine Black	0 09
" Green	0 09
Chrome "	0 08
French Imperial Green	0 19

Colors, Dry.

Yellow Ochre (J. C.) bbls. per cwt	1 35	1 40
Yellow Ochre (J.F.L.S.), bbls. per cwt		2 75
Yellow Ochre (Royal), per cwt	1 10	1 15
Brussels Ochre		2 00
Venetian Red (best). per cwt.	1 80	1 90
English Oxides, per cwt.	3 00	3 25
American Oxides, per cwt	1 75	2 00
Canadian Oxides, per cwt.	1 75	2 00
Super Magnetic Oxides, 93 p c.	2 00	2 25
Burnt Sienna, pure, per lb.		0 10
" Umber, " "		0 10
do aw		0 09
Drop Black, pure		0 09
Chrome Yellows, pure		0 18
Chrome Greens, pure, per lb.		0 12
Golden Ochre		0 03¾
Ultra marine Blue in 28-lb boxes, per lb	0 08	0 24
Fire Proof Mineral, per 100 lb.		1 00
Genuine Eng. Litharge, per lb		0 07
Mortar Color, per 100 lb.		1 25
James' Gen. Red Lead, 100 lb		0 04⅞
Pure Indian Red, No. 45, lb.		0 08
Whiting, per 100 lb.		0 55

Paris Green.

250 lb. casks	0 13½
50 lb. drums	0 14
1 lb. packages	0 15
½ lb. "	0 16½
1-lb. tins	0 15½

Sulphate of Copper.

Casks, for spraying, per lb.	0 07
100-lb. lots, do. per lb.	0 08

Putty.

Bladders in bbls.	1 80
Bladders in 100 or 200 lb. kegs or bxs	1 95
Bulk in bbls., per 100	1 65
Bulk in less quantities	1 80
25-lb. tins, 4 in case	2 05
12½-lb. tins, 8 in case	2 30

Quotations f.o.b. Toronto—10c. per 100 lbs. extra Hamilton, London, Guelph. For quantities less than 100-lbs., 2½c. per lb.

Varnishes.

(In 5-gal. lots.).

	Per gal.	
Carriage, No. 1	1 30	1 40
Extra do.	1 50	1 60
Body Varnish	3 40	3 50
Furniture Varnish	0 50	0 60
Extra do.	1 00	1 10
Demar Varnish		1 50
Hard Oil Finish	1 30	1 35
Orange Shellac Varnish	2 00	2 10
White Shellac	2 20	2 25
Rubbing Varnish		2 00
Brown Japan		0 75
Elastic Oak	1 20	1 30

Linseed Oil.

Raw, per gal. net		0 57
Boiled, per gal. net		0 60

Outside points 1c. more than above figures

Turpentine.

1 to 4 barrels, net	0 72

Outside points 1c. more

Castor Oil.

In cases, per lb	0 09
Small lots	0 10

Cod Oil, Etc.

Cod Oil, per gal.	0 50	0 55
Pure Olive		1 20
" Neatsfoot		90

Glue.

(In bbls.)

Common	0 08½	0 09
French Medal	0 12	0 12½
Cabinet, sheet	0 11	0 12
White, extra	0 16	0 18
Gelatine	0 22	0 30
Strip	0 16	0 18
Coopers	0 19	0 20
A1 clear		0 09

HARDWARE.

Ammunition.

Cartridges.

B. B. Caps. Dom., 50 and 5 per cent.
Rim Fire Pistol, dis. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18 p.c. Amer.



Dodge

Standard Wood Split Pulleys

ARE USED BY EVERY MILL AND FACTORY IN CANADA.

Live hardware houses keep our catalogue and discount sheet at hand, and display our handsome hanger.

Ours is the largest and most complete Pulley Works in the Dominion.

DODGE MANUFACTURING CO.

of Toronto, Limited **TORONTO, ONT.**

WORKS : Toronto Junction. CITY OFFICES : 74 York St.

Central Fire Cartridges, pistol sizes, Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.
Brass shot Shells, 55 and 10 per cent.
Primers, Dom., 80 per cent.

Wads.

	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb bags	0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 100 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	

Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 33⅓ per cent.

Anvils.

Per lb	0 10	0 12½
Anvil and Vice combined each		4 50
Wilkinson & Co's Anvils lb.	0 09	0 09½
Wilkinson & Co's Vices..lb.	0 09¾	0 10

Augers.

Gilmour's, discount 50 and 10 p.c. off revised list.
Hollow, Stearn's, per dozen.. 13 00 20 00
Adjustable, Stearns, each.. 4 50 6 50
Post-hole, Vaughan's, each.. 60 90

AXES.

Chopping Axes—
Single List, per doz..... 8 00 12 00
Double List, " 11 00 18 00
Beacon Axes, 40 and 15 p c.
Broad Axe, 35⅓ per cent.
Hunters' Axes 5 50 6 00
Boy's Axes 5 75 6 75

Bath Tubs.

Zinc 3 90 4 00
Copper, discount 40 and 10 p.c. off revised list
Steel clad, 20 per cent. discount off revised list. Boxing extra.

Anti-Friction Metal.

"Tandem" A..... per lb. 0 23
" B..... " 0 19
" C..... " 0 11½
Magnolia Anti-Friction Metal, per lb. 0 25
F.O.B. New York or Chicago.

Bells.

Hand.
Brass, 60 per cent.
Nickel, 55 per cent.
Door.
Gongs, Sargant's..... 5 50 8 00
" Peterboro', discount 50 per cent.
Cow.
American make, discount 66⅔ per cent.
Canadian, discount 5 and 50 per cent.
Farm.
American, each..... 1 25 3 00
House.
American, per lb..... 0 35 0 40

Bellows.

Hand, per doz..... 3 35 4 75
Moulders', per doz..... 7 50 10 00
Blacksmiths', discount 60 per cent.

Belting.

Extra, 50 per cent.
Standard, 50 and 10 to 50, 10 and 5 per cent.
Agricultural, 60 and 10 p.c.

Bits.

Auger.
Gilmour's, discount 50 and 10 per cent.
Rockford, Common, 70 to 70 and 10 per cent.
" Perfection, 50 and 10 per cent.
Jennings' Gen., net list.
Car.
Gilmour's, 47½ to 50 per cent.
Expansive.
Clark's, 40 per cent.
Gimlet.

Clark's, per doz	0 65	0 90
Diamond, Shed, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind Rollers.

Annex, per doz	1 25	1 75
Mascott, "	1 35	1 85
Erminie, "	1 00	0 00

Blind and Bed Staples.

All sizes, per lb 0 07¾ 0 12

Bolts and Nuts.

	Per cent.
Norway Bolts, full square	65
Common Carriage Bolts, 5-16 & under	55
" " " ⅜ and larger.	50
" " " full square	65
Machine Bolts, all sizes	55
Coach Screws	67½
Sleigh shoe Bolts	72½
Blank Bolts	55
Bolt Ends	62½
Nuts, square	3¾c.
Nuts, hexagon	4¼c.
Tapping Nuts	60
Tire Bolts	60 and 10
Stove Bolts	60 and 10
Stove rods, per lb	5½ to 6c.

Boot Calks.

Small and medium, per M 4 50
Small heel, per M. 4 25

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis 37½ per cent.
Henis No. 8, " 6 00
Henis, No. 9, " 7 00
Queen City " 7 50 0 00

Butchers' Cleavers.

German, per doz 6 00 11 00
American, per doz 12 00 20 00

Building Paper, Etc.

Plain building, per roll 0 28
Tarred lining, per roll 0 35
Tarred roofing, per 100 lb 1 40
Coal Tar, per barrel 3 75
Pitch, per 100 lb 0 60
Carpet felt, per 100 lb 2 25

Bull Rings.

Copper, $2.50 for 2½ in. and $2 for 2 in.

Butts.

Brass.
Wrought Brass, net revised list.
Cast Iron.
Loose Pin, dis., 6 per cent.
Wrought Steel.
Fast Joint, dis. 60 and 10 per cent.
Loose Pin, dis 60 and 10 per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.
Gen. Bronzed, per pair 0 40 0 65

Cards.

Horse, per doz 0 60 1 00

Carpet Sweepers.

Bissell, per doz		22 50
World, "		2 75
Daisy, "		24 00
Star, "		18 00
Crown Jewel, per doz		29 00
Grand Rapids, "	24 00	35 00

Carpet Stretchers.

American, per doz 1 00 1 50
Bullard's, per doz ..... 6 50 ....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross 8 50 9 50

Cement.

Canadian Portland	2 65	2 90
English "	....	3 00
Belgian "	....	2 70
Canadian hydraulic	1 00	1 10

Figures are for barrel lots.

Chalk.

Carpenters, Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.
Broad's, dis. 60 and 5 per cent.
Warnock's, dis. 60 per cent.

Churns.

Revolving Churns, metal frames—No. 0, $3—No. 1, $3.2 — No. 2, $3.4 —No. 3, $3.75—No. 4, $4.50—No. 5, $5.90 each. Ditto, wood frames—15c. each less than above. Terms 1 month or 3 p.c. off 30 days, f.o.b.

Cinder Sifters.

Per doz 1 25

Clips.

Axle dis. 65 per cent.

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent. rev. list.

Cradles, Grain.

Canadian, dis. 20 per cent. from factory.

Dies.

Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. per cent.

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Broad's dis 75 per cent.
Warnock's, dis. 50 and 10 per cent.

Drills.

Hand and Breast.
Millar's Falls, per doz. net list.
DRILL BITS.
Morse, dis 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.

EARTHENWARE.

Closets, washout, plain	4 50
" embossed	4 75
Closet connection	1 25
Basins, round 14 in	0 45
" oval, 17 x 14 in	1 55
" " 19 x 15 in	2 30

ELBOWS.

Stovepipe.

Per doz	0 85	1 70

ESCUTCHEON PINS.

Iron, discount 40 per cent
FACTORY MILK CANS.
Discount off revised list, 40 per cent.
FILES.
Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Jowitt's, English list, 25 to 27½ per cent
Mechanics' Star & File Mfg. Co. Discount 60 and 10 to 70 per cent.
FORKS.
Hay, manure, etc., dis., 60 and 10 to 60 and 5 p.c. revised list.
FREEZERS
Ice Cream,

White Mountain, 1 to 20 qt	1 35	13 50
Arctic, dis. 50 p.c.		

FRY PANS.
Acme, dis. 65 to 67½ per cent.

FRUIT PRESSES.

Henis', per doz	3 25	3 50

Shepard's Queen City, dis. 15 per cent.

GAUGES.
Marking, Mortise, Etc.
Stanley's dis. 50 to 55 per cent.
Wire Gauges.
Winn's, Nos. 26 to 33, each... 1 65 2 40

GLASS.
Window.
Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	Double Diamond Per 50 ft.	Double Diamond Per 100 ft
Under 26	2 10	4 00	3 50	6 00
26 to 40	2 30	4 35	3 75	6 65
41 to 50	...	4 75	....	7 25
51 to 60	....	5 00	...	8 50
61 to 70	....	5 35	....	9 25
71 to 80	....	5 75	....	10 50
81 to 85	....	6 50	....	11 75
86 to 90	....	7 25	....	14 00
91 to 95	....	....	....	15 50
96 to 100	....	....	....	18 00
101 to 105	....	....	....	21 00
106 to 110	....	....	....	24 00
111 to 115	....	....	....	28 00

16 x 16 10 per cent. off.

HALTERS.

Rope, ⅜ per gross	8 25	8 55
" ½ "	9 25	6 50
" ⅝ "	11 00	11 20
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail
Maydole's, dis 5 to 10 per cent. Can. dis. 25 to 27½ per cent.
Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz., net	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pair	0 40	2 50

Fork
C. & B., dis. 45 per cent. rev. list.
Hoe.
C. & B., dis. 45 per cent. rev. list.
Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.
Canadian, 45 per cent.
Cross-Cut Saws.

Canadian, per pair	0 13¾	0 20

HANGERS.

Door, 4 and 5 inch, per pair	0 40	0 50

Lane's, 6.½ per cent.

HARVEST TOOLS.

Discount, 60, 10, and 5 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent.

HINGES.

Blind, Parker's, dis. 60 and 10 to 65 per cent.
" Shepard & Noiseless, dis. 60 per cent.
" " Buffalo, dis. 60 to 70 p. c.

Heavy T and strap, 4-in., per lb		0 06
" " 5-in., "		0 05¾
" " 6-in., "		0 05½
" " 8-in., "		0 05¼
" " 10-in., "		0 05
Screw hook and hinge—		
6 to 12 in., per 100 lbs		3 75
14 in. up, per 100 lbs		3 00
		Per gro. pair
Spring		8 50

HOES.

Garden, Mortar, etc., dis 60, 10 and 5 p.c.		
Planter, per doz	4 00	4 50

HOOKS.

Cast Iron.

Bird Cage, per doz	0 50	1 10
Clothes Line, per doz	0 27	0 63
Harness, per doz	0 72	0 88
Hat and Coat, per gross	1 00	3 00
Chandelier, per doz	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.

Hat and Coat, discount 60 per cent.
Belt, per 1,000 ... 0 60 0 70
Screw, bright, dis. 65 and 10 per cent.

HORSE NAILS.

"C" brand 50 p.c. dis. } Oval head.
"M" brand 50 p.c. }

Acadian, 50 and 20 p.c., countersunk head.

HORSESHOES.

Iron Shoes.	F.O.B. Toronto. No 2 and larger.	No. 1. and smaller.
Light, medium, and heavy.	3 60	3 85
Snow shoes	3 85	4 10

Steel Shoes.

Light	4 00	4 25
Featherweight (all sizes)	5 25	5 25

JAPANNED WARE.

Discount, 50 per cent. off list, June, 1899.

ICE PICKS.

Star, per doz ... 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb ... 0 30 0 35
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 50 p.c.
Cabinet, trunk, and padlock, Am. per gross ... 60

KNOBS.

Door, japanned and N.P., per doz		1 00
Bronze, Berlin, per doz	2 75	3 25
Bronze Genuine, per doz	6 00	9 00
Shutter, porcelain, F. & L. screw, per gross	1 30	4 00

KNIVES.

Clauvs, bread, cake, and paring knives, $7 00 doz. sets net. to 10 per cent.
Christie, bread, cake and paring knives, $7 00 doz. sets, with 10 p.c. off.
Hay knives, spear point, L. or T handle, 60 10 and 5 per cent.
Lightning, per doz ... 6 50 8 40
Health's, $7.75 net.

LANTERNS.

Cold Blast, per doz	7 50
No. 1 "Wright's"	8 50
Ordinary with O burner	4 25
Dashboard, cold blast	9 50
No. 0.	6 00

Japanning, 50c. per doz. extra.

LEMON SQUEEZERS.

	per doz.	
Porcelain lined	2 20	5 60
Galvanized	1 87	3 85
King, wood	2 75	2 90
King, glass	4 00	4 50
All glass	1 20	1 30

LINES.

Fish, per gross	1 05	2 50
Chalk "	1 90	7 40

LOCKS

Canadian, dis. 45 p.c.

Russell & Erwin, per doz	2 00	2 20

Cabinet.

Eagle, dis. 30 p.c.

Padlock.

English and Am., per doz	50	6 00
Scandinavian. "	1 00	2 40

Eagle, dis. 15 to 17½ p.c.

MACHINE SCREWS.

Iron and Brass.

Flat head, discount 25 p.c.
Round Head, discount 20 p.c.

MALLETS.

Tinsmiths', per doz	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz.	3 85	5 00
Caulking, each	60	2 00

MATTOCKS.

Canadian, per doz	8 50	10 00

American, 60 and 10 p.c off list.

MEAT CUTTERS.

American, dis. 30 to 32½ p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

MINCE MEAT.

Wethey's Condensed, per gross, net	$11 00
" per case of 3 doz., net	2 75
Nicholson's, per gross	10 80
" per ¼ gross case	2 70

NAIL PULLERS.

German and American	1 85	3 50

NAIL SETS.

Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.

Poultry, 40 per cent. for McMullen's.

OIL.

Canada refined (Toronto)		0 13½
Sarnia Water White		0 15
" Prime White		0 14
American w. w.		0 16½
Pratt's Astral		0 18

Swedes, cut tacks, blued and tinned—
In bulk ... 80 and 12½
In dozens ... 75
Swedes, upholsterers', bulk ... 85
" brush, blued and tinned, bulk ... 50
" gimp, blued tinned & japanned 75
Zinc tacks ... 30
Leather carpet tacks ... 60

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz	0 00	11 00

Zinc and tin, dis. 50, 50 and 10.

Copper, per doz	1 25	3 50
Brass, "	1 50	3 50

Malleable, dis. 25 per cent.

PAILS.

	per doz.
Galvanized, straight pattern No. 12	2 00
Galvanized, straight pattern No. 14	2 25
Galvanized, straight pattern No. 16	2 55
Flaring pattern, No. 11	2 25
" " No. 12	2 50
" " No. 13	2 85
" " No. 14	3 30

PIECED WARE.

Discount, 45 per cent off list, June, 1899.

PICKS.

Per doz ... 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross	1 40	3 00
Brass head, "	0 40	1 00

PLANES.

Wood, bench, Canadian dis. 55 per cent. American dis. 55.
Wood, fancy Canadian or American, 37½ to 40 per cent.
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.
Miscellaneous, dis. 25 to 27½ per cent.
Bailey's Victor, 25 per cent

PLANE IRONS.

English, per doz	2 00	5 00

PLIERS AND NIPPERS.

Button's Genuine, per doz pairs, dis. 37½ 40 p.c.

Button's Imitation, per doz	5 00	9 00
German, per doz	0 60	2 60

PULLEYS.

Hothouse, per doz	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS

Canadian cistern	1 40	2 25
Canadian pitcher spout	1 15	2 00

PUNCHES.

Saddlers', per doz	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set	0 00	0 72
" hollow, per inch	0 00	1 00

RAKES.

Cast steel and malleable Canadian, list dis. 50 and 10 p.c revised list.
Wood, 25 per cent.

RASPS AND HORSE RASPS.

New Nicholson horse rasp, d scount 60 p.c.
Globe File Co.'s rasps, 60 and 10 to 70 p.c.
Heller's Horse rasps, 50 to 5u and 5 p.c.

RAZORS.

	per doz.	
Geo. Butler & Co.'s	8 00	18 00
Roker's	7 50	11 00
Wade & Butcher's	3 60	10 00
Theile & Quack's	7 00	12 00

REAPING HOOKS.

No. 2	$2 00
No. 3	2 05
No. 4	2 15
No. 5	2 20

RIVETS AND BURRS.

Carriage, Section, Wagon Box Rivets, etc. (Steel), 55 p.c.
Carriage, Section, Wagon Box Rivets, et (Norway Iron), 55 p.c.
Black M. Rivets (Steel), 45 p.c.
Black and Tinned Rivets, 55 p.c.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets & Burrs, 35 p.c. dis., and cartons, 1c. per lb. extra, net.
Extras on Tinned or Coppered Rivets in ½-lb. cartons, 1c. per lb.
Burrs, iron or steel, 40 per cent.
Terms, 4 mos. or 3 per cent. cash 30 days.

RIVET SETS.

Canadian, dis. 35 37½ per cent.

ROPE, ETC

	Sisal.	Manila.
7-16 in. and larger, per lb.	11½	14
⅜ in	12	14½
¼ and 5-16 in.	12½	15
Cotton		14
Russia Deep Sea		15½
Jute		8
Lath Yarn		9¾
New Zealand Rope		10½

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

Mrs. Potts, per set	0 70
" N. P., per set	0 85

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 2½ per cent.
Emery, 40 per cent.

SASH CORD.

Per lb	0 20	0 50

SASH WEIGHTS.

Sectional, per 100 lbs		3 25
Solid, "		1 50

SAWS.

Hand, Disston's, dis. 12½ to 15 p.c.
S. & D., 40 per cent.

Crosscut, Disston's, per ft	0 35	0 55

S. & D., dis. 35 p.c. on Nos. 2 and 3.

Hack, complete, each	0 75	2 75
" frame only		0 75

SAW SETS.

"Lincoln," per doz	5 50	6 00

SCALES

Gurney Scales, 45 p.c.
B. S. & M. Scales, 45 p.c.
Champion 55 per cent.
Fairbanks Standard, 45 p.c.
" Dominion, 60 p.c.
" Richelieu, 60 p.c.
Chatillon Spring Balances, 25 p.c.

SCREENS.

Door, patent per doz	6 00	12 00
Window, per doz	2 00	3 00

SCREW DRIVERS.

Sargent's, per doz	0 65	1 00

SCREWS

Wood, F. H., iron, and steel, 80 and 5 p.c.
Wood R. H., " dis. 75 and 5 p.c.
" F. H., brass, dis. 75 and 5 p.c.
Wood, R. H., " dis. 67½ and 5 p.c.
" F H, bronze, dis. 67½ and 5 p.c.
" R.H. " 62½ and 5 p.c.
Drive Screws, 82½ and 5 per cent.

Bench, wood, per doz	3 25	4 00
" iron, "	4 25	5 75

SCYTHES.

Discount, per doz. net	4 50	6 00

SCYTHE SNATHS.

Canadian, dis. 50 p.c.

SHEARS

Seymour's, dis. 50 and 10 p.c.
Heinisch, dis. 50 and 10 p.c.
Clauss, full nickel, 50 and 10 p.c.
" japanned handles, 67½ p.c. off.
Seymour or Heinisch tailor shears, 15 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SNAPS.

Harness, German, dis. 35 to 37½ p.c.		
Acme	3 00	5 00
Lock, Andrews'	4 50	11 50

SOLDER.

Bar, half-and-half	0 21¼	0 22
Refined	0 20½	0 21
Wiping		0 19½

NOTE.—Prices of this graded accord ng to quantity. The prices of other quan ities of solder in the market indicated by private brands vary according to composition.

SOLDERING IRONS.

1, 1½ lb., per lb	0 37
2 lb. or over, per lb	0 34

WROUGHT SPIKES.

Discount, 35 to 40 per cent.

SQUARES.

Iron, per doz	1 65	2 90

Steel, dis. 70 per cent., revised list.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE

Plain, dis., 75 and 12½ p.c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized	3 25
Bright	3 00

STOCKS AND DIES.

American dis. 25 p.c.

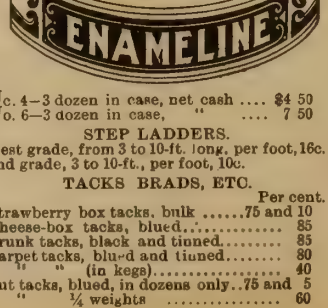
STONE.

	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 17
" slip,	0 09	0 09
Labrador		0 13
" Axe		0 15
Turkey		0 50
Arkansas	0 00	1 50
Wat-r-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, per ton	15 00	18 00

STOVE PIPES.

5 to 6 inch, per 100 lengths		6 75
7 inch, per 100 lengths		7 25

Stove Polish.



No. 4—3 dozen in case, net cash ... $4 50
No. 6—3 dozen in case, " ... 7 50

STEP LADDERS.

Best grade, from 3 to 10-ft. long, per foot, 16c.
2nd grade, 3 to 10-ft., per foot, 10c.

TACKS BRADS, ETC.

	Per cent.
Strawberry box tacks, bulk	75 and 10
Cheese-box tacks, blued	85
Trunk tacks, black and tinned	85
Carpet tacks, blued and tinned	80
" " (in kegs)	40
Cut tacks, blued, in dozens only	75 and 5
" ¼ weights	60
Copper tacks	50
Copper nails	52½
Trunk nails, black and tinned	70
Clout nails, blued and tinned	70
Chair nails	40
Cigar box nails	40
Patent brads	45
Fine finishing	45
Picture frame points	20
Lining tacks, in papers	10
" " in bulk	15
" " solid heads, in bulk, 75 and	12½
Saddle nails in papers	10
" " in bulk	15
Tufting buttons, 22 line, in dozens on	60
Tin capped trunk nails	15
Zinc glazier's points	5
Double pointed tacks, dozens	85
" " " bulk	40

TAPE LINES.

English, ass skin, per doz	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TINWARE.

Stamped, dis., Assn. list, 80 per cent.
Japanned, prices on application.
Pieced, prices on application.

TRANSOM LIFTERS.

Payson's per doz	2 60

TRAPS. (Steel.)

Game, Newhouse, dis. 40 p c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p c.

TROWELS.

Disston's, discount 10 per cent.		
German, per doz	4 75	6 00
Brade's "	5 00	10 50

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb		0 21
Wrapping, mottled, per pack.	0 50	0 60
Wrapping, cotton, per lb	0 17	0 18
Mattress, per lb	0 33	0 45
Staging, "	0 27	0 35
Broom, "	0 30	0 55

VISES.

Hand, per doz	4 00	6 00
Bench, parallel, each	2 00	4 50
Coach, each	6 00	7 00
Peter Wright's, per lb	0 12	0 13
Pipe, each	5 50	9 00
Saw, per doz	6 50	13 00

ENAMELLED WARE.

White Ware, discount 50 per cent.

WIRE.

Brass wire, 50 to 50 and 2½ per cent. off the list
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Smooth Steel Wire, base, $3.00 f.o.b. factory points List of extras: Nos. 2 to 5, advance 7c. per 100 lb.—Nos. 6 to 9 base—No. 10, advance 7c.—No. 11, 14c.—No. 12, 20c—No. 13, 35c—No. 14 47c.—No. 15, 60c.—No. 16, 75c. Extras net per 100 lb.: Coppered wire, 60c.—tinned wire, $2—oiling, 10c.—special hay-baling wire 30c.—spring wire, $1—best steel wire, 75c.—bright soft drawn, 15c in 50 and 100-lb. bundles net, 10c.—in 25-lb. bundles net, 15c. packed in casks or cases, 15c.—bagging or papering, 10c.
Fine Steel Wire, dis. 17½ per cent. factory. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No 21, $7—No. 22, $7.30—No. 23, $7.60—No. 24, $8—No. 25, $9—No. 26, $9.50—No. 27, $10—No. 28 $11—No 29, $12—No. 30, $13—No. 31, $14—No 32, $15 No. 33 $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25 $2—Nos. 26-31, $4—Nos 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.60—No. 9, $3.70—No 10, $3 70—No. 11, $3.75—No. 12, $3 20—No. 13, $3.45—No. 14, $4 10—No. 15, $4.70—No. 16. $4.85.
Broom Wire, per lb ... 0 05 0 05½
Clothes Line Wire, 19 gauge, per 1,000 feet ... 3 30

WIRE FENCING.

	F.O.B Toronto
Galvanized, 4 barb, 2¼ and 5 inches apart	3 25
Galvanized, 2 barb, 4 and 6 inches apart	3 25
Galvanized, plain twist	3 25

Terms, 2 per cent. in 10 days.

WIRE CLOTH.

Painted Screen, per 100 sq ft., net ... 1 75

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 70 to 70 and 10 p.c.
Standard, dis. 60, 60 and 10 per cent.
Coe's Genuine, dis. 30 to 32½ p.c.
Diamond dis 33⅓ to 35 per cent.

Towers' Engineer, each	2 00	7 00
" S., per doz	5 80	6 00
G. & K.'s Pipe, per doz		3 40
Burrell's Pipe, each		3 00
Pocket, per doz	0 25	2 90

WRINGERS.

Leader, per doz.	$60 00
Royal Canadian "	58 00
Royal American "	48 00

Discount, 45 per cent.; terms 4 months, or 3 p.c 30 days. Prices are f.o.b. London, Hamilton Toronto, Brockville or Montreal.

D. F. Jones Manufacturing Co. Limited, of Gananoque, Ont.

Established 1852.

Shovels
Spades
Draining Tools



Grain and Coal Scoops and Miners' Shovels

The only Canadian manufacturers of Plain Back Shovels and Spades **THAT ARE SOLID,** without weld, and graduated from socket to point, and from centre to sides, of blades.

All our goods have trade mark on the handle.

McLaskill, Dougall & Co
Fine Varnish & Japan
Manufacturers.
Montreal
Price Lists on application

"THE BEST IS CHEAPEST."

Buy McMullen's unequalled

Poultry Netting

—and—

Fencing.

Made by

The Ontario Wire Fencing Co.
Limited

PICTON, ONT.

For sale by The Canadian Hardware Jobbers; The B. Greening Wire Co., Hamilton and Montreal, General Agents, and James Cooper, Montreal, Agent for Railway Fencing. (20)

THE OAKVILLE BASKET CO.,



Manufacturers of

1, 2, 3 Bushel

Grain

AND

Root

BASKETS

THE OAKVILLE BASKET CO.



IRON AND BRASS

Pumps

Force, Lift and Cistern Hand and Power.

For all duties. We can supply your wants with—quality the best and prices right. Catalogues and full information for request.

THE R. McDOUGALL CO., Limited

Manufacturers, Galt, Canada.



"Build to-day then, strong and sure.
With a firm and ample base."
—Longfellow.

DO YOU?

WISH THUS TO BUILD an advertisement in the CONTRACT-RECORD, TORONTO will bring you tenders from the best contractors.

CHAS. F. CLARK, President. JARED CHITTENDEN, Treasurer.

ESTABLISHED 1849.

...BRADSTREET'S...

Capital and Surplus, $1,500,000. Offices throughout the civilized world.

Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying, and promulgating information, no effort is spared and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world. Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by respectable and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its Offices. **Correspondence invited.**

THE BRADSTREET COMPANY

TORONTO OFFICE: Cor. Jordan and Melinda Sts.

THOS. C. IRVING, Superintendent.

PERFECTION AUTOMATIC REVOLVER.



NEW Automatic shell extracting, double action, small frame. Weighs 12 oz. Rebounding lock. 32 caliber. 5 shot.

Made with shorter barrel for bicycle use.

The most perfect small pistol made.

SEND FOR CATALOGUE.

Forehand Arms Co.

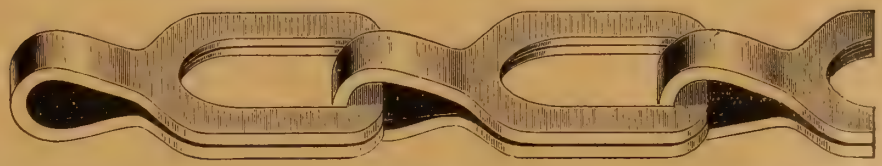
Manufacturers of the

Forehand Guns

Worcester, Mass.

AMERICAN COW TIES

WILL OUTLAST ALL OTHERS.



This is because the form of the link, the exact size and shape of which are shown above, is such that the wear is distributed evenly over its entire end. The bearing surface is thus very large, and the chain will wear for years without becoming worn appreciably.

With other styles of chain the bearing surface is only a very small portion of the extreme end of the link. Grooves are soon formed, and in a comparatively short time the links are worn—or, properly speaking, cut—through.

These facts are well shown on a cow tie recently brought us for repairs. It was an ordinary No. 00 three chain tie. One chain was wire, the other two American. One of the wire links was worn entirely through. The others were nearly as bad—a strong pull would have broken almost any of them. With the American chains, on the other hand, the wear was very slight, and hardly noticable—three times this amount would not have weakened the chains seriously.

In addition, because of its flat link and smooth surface, American chain is much easier for the neck of the animal than the twisted or wire chain. The American link cannot injure the animal's neck—other styles of link are very liable to.

American Cow Ties are made in all the standard patterns and sizes. They are sold by all jobbers.

ONEIDA COMMUNITY, Limited. NIAGARA FALLS, ONT.

Est. 1863 — Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve Medals



Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895



TO INSURE COMFORT AND SAFETY

...USE...

"Maltese Cross" Inner Tubes

AND



The Toronto Rubber Co.

Limited

185 Yonge Street - TORONTO, CANADA

EVERYBODY "TICKLED"

with the striking features of



Davidson's New Milk Can Bottom.

Made "two piece," it has all the security of a "one piece" bottom, without the strain that Spinning and Drawing causes.

It is so made that the "long grain" of metal is turned in, preventing **any possibility of splitting.**

It **has** large rolled **edges** that will not **tear** waggon or factory floors.

Its "inside of bottom" fits snugly to hoops, using less time and solder in making. This **counts.**

Its "wearing parts" are strongly **re-enforced,** insuring greatest **durability.**

Made in all sizes, of 14-Gauge Steel, Perfectly Tinned.

See Travellers' Samples before placing orders.

THE Thos. Davidson Mfg. Co., Limited,

MONTREAL, P.Q.

Name stamped on each bar.
"Langwell's Babbitt"
--Montreal.

CANADIAN
HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XI. MONTREAL AND TORONTO, SEPTEMBER 16, 1899. NO. 37



Magnolia Metal

Best Anti-Friction Metal for all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up in bars, of which this is a

FAC-SIMILE.

The name and trade mark appear on each box and bar and besides this, the words "Manufactured in United States" and "Patented June 3, 1890" are stamped on the under side of each bar.



MAGNOLIA METAL COMPANY

LONDON OFFICE—40 Queen Victoria St.
CHICAGO OFFICE—Fisher Building, 281 Dearborn Street.
CANADIAN OFFICE—524 Board of Trade Building, Montreal.

Owners and Sole Manufacturers,
266 and 267 West St., New York



CANADA

BEAUTIFUL AND GOOD

These two qualities do not always go together, but in "QUEEN'S HEAD" Iron they do. Known at a glance by its smooth, bright, and unspotted surface, it is equally good through and through. Take no substitute.

JOHN LYSAGHT, Limited,
BRISTOL, ENG., and MONTREAL.

12 Years Prove It.

Time is the true test of Quality—twelve years of constant use without an unsatisfactory report on the Safford Patent Radiators! Not one complaint from leakage, bursting or wearing out—if proof is wanting of perfection in

Steam or Hot-Water Heating,

here it is. "12 years prove it."

No bolts, rods or packing—screw-nipple connections at every joint. Handsome as a radiator *can* be. Fits curves, circles, angles. Made by the largest radiator manufacturers under the British Flag. Illustrated catalogue free.

The Safford Radiators.

The Dominion Radiator Company, Limited,
TORONTO, ONTARIO.

AGENCIES AT

Montreal,	Quebec,	St. John, N. B.,
Winnipeg,	Vancouver,	London,
Glasgow,	Edinburgh,	Belfast,
Antwerp.	Berlin,	Christiana,
Auckland, N.Z.		Johannesburg, S.A.R.

RICE LEWIS & SON
(LIMITED)

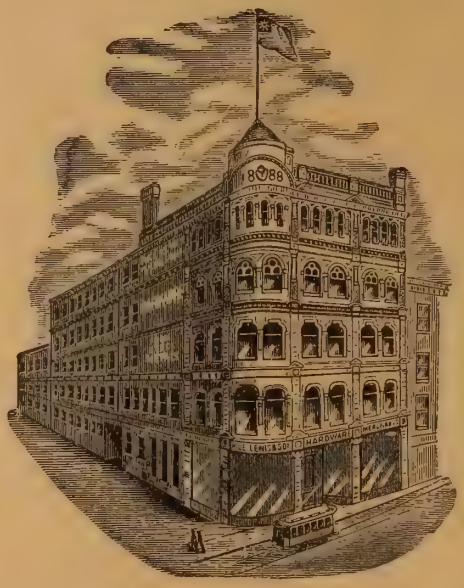
ARTHUR B. LEE, President. *A. BURDETT LEE, V. P. and Treas.*

Importers of . . .

Bar Iron
Steel
Boiler Plate

Shelf and Heavy

Hardware



MANTELS
GRATES
TILES

Cutlery . .

FINE BUILDERS' HARDWARE.

Cor. King and Victoria Streets ...TORONTO

SAVAGE REPEATING RIFLE
.303 CAL.



Hammerless
Smokeless
Six-Shooter

New 1899 Model

AGENTS:
Winnipeg, J. H. ASHDOWN
Toronto, RICE LEWIS & SON
Quebec, CAVERHILL, LEARMONT & CO.

LATEST and FINEST Rifle manufactured.

Write for complete Catalogue W.

SAVAGE ARMS CO., Utica, N.Y., U.S.A.

---

74 YEARS. *ESTABLISHED 1825.* *74 YEARS.*

CELEBRATED

HEINISCH SHEARS



ACKNOWLEDGED THE BEST.

Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.

R. HEINISCH'S SONS CO.

NEW YORK OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

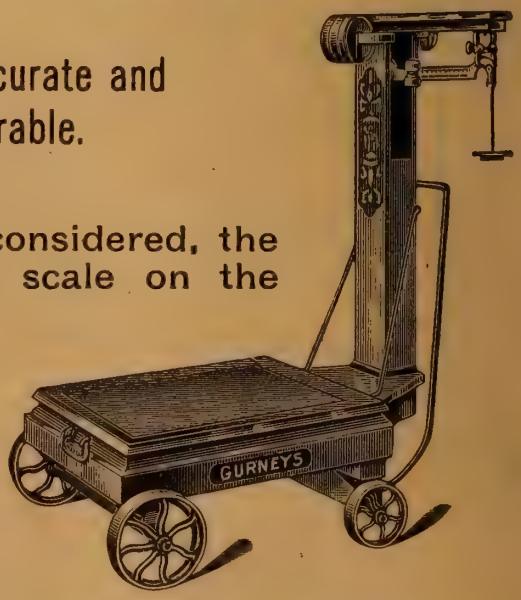
Not connected with any Shear Combination.

CANADA'S BEST SCALES

GURNEY

Accurate and Durable.

Quality considered, the cheapest scale on the market.



A complete stock of Scales carried in Montreal by our Agent, WALTER GROSE.

THE GURNEY SCALE CO

Hamilton, Ontario, Canada.

WOOD, VALLANCE & CO.,

Iron Merchants.

Importers of British and Foreign

HARDWARE

HAMILTON, ONT., Canada.

Toronto Office:

☞ 88 York Street.

Thresher Belts

CANADIAN RUBBER CO. EXTRA BRAND MONTREAL & TORONTO

with these brands are a guarantee in themselves of excellence . . .

Manufactured by

The Canadian Rubber Co.

Of Montreal

Factories and Head Office, MONTREAL

Capital, $1,500,000.00

Ontario Branch, Toronto

Western Branch, Winnipeg

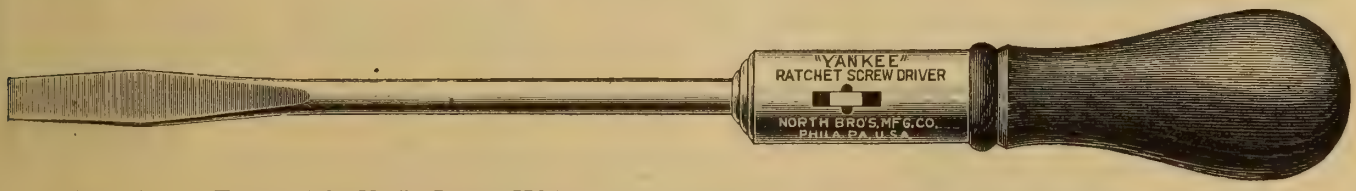
CANADIAN RUBBER CO. EXTRA HEAVY BRAND MONTREAL & TORONTO

Write for . . .

Samples, Lists, and Discounts.

"YANKEE" TOOLS

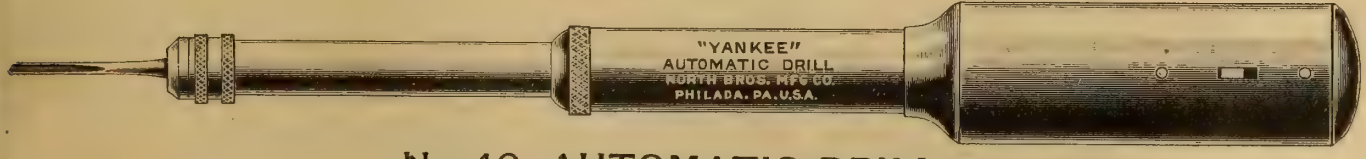
are sold by Leading Jobbers throughout the Dominion.



No. 10 RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.



No. 30 SPIRAL-RATCHET SCREW DRIVER.



No 40 AUTOMATIC DRILL.

FREE A handsome lithographed and embossed Sign in colors, on tin, to dealers handling these tools. Separate sign for each tool. Write at once which sign is wanted and it will be mailed post paid.

SEND FOR "YANKEE" TOOL BOOK.

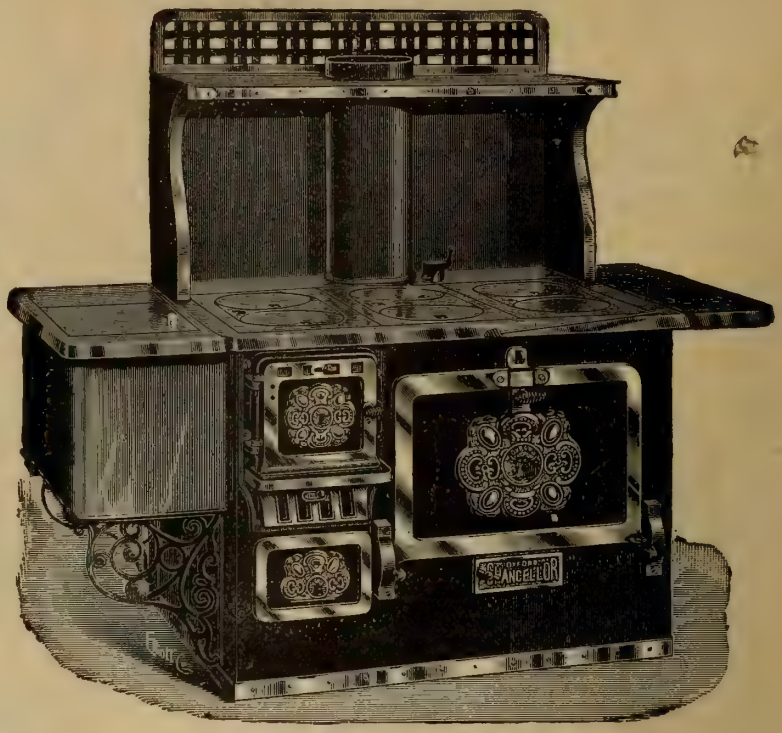
North Bros. Mfg. Co.

Philadelphia, Pa., U.S.A.

This Range always gives

Unbounded Satisfaction

The OXFORD CHANCELLOR



is of Heavy Steel Plate—an ideal farmer's range that burns the coarsest wood, or may be fitted with coal linings.

Note these dimensions:

Fire Box, 28 in. long.
Oven, 20 x 22 x 14 in.
Top Cooking Surface, 39 x 30 in.

It is quick-working, handsomely finished and moderate in price—selling on sight.

Your stock is not complete without the Chancellor.

Write us if You're Interested

The GURNEY FOUNDRY CO., LIMITED,
TORONTO.

THE GURNEY-MASSEY CO., LIMITED, MONTREAL.

WINNIPEG AGENTS, 155 and 157 Lombard St. **VANCOUVER,—C. A. GODSON, 151 Hastings St.**

EDDY'S WRAPPING PAPERS

possess a peculiar toughness adapting them for the HARDWARE TRADE.

The long fibre we make them of is responsible for this.

SEND FOR A SAMPLE ORDER

PRINTED or UNPRINTED.

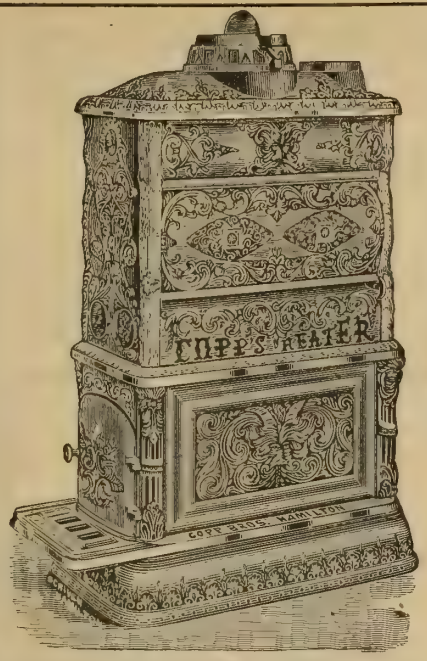
The E. B. EDDY CO., Limited

Hull, Montreal, Toronto, Quebec, Hamilton, Kingston, St. John, Halifax, Winnipeg, Victoria, Vancouver, St. John's, Nfld.

Two Kinds...

There are only two kinds of horse shoe nails made in Canada; the best and the rest There can only be one best; and there is no trouble in finding it out. It is the "C" brand made by us since 1865. Our nails are made from the best Charcoal Swedish Steel nail rods, hot forged, to patterns and proportions designed by us. Every nail is examined and warranted perfect. Our name and brand is on each box. They cost the same price as others.

Canada Horse Nail Company,
MONTREAL.



REMARKABLE RESULTS!!

In the City of Winnipeg—and it's a cold place—a No. 34 Copp Heater warmed a store perfectly containing 21,168 cubic feet.

Such a feat was never equalled in heating in this country with one stove of similar size.

We have added a size to burn 27-inch wood. This will be found suitable for any residence.

ASK FOR THE
COPP HEATER.

It's the greatest and most economical Heater made to-day.

THE COPP BROTHERS CO., Limited, Hamilton and Winnipeg

Hardwood CHARCOAL in Bulk or Sacks.
WOOD ALCOHOL equalling Methylated Spirits as a solvent.

Manufactured only by...
THE STANDARD CHEMICAL CO., Limited
Factories { Fenelon Falls. Deseronto.
Gooderham Building, TORONTO

Canada Plates

18 x 21 x 60 Sheets, Half-Bright
18 x 24 x 52 Sheets, Half-Bright
18 x 24 x 60 Sheets, Ordinary
18 x 24 x 75 Sheets, Ordinary
20 x 28 x 41 Sheets, Ordinary
18 x 21 x 60 Sheets, "Alaska"
18 x 24 x 52 Sheets, "Alaska"

(The best All Bright Plates on the market.)

M. & L. Samuel, Benjamin & Co.

ENGLISH HOUSE:
Samuel, Sons & Benjamin
64 Fenchurch Street, London, E.C.

26 to 30 Front St. West TORONTO.

MILITIA.

SEALED TENDERS for the supply for the Permanent Force and Active Militia of Necessaries. Barrack Stores and Camp Equipment, consisting of Boots, Socks, Underclothing, Shirts, Razors, Brushes, etc.; Mops, Corn Brooms, Marquees, Saddlery, etc., will be received up to noon, Tuesday, 26th of September, 1899.

The tenders are to be marked on the left hand corner of the envelope, "Tender for Militia Store Supplies," and are to be addressed to the Honorable the Minister of Militia and Defence, Ottawa.

Printed forms of tender, containing full particulars, may be obtained from the undersigned at Ottawa, and at the offices of the District Superintendent of Military Stores at London, Toronto, Kingston, Montreal Quebec, Halifax and St. John.

Patterns or samples of the supplies to be furnished may be seen at the office of the undersigned at Ottawa. Samples will not be sent to parties desiring to tender.

No tender will be considered unless made on the printed form furnished by the Department, nor if the form is altered in any manner whatever. Parties must state in their tender what facilities they have for executing a contract if one be awarded them, and give the names of two responsible parties as guarantees of their ability to perform such a contract.

Each tender must be accompanied by an accepted chartered Canadian bank cheque, payable to the order of the Honorable the Minister of Militia and Defence, for an amount equal to 10 per cent. of the total value of the articles tendered for, which will be forfeited if the party making the tender decline to sign a contract when called upon to do so. If the tender be not accepted the cheque will be returned.

The Department does not bind itself to accept the lowest or any tender.

A. BENOIT, Capt., Secretary.

Department of Militia and Defence,
Ottawa, 31st Aug., 1899

Newspapers inserting this advertisement without previous authority from the Department will not be paid for it. (38)

SEALED TENDERS, addressed to the undersigned, and endorsed, "Tender for Extension of Levis Dry Dock," will be received at this office until Wednesday, 20th September next, for the extension of the dry dock at Levis, County of Levis, Que., according to a plan and specification to be seen at the office of Hugh Valiquet Dockmaster, Levis, Que., at the Public Works Office, Post Office, Quebec, and at the Public Works Office, Post Office, Montreal, and at the Department of Public Works, Ottawa.

Tenders will not be considered unless made on the form supplied, and signed with the actual signatures of tenderers.

An accepted bank cheque, payable to the order of the Minister of Public Works, for twelve thousand dollars ($12,000), must accompany each tender. The cheque will be forfeited if the party decline the contract or fail to complete the work contracted for, and will be returned in case of non-acceptance of tender.

The Department does not bind itself to accept the lowest or any tender.

By order,
E. F. E. ROY,
Secretary.

Department of Public Works,
Ottawa, 24th August, 1899.

Newspapers inserting this advertisement without the authority of the Department will not be paid for it. (37)

SEALED TENDERS, addressed to the undersigned and endorsed "Tender for Heating Apparatus, Rat Portage, Ont.," will be received at this office until Thursday, 21st September, 1899 for the construction of a hot-water heating apparatus at the Post Office, etc., Building, Rat Portage, Ont.

Plans and specification can be seen at this Department and at the office of the Clerk of Works, Rat Portage Ont.

Persons tendering are notified that tenders will not be considered unless made on the printed form supplied, and signed with their actual signatures.

Each tender must be accompanied by an accepted bank cheque, made payable to the order of the Honorable the Minister of Public Works, equal to ten per cent. (10 per cent.) of the amount of the tender, which will be forfeited if the party decline to enter into a contract when called upon to do so, or if he fail to complete the work contracted for. If the tender be not accepted the cheque will be returned.

The Department does not bind itself to accept the lowest or any tender.

By order,
E. F. E. ROY,
Secretary.

Department of Public Works,
Ottawa, August 31st, 1899.

Newspapers inserting this advertisement without authority from the Department will not be paid for it. (37)

Have your foundation well and truly laid

FOR

Fall Trade

Oval and Flat Paints
Flat Wall
Sash Tools
Varnish, Oval or Flat
Kalsomine
Whitewash
Paperlayers'
Paint Dusters, Round or Flat

And a well-selected stock of

Boeckhs' Brushes, Brooms, and Woodenware.

Scrub
Shoe
Stove
Dandy
Horse
Stable Brooms

Bannister and Hair Brooms
Window Brushes and Rubbers
Dusters and other Household Brushes
Brooms, Whisks and Woodenware.

Our Illustrated Catalogue for the asking.

BOECKH BROS. & COMPANY

Branches in Montreal, Winnipeg, Vancouver and St. John's, Nfld.

Manufacturers TORONTO, ONT.

THE TORONTO SILVER PLATE CO., Limited,

SILVERSMITHS AND MANUFACTURERS

—OF—

ELECTRO SILVER PLATE.



No. 95.—Satin, List, $5 00 each *No. 94.—Satin, List, $5.00 each.*
" 95.—Pl. Burnished, List, $5.50 each. *" 94 —Pl. Burnished, List, $5 50 each.*

Our line of new goods in both STERLING SILVER and ELECTRO SILVER PLATE is now practically complete for the year, all of which is illustrated in our new Albertype Catalogues. If interested write for same.

It will certainly pay you to see what we have to offer before placing your orders elsewhere. Goods are new, up-to-date in design and character, and prices very reasonable.

Factories and Salesrooms: KING ST. WEST, TORONTO, CANADA.

E. G GOODERHAM, Managing-Director.

HARDWARE BUSINESS FOR SALE.

Established twenty years on Main St., Winnipeg, Mantoba. Satisfactory reasons for selling. First-class stand with all modern fittings — unexpired lease. Apply to CAMPBELL BROS.. Winnipeg, Manitoba. (tf)

FOR SALE.

A NEW MARLIN RIFLE

Never been used. Just the Rifle for practice. Price $30. Will take $20.

19 Board of Trade, Montreal

One of the
LEADING WHOLESALE HARDWARE HOUSES
in Montreal to-day is

SEYBOLD, SON & CO.,

Established 30 years.

Carrying a complete assortment of HARDWARE, from a Needle to an Anchor.

KNOX HENRY.

Heavy Hardware and Metal Broker
Room 220½ Board of Trade, MONTREAL.

SPECIALTIES—C Brand Horse Nails—Canada Horse Nail Co.

BOLTS—Tire and Stove Rivets of all kinds—Chalcraft Screw Co.

BRASS GOODS—Gunn Castor Co., Limited, Birmingham, Eng.

Deseronto Iron Co.

LIMITED

DESERONTO, ONT.

Manufacturers of

Charcoal Pig Iron

BRAND "DESERONTO."

Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

FULL STOCK

DIAMOND BRAND



WIND GUARDS,
CHIMNEY TOPS,
FLUE LININGS,

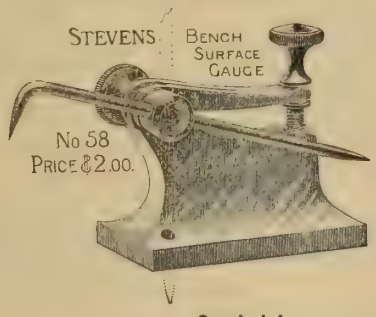
CULVERT PIPES,
SEWER PIPES,
INVERT BLOCKS.

Manufactured by the

HAMILTON AND TORONTO SEWER PIPE CO.

Hamilton, Ontario. **Limited**

STEVENS ...FINE TOOLS



We make a perfect line of

CALIPERS and DIVIDERS

Also such tools as Surface Gauges, Tool Makers' Clamps, Center Punches, etc.

Write for our New Catalogue containing a description of our Tools. It is also a valuable hand-book of information for mechanics and people interested in such lines.

J. Stevens Arms & Tool Co.
P.O. Box 216, Chicopee Falls, Mass, U.S.A.

Carried by our representatives at Toronto and Montreal.

EVERYBODY "TICKLED"

with the striking features of



Davidson's New Milk Can Bottom.

Made "two piece," it has all the security of a "one piece" bottom, without the strain that Spinning and Drawing causes.

It is so made that the "long grain" of metal is turned in, preventing **any possibility of Splitting.**

It **has** large rolled **edges** that will not **tear** waggon or factory floors.

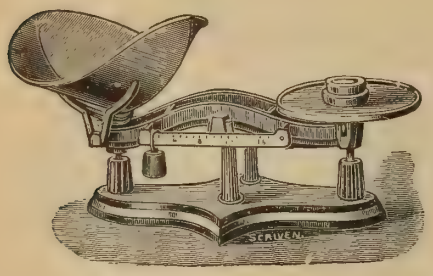
Its "inside of bottom" fits snugly to hoops, using less time and solder in making. This **counts.**

Its "wearing parts" are strongly **re-enforced,** insuring greatest **durability.**

Made in all sizes, of 14-Gauge Steel, Perfectly Tinned.

See Travellers' Samples before placing orders.

THE Thos. Davidson Mfg. Co., Limited,
MONTREAL, P.Q.



ANYTHING from a LETTER SCALE weighing ⅛ oz., to a 100 ton RAILWAY SCALE.

THINGS HAVE TAKEN A TURN!

IT IS QUALITY'S TURN TO SPEAK!

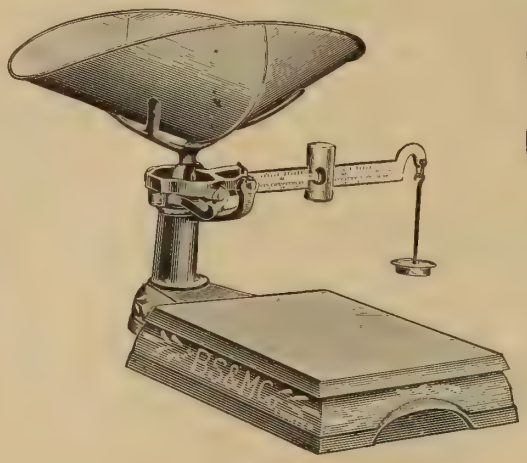
The QUALITY of our "IMPERIAL STANDARD"

IMPERIAL STANDARD SCALES

are Manufactured in the best equipped factory in the Dominion, by the most competent workmen, continually under the supervision of the Government

INSPECTORS.

Write for Prices to



SCALES

is UNSURPASSED and the DEALERS Recognize the Fact.



THE BURROW, STEWART & MILNE CO., LIMITED.

HAMILTON, ONT.

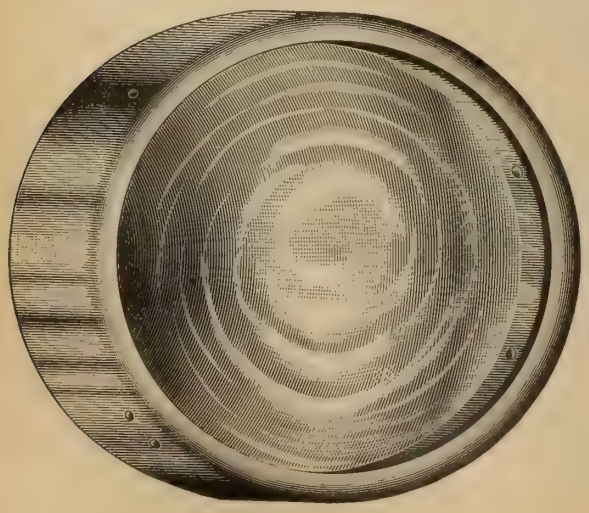
WE ALSO MAKE "JEWEL" STOVES AND FURNACES.

Kemp's Broad Hoop, Roll-Rim Milk Can Bottoms

Introduced to the Trade in

1898

and generally pronounced to be the best ever offered.



The **Broad Hoop, Roll-Rim Milk Can Trimmings**

have been improved for season of

1899

and will be found to be the strongest, and therefore the most serviceable.

Kemp Manufacturing Co.

TORONTO.

HARDWARE AND METAL

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GRAIN IN MANITOBA AND THE TERRITORIES.

JUST when such large and excellent crops are being garnered in Manitoba and the Northwest Territories a reference to the output in those parts of the Dominion last year is, perhaps, not out of order, particularly as it is now more possible to do so intelligently than it was even a month ago.

Manitoba has, for some years, issued official returns in regard to its cereal crops, but it was not until within the last few weeks that the first official report on agriculture was issued by the Government of the Territories.

According to this report, there were produced in the Northwest Territories in 1898 3,542,478 bushels of wheat from 307,580 acres, or an average of 18.01 bushels per acre; oats, 3,040,307 bushels from 105,077 acres, or 28.93 bushels per acre; barley, 419,512 bushels from 17,092 acres, or 26.29 bushels per acre.

The crop report of the Government of Manitoba placed the yield of wheat in that Province in 1898 at 25,313,745 bushels. Thus the total yield for Manitoba and the Territories was 28,856,223 bushels.

The yield of other grains in Manitoba was: Oats, 17,408,252 bushels; barley, 4,277,927 bushels; rye, 63,860 bushels; peas, 31,880 bushels.

The total yield of grain in Manitoba last year was 47,095,664 bushels, and in the Territories 7,032,297. Taking the Province and the Territories together the total was 54,127,961 bushels.

This year the yield of wheat in Manitoba alone promises to be 50,000,000 bushels or more. The acreage under wheat in that Province, according to an official report issued in June last, is 1,629,995 against 1,488,232 last year, and the present crop is beyond all question larger and better than that of 1898. Taking Manitoba and the Territories, the yield this year will possibly be in the neighborhood of 55,000,000 bushels.

With trade conditions so favorable the world over, the outlook for Manitoba and the Territories for the ensuing 12 months is particularly bright.

ROPE HIGHER AT MONTREAL.

There has been another sharp advance in the price of sisal and manila rope, the jobbing price in Montreal being 1c. higher all around as follows: Sisal, 7-16 inch and larger, 12½c.; ⅜ inch, 13c., and ¼ and 5 16 inch, 13¼c. Manila, 7-16 inch and larger, 15c.; ⅜ inch, 15½c., and ¼ and 5-16 inch, 16c.

IRON PIPE ADVANCE IN MONTREAL.

FOR months back, Montreal has been one of the cheapest markets in the world in which to purchase iron pipe. The reason was that, owing to competition between makers and the long-dated contracts unfilled, jobbers had cheap pipe on hand, and, as some of them would not advance prices, the others, perforce, were unable to take advantage of the advance that was general at most other centres of distribution.

This week, however, the jobbing price in Montreal was advanced sharply, and, though it is still below a parity with the cost elsewhere, is more in line with values on other markets than it has been. The new basis is as follows:

	Black Pipe.	Gal. Pipe.
⅛ inch.....	$3 41	....
¼ "	3 30	$3 62
⅜ "	3 30	4 18
½ "	3 41	6 24
¾ "	3 83	7 96
1 "	7 24	15 92
1½ "	9 08	19 90
2 "	12 07	25 97

U. S. PIG IRON IN ENGLAND.

It will be interesting to watch the imports of pig iron into Great Britain from the United States during the next few months.

In 1897 the United States exported 91,000 tons of pig iron to Great Britain, and in 1898 the quantity was 76,000 tons. According to British figures there were imported from the United States during the first three months of the present year 37,000 tons of pig iron, and during the second quarter 20,000 tons, which, with 40,000 tons in July, made a total of 61,000 tons for the seven months. Taking the average for each month it will be seen that the figures for 1899 are so far larger than those for 1897. And it must be remembered that the time has now arrived when cotton shipments will be made, and when, if there is any pig iron for export, it will be used as ballast at low rates of freight.

A FEATURE OF THE GLASS SITUATION.

At a time when the scarcity of glass and the arrival of so many of the import orders placed in the spring is drawing attention to the subject, the following will, doubtless, prove interesting to our readers. It is taken from a letter recently received by an importer from his agent in Belgium, and gives an insight into the state of affairs existing in that country as well as of some of the methods of business in vogue there.

"I cannot see any prospect of lower prices for a long time. The market is still full of orders, and it will be months before the high pressure at which the blasts are working can be lifted. This year has been a troublous one for the manufacturers. Their troubles began really last spring with a strike among the coal operatives, which cut off the supply of fuel, without which they cannot work. Following that, came a far-reaching strike of the glass blowers, involving nearly all that class of workmen in the country, and lasting eight or nine weeks. Ending as it did, in a victory for the men, it left the latter in an obstinate and what might be termed dictatorial frame of mind, and since the settlement of the trouble the men will work only such hours as they please, and any attempt to force them is to meet with a threat of another strike. Just what the manufacturers will do with orders on hand is a question. Some declare their intention of filling all contracts booked, but without engagement as to time of shipment, while others have repudiated all orders. Still others are taking refuge behind a Belgian law which provides that, in case of labor troubles or other causes beyond their control, rendering it impossible for them to fulfil all contracts, manufacturers have the right to distribute the product of the season's work among their patrons pro rata. Any manufacturer who can prove that he has done this fairly and impartially will be protected by the courts and relieved from liability to complete any of his contracts. While this may seem a queer law to you, its necessity is apparent to anyone acquainted with the difficulties the Belgian manufacturer labors under."

This is, perhaps, the best resume of the situation received this year, and, while it may bring but cold comfort to some, it will, nevertheless, help them to understand how difficult it is for a manufacturer to guarantee delivery at any particular time. Probably the most striking part of the letter is the reference to the law quoted. Just how far this would affect Canadian and American orders is a question, but if an order is placed by letter it would probably be looked upon as being booked in Belgium, and, consequently, come under the provisions of the law of that country. In case of an order being placed with a representative of a manufacturer in a foreign country, however, the matter is not so clear as suit could be taken against the manufacturer there instead of in Belgium. In the event of any kind of judgment being obtained, however, it would have to be transferred, which means taking a course through the Belgian courts.

From all this, it would appear that the position of the Canadian retailer, whose glass has not arrived, depends altogether on whom the order is booked with. From opinions expressed by those jobbers we have seen, we believe they will guarantee the delivery of their orders, but without restriction as to time. In case deliveries are not made before the closing of navigation, they will be heavy losers, on account of difference in freight rates.

CANADA'S TRADE WITH BELGIUM.

In a report which he has just submitted to the Department of Trade and Commerce, the agent of the Canadian Government at Antwerp, Belgium, expresses his belief that it is possible for Canada to largely increase her export trade with that country. He specifies a number of lines in which he thinks trade might be developed. They are: Winter apples, boots and shoes, winter butter, canned goods, cheese, furniture, hides, leathers, horses, rolled oats, starch, etc.

A glance over the trade returns of the last 25 years shows that the exports to Belgium have fluctuated a great deal. For instance, their value was $688,811 in 1880, but six years later they were only $6,565. In 1893, they were up to $669,040; but three years later they had fallen to $98,031. By 1898, however, the exports were up to $973,944, over $300,000 in excess of any previous year.

Canada's chief item of export to Belgium last year was grain, the total being $874,739, or about 89 per cent. of the exports of all kinds.

"Metals and minerals and manufactures of" came next with a value of $33,420. "Wood and manufactures of," valued at $29,871, was next in order.

Of the lines which the agent specified, Canada at present exports but little to Belgium. In fact, in boots and shoes, cheese, furniture, hides, horses, rolled oats, and starch, there is nothing done. Of the other lines he enumerates the following were exported in 1898: Apples, $933; butter, $401; canned fruits, $1,305; leather (sole, uppers, etc.), $5,070.

Although Canadian products have not now favored nation treatment in Belgium, there is no reason why an increased export trade should not be done with that country.

The Canadian agent has, no doubt, arrived at his conclusions after investigating the market. And, then, the trade we already have with Belgium should be an encouragement for us to go on.

Canada's imports from, like its exports to, Belgium were also last year the largest on record, being $1,450,197, making the aggregate trade — imports and exports— $2,424,141.

The line of goods which Canada imports chiefly from Belgium is sugar, of which we last year took $766,265 worth. Glass and manufactures of come next, with $248,912. Cement comes third in importance, with $151,588, while metals and manufactures of follow, with $47,760.

It might not be, perhaps, interesting to note that of the total imports $1,343,935 were dutiable goods.

CARRIAGE HARDWARE STRONG.

Manufacturers of carriage hardware are experiencing the same activity and have the same confidence in prices as have manufacturers in other lines of hardware. A year ago they were glad to take orders under almost any conditions. To-day they lay down the conditions, and refuse altogether to book orders for next year's delivery.

ANOTHER ADVANCE IN WIRE AND WIRE NAILS.

WIRE and wire nails have taken still auother advance in price. The advance went into effect on Thursday morning, and was 15c. on both smooth steel wire and wire nails.

The announcement of the change came as a surprise to the trade, notwithstanding that it was well known the price in Canada was relatively lower than in the United States.

The price for wire nails to the retail trade in less than carlots is now $3.10 per keg Toronto and $3.05 Montreal. In carlots the figures are $3.02½ and $2.97½ respectively. The discount on miscellaneous wire nails is now 70 per cent. instead of 70 and 5 per cent.

The base price of smooth steel wire, which includes oiled and annealed and hay-baling, is $3.15 per 100 lb. On fine steel wire the discount is 15 per cent. instead of 17½ per cent.

It is nearly three weeks since the last advance took place in wire nails, and over a month since the previous change in wire.

It is interesting to note, by way of comparison, that the price of wire nails is now about 77 per cent. higher than it was a year ago, when they were quoted at $1.75 per keg. But, marked as the appreciation is, it might have been more, considering the cost of raw material, and the relative cost of wire nails in the United States. For example, wire rods are 100 per cent. higher in Pittsburg than they were a year ago, being now quoted at $44, against $22; while wire nails in Pittsburg are quoted at $2.90 in less than carlots to the retail trade, which, with the Canadian duty added, would mean $3.50 per keg, not taking into consideration the freight rate.

There is nothing in the situation to indicate anything like an immediate reduction in prices. The demand for pig iron and other raw materials continues to exceed the supply on both sides of the Atlantic, and no contracts are being made for delivery next year at prices lower than those now ruling.

Wire nails in carlots to the jobber were quoted a year ago at $1.30 per keg, against $2.65 now, an advance of over 100 per cent., while for cut nails the figure was $1.05, against $2.40 now, an appreciation of over 128 per cent.

BUSY PIG IRON FURNACES IN CANADA.

THE extraordinary tax which the demand for pig iron is making upon the blast furnaces in other parts of the world is also the experience of the blast furnaces in Canada.

Stove manufacturers and other large users of pig iron placed large orders early in the year for the purpose of protecting themselves against the scarcity which the future promised, but, notwithstanding this, they are now finding it like drawing teeth to get delivery from the blast furnaces. This is particularly true in regard to pig iron, the product of the Hamilton furnace. That furnace, notwithstanding the fact that it is being worked at high pressure, is enormously oversold, even away into the coming year.

The price of the Hamilton iron is now up to $23, and orders for next year's delivery will not be booked at less than that figure.

There was never like the same quantity of pig iron being used in Canada that there is to-day. This is particularly true of the quantity that is being used for the manufacture of stoves and furnaces. Manufacturers of these two lines started their foundries earlier than usual, but they are positively unable to keep up with their orders notwithstanding. One manufacturer of furnaces informed HARDWARE AND METAL that he would be compelled to import in order to complete his orders.

There are now four blast furnace companies in operation in Canada, namely, the Hamilton, the Deseronto, the Radnor and the Nova Scotia Steel and Iron Co. They are all, as far as known, doing a good business, and are fortunate to have an existence in this "growing time."

COLLECTION OF OLD ACCOUNTS.

THERE is hardly a retail merchant anywhere whose books do not show a number of old accounts, says Stoves and Hardware Repoiter. Some of them are probably uncollectible; the makers may have disappeared or are hopelessly insolvent. About others is a hope for collection, but nothing more, while to all of them is attacked a suspicion of uncertainty, to say the least. They are certainly not quick assets at the best, and the main question for the merchant is what to do with them. He cannot sell them, for there is no one to buy. It is useless to take a note in settlement, because the note is probably worthless and establishes a bad precedent, anyway. To sue and then pay the costs is both foolish and expensive; it merely gratifies a desire for revenge that is bound to have a reactionary effect. Persistent dunning, cajolery, persuasion and threats have proven futile hitherto and are not likely to be effective now. In brief, every effort has been exhausted and the accounts are still on the books.

The remedy is very largely a matter of individual circumstances and judgment. A rule that applies in one case might fail in another, and all are certain to have some differences—in fact, requiring differences—in treatment. Yet, there is one remedy which, although radical, is certainly effective. Wipe them off the books. Charge the accounts to profit and loss, or open a new account and call it "The Folly of Indiscriminate Credit." Cleaning the books in this way may seem injudicious at first glance. But what is the use of keeping them month after month and year after year? When books are balanced periodically—as should be done in every business, no matter how small it may be—the labor and time consumed in figuring on old accounts is worth more to the merchant than any resulting profit is likely to be. The accounts are practically dead, and there is but little, if any, use in attempting to revive them. Let them stay dead, so that their ghosts may bother the debtor and cease to annoy the creditor. However, it is not a good plan to allow this change in policy to become generally known. Otherwise, there might be more dead accounts than live ones on the books.

On the other hand, the fact that a former customer owes a bill that he can't or won't pay is not a reason why his further patronage for cash is not desirable. His money has an equal value with that of others. He may stay away from the store because he owes a bill and doesn't care to be confroted with it every time he calls. But if he has money to spend, and most men have, no matter how they obtain it, the merchant's profits from the cash are just as good in his case as in others. Then, don't drive him away, but invite him to call as often as he may need your goods. After a while, he may "remember" that long-forgotten account and surprise you by paying it, while in the meantime you have handled a part of his cash and profited by the transaction.

THE MANITOBA WHEAT CROP.

An Expert's View.

YOUR correspondent called upon Mr. F. W. Thompson, manager of the Ogilvie Milling Company, on Friday last, and was kindly accorded an interview, in order that readers of HARDWARE AND METAL might enjoy an expert's opinion in regard to the present wheat crop of the Province and Territories. Probably no man is in a position to speak on this important subject with more authority than Mr. Thompson. He said:

"Up to the present time the crop has been saved in splendid condition. There has been neither frost nor rain to damage it, and the sample has so far been uniformly good. Fifty cars have been inspected in Winnipeg up to date, and every car has graded No. 1 hard. The wheat is practically all cut and farmers are busy stacking. It is safe to estimate that at the present time fully 50 per cent. of the crop is in stack, and another week of fine weather will see the crop of 1899 beyond the possibility of damage from wet weather, should it occur. The farmers of Manitoba, profiting by the bitter experience of last year, are stacking very carefully. The crop is the cleanest, probably, that has ever been produced in the Province. The absence of weeds is very marked. This is no doubt largely due to the late seeding. A certain number of weeds came up before there was an opportunity to seed, and these were cut down and killed during seeding operations. Once the seed was in, the development of the wheat plants was so rapid the weeds had no chance. It means an immense saving in the handling and cleaning of the crop. Threshing will be general through the Province next week, and I am fully of the opinion that the wheat crop of Manitoba and the Territories will reach the enormous figure of 50,000,000 bushels. The price is already established on the current market rate, and is about 57c. on a standard rate of freight. With the enormous yield per acre, this will be a very profitable crop to the farmers.

"The new Inspection Act is working well, and will be found a great improvement on the old manner of doing things. Traders in wheat will be able to obtain quicker and more accurate knowledge of their transactions. They will get the grade of the cars at once, instead of having to wait two, three and sometimes four weeks to get the grade from Fort William."

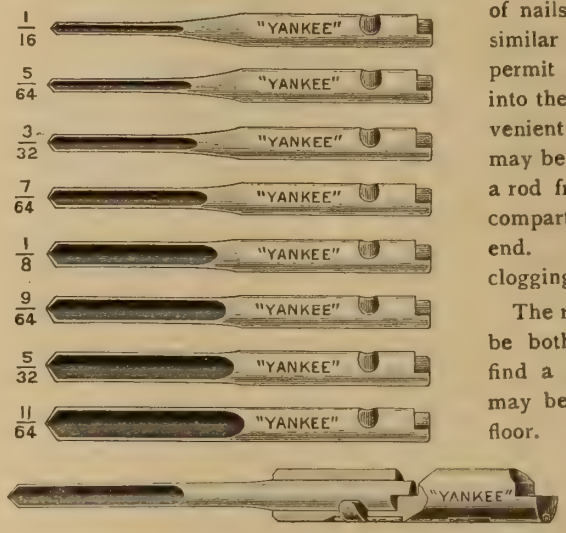
Asked as to the result of their large sale of imported seed oats last spring, Mr. Thompson said that the result has been most satisfactory. The farmers claim that the yield is, on the average, 25 bushels per acre more than they had been getting from the seed formerly used. "The sample is very fine," continued Mr. Thompson, "and we will start our oatmeal mill next week, and expect all season to have a full supply of first-class oats to keep it going."

The oat crop, as a whole, is probably the largest ever harvested.

Winnipeg, September 11, 1899.

THE "YANKEE" CHUCK.

Since The North Bros. Manufacturing Co., Philadelphia, Pa., put their No. 30 "Yankee" spiral-ratchet screwdriver on the market there has been quite a large demand from the trade for means to use drills in connection with that tool. To meet this demand the firm have gotten out a small chuck, a full-size illustration of which is given herewith. The outside of this chuck corresponds to end of screwdriver bits used in No. 30 spiral-ratchet screwdriver, while



the inner portion of chuck is made to conform to the ends of the drill points used in the No. 40 "Yankee" automatic drill. In using this chuck the drill point is first put into the chuck, as illustrated above, and the two together put in chuck of No. 30 "Yankee" spiral-ratchet screwdriver in same manner as bits are put in, the screwdriver being set for right hand, and operated by push or ratchet movement of screwdriver.

Eight drill points, 1-16 in. to 11-64-in. inclusive, as shown in illustration, are furnished with each chuck. The chuck and eight drill points are put up in a small, round wooden box. These are packed in paper boxes of one dozen. Net prices can be had upon application.

NEW FIRMS COMMENCING.

C. Estans has started business as lumber dealer in Sydney, N.S.

W. A. Metzler has commenced as painter in Sydney, N.S.

L. C. Porteous has opened out as hardware dealer and grocer in Carlyle, Man.

ANNOYANCE OF HANDLING NAILS.

HARDWARE dealers find considerable difficulty and annoyance at times in handling nails for their customers, remarks Stoves and Hardware Reporter. There are so many different sizes in both varieties that, when all sizes are kept in the kegs under or nearby the counter, the number of the kegs litters up the store and lessens the attractiveness of arrangement. Besides this, either a scoop or the bare hands are now used in digging out the nails from the keg. Both methods are awkward and slow, often involving delay and affecting the patience of both dealer and customer.

It is suggested that a revolving bin be constructed, each one having as many compartments as the sizes of nails more commonly handled. The compartments should be large enough to hold at least half a keg of nails, and be fitted with a sliding gate or similar device at the bottom in order to permit a ready discharge of the contents into the scoop or hopper, as may be convenient. As nails are likely to clog up, it may be well to guard against this by running a rod from the top to the bottom of each compartment, with side arms on the lower end. Agitating the rod will lessen the clogging and permit a ready delivery.

The revolving bin can be made so as to be both useful and ornamental, and will find a good position on the counter or it may be placed on a separate stand on the floor. The expense of making it will be slight, and it will pay for itself many times over in the saving of time it will effect. Then, too, it will be a novelty in hardware, and is bound to attract trade attention, which is one of those things that the enterprising dealer always needs, and is generally able to provide if he only goes about it in the right way. The hint here given is necessarily incomplete, but the details can be supplied by any capable mechanic.

The Wynkoop-Stephens Trading Co. have been incorporated to take over the business of Wynkoop & Stephens, general merchants, Phoenix, B.C.

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TACKS
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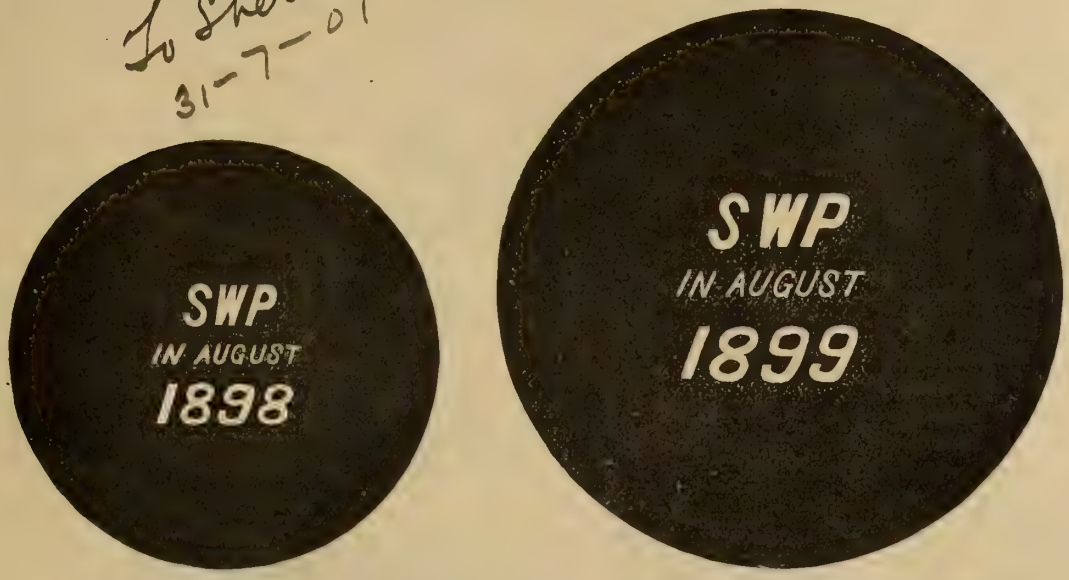


DIAGRAM SHOWING THE COMPARATIVE INCREASE IN S. W. P. SALES FOR AUGUST OF '99 OVER AUGUST '98.
A GAIN OF 71.3 PER CENT.

A BIG INCREASE IN SALES

On the first of August the *THE SHERWIN-WILLIAMS CO.* advanced the price of their prepared paint ten cents per gallon—to everybody.

During August their sales in this line alone increased 71.3 per cent over August a year ago.

S. W. P. is still the best value in paint obtainable. It enjoys the largest sale of any paint in the world, and the sales go on increasing every year, every month, every week, every day. You can't stop it. It's bound to grow.

This is due to its high and uniform quality. Its manufacturers will sacrifice anything rather than interfere one iota with its high standard.

It's better worth its price to-day than ever it was and the paint consumer knows it.

THE SHERWIN-WILLIAMS CO.
PAINT AND COLOR MAKERS.
Cleveland, Chicago, New York, Montreal, Boston, Toronto.

A SHORT-SIGHTED POLICY.

The hand-printed strip shown below, about five feet long by one foot wide, pasted across a housefurnisher's window, caught my attention a day or two ago, and set me wondering what could have induced the proprietors to adopt this method of doing business. There is no doubt about the advance in prices of bedsteads, and I could vouch for the large stock in hand; but how about selling at old prices? No doubt this

ADVANCE IN BEDSTEADS.	LARGE STOCK IN HAND.	SELLING AT OLD PRICES.

bait to catch bargain-hunters was genuine enough, but what will happen when many of the going sizes and patterns of the large stock in hand have been cleared out? Does the proprietor reckon on replenishing in the near future at old prices? My opinion is that though he may be gaining a temporary advantage he is laying up trouble for himself. The better policy would be to get somewhat increased prices on his large stock in hand while he can. — Ironmonger.

THE ONEIDA CO.'S COW TIES.

G. N. Allen, of The Oneida Community, Limited, Niagara Falls, Ont., was in Toronto last week. The material reduction in the cow ties made by this firm has largely increased their sale, for they have already shipped this season twice as many of them as they sold during the entire year of 1898. Some tests have been made recently which go to prove undisputably the wearing qualities of these ties. This firm has issued a small illustrated booklet, describing their various cow ties, and a great number of this booklet has been distributed in Toronto during the last few weeks. The book can be had on application to The Oneida Community, Limited, Niagara Falls, Ont.

THE "TEUTONIC" CLOSET.

There has for some time been a demand in the trade for a closet a little better than the cheap washout closet. The Ontario Lead and Wire Co., Limited, is offering what it claims to be the desideratum. It is called the "Teutonic" closet and comes between the syphon jet and the washout closet. It is quoted as follows: Plain, $4.75; embossed, $5.25; fittings, $1.25.

TAR AS HAIR-DYE.

An amusing occurrence took place in a Melbourne ironmonger's establishment during the month, according to an exchange. One of the salesmen saw a gentlemanly-looking man steal some articles off one of the counters and place them in his topcoat-pocket. The salesman at once pounced to catch him, at the same time saying, "You thief!" The thief took to his heels towards the rear of the shop. He got near the back door, where one of the employes was just coming in with a kerosene tin half-full of tar for a customer. He heard the cry of "Stop thief!" and put down the can to arrest the thief's progress. Just at this moment the thief tripped and landed head first in the tar-pot. They assisted him out, took from his pockets the articles stolen, and allowed him to depart, which he quickly did, followed by all the boys in the neighborhood, jeering at him and calling out, "Come and see the man with the new hair-dye."

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BE PARTICULAR to ask for these brands when ordering from your jobbing house. They can be supplied in all sizes and weights.

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This is a superior plate and heavily coated—a good roofing plate that will give satisfaction to your customers.

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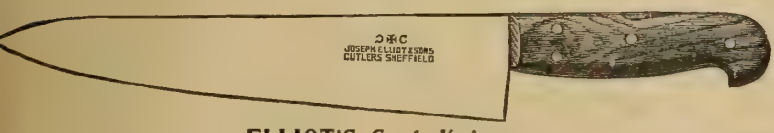
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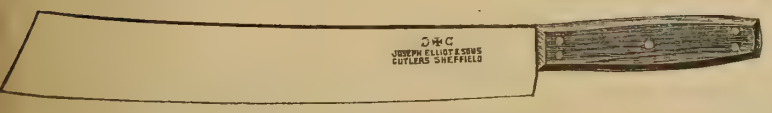
ELLIOT'S Ham Slicers.



ELLIOT'S Cook Forks.



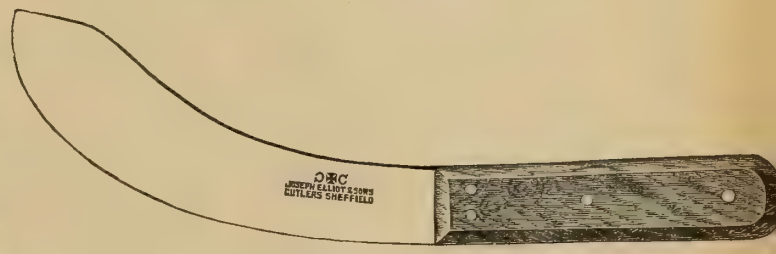
ELLIOT'S Cook Knives.



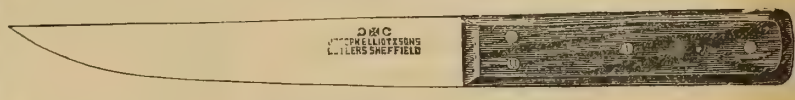
ELLIOT'S Cheese Knives.



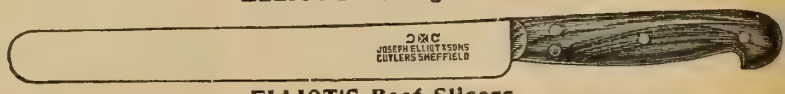
ELLIOT'S Table Knives.



ELLIOT'S Skinning Knives.



ELLIOT'S Boning Knives.



ELLIOT'S Beef Slicers.



ELLIOT'S Carving Knives.



ELLIOT'S Fish Knives.



ELLIOT'S Butter Spades.



ELLIOT'S Carvers.



ELLIOT'S Razors.

Orders Filled Promptly. **Our Prices are Right.**

H. S. HOWLAND, SONS & CO., TORONTO.

ONLY WHOLESALE. GRAHAM WIRE AND CUT NAILS ARE THE BEST. ONLY WHOLESALE

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

BILODEAU & RENAUD have been appointed curators of Alex. Payette, tinsmith, St. Johns, Que.

Alex. Spittal & Co., coal dealers, Ottawa, have assigned.

J. N. Duguay & Co., general merchants, La Baie, Que., have assigned.

PARTNERSHIPS FORMED AND DISSOLVED.

The Canada Mill Stock Co., Montreal, have dissolved.

The Hugman Window Shade Co., Granby, Que., have dissolved.

Meikle & Coppinger, general merchants, Morden, Man., have dissolved.

The Royal Mfg .Co., woodworkers, Guelph, Ont., have admitted R. Mathews.

Hemenway & Co., general merchants, Carman, Man., have admitted J. M. Walker.

J. C. Spence & Son, glass stainers, Montreal, have dissolved, Henry J. Spence continuing.

McLeod & Gilmour, general merchants, Lacombe, N.W.T., have dissolved, M. J. MacLeod continuing.

Lewarton & Son, general merchants, Fort Ellice, Man., have dissolved, E. R. Lewarton continuing.

Jones & Brown, blacksmiths, St. John, N.B., have dissolved, Wm. Brown continuing in his own name.

Boyd Bros. & Shourd, agricultural implements, Wellington, Ont., have dissolved, Boyd Bros. continuing.

SALES MADE AND PENDING.

Colin Campbell, restauranter, Moncton, N.B., has sold out.

The assets of John Bannerman, boilermaker, Ottawa, are to be sold.

John Birlet, blacksmith, Monkton, Ont., is advertising his business for sale.

Wm. Wright, blacksmith, Carrville, Ont., is advertising his business for sale,

The assets of H. Cleland, general merchant, Hallville, Que., are to be sold.

The assets of Robert Robertson, general merchant, Burnstown, Ont., have been sold.

Hugh Hobbs, general merchant and harnessmaker, Shawville, Que., has sold out.

Jacob Bauer, general merchant and hotelkeeper, Netherby, Ont., has sold out his store business.

John Grant, general merchant and sawmiller, Aberfeldy, Ont., is advertising his business for sale.

E. A. Shaw, general merchant, Thornhill, Man., has sold his stock to T. Finkelstein at 75c. on the dollar.

The assets of Pigeon & Co., general merchants, Ottawa, are to be sold by auction on September 15.

The assets of J. & P. Nadeau, general merchants, Grand Cascapedia, Que., are to be sold on September 19.

CHANGES.

J. J. Mulholland, bicycle dealers, Victoria, has sold out to Peden Bros.

Arthur Smiley, blacksmith, Shawville, Que., is adding harnessmaking.

R. S. Gallop, general merchant, Kaslo, B.C., is removing to Windermere.

H. R. Keyes, hardware dealer, Midway, Man., has sold out to Hamilton & Sutton.

P. Harding, dealer in stoves and tinware, Gorrie, Ont., has sold out to Found Bros.

Smellie & Co., general merchants, Hepworth, Ont., are giving up business in that place.

Tremble Bros., general merchants, Leduc, N.W.T., have been succeeded by Leitch Bros.

Vieth & Borland, general merchants, 150-Mile House, B.C., have been succeeded by The Cariboo Trading Co.

A. Roys & Co., dealers in agricultural implements, etc., Cornwall, Ont., have been succeeded by J. T. Gauthier.

Dame M. Chouinard, wife of L. Robert, has registered proprietress of L. Robert & Cie., coal and wood dealers, St. Henri de Montreal.

Elizabeth Copping, wife of George Copping, has registered as proprietress of Gray, Copping & Co., hardware dealers, Westmount, Que.

FIRES.

J. R. Jacobs & Co., general merchants, Greenwood, B.C., are reported burned out.

T. C. Armstrong, tinsmith, Fort Steele, B.C., has been burned out; estimated loss, $1,000; insurance $700.

The stock of J. Widmer Nelles & Bros, commission dealers in saddlery hardware, Montreal, has been partially damaged by fire and water; insured.

DEATHS.

J. S. Cole, of Cole Bros., carriagemakers, Brockville, Ont., is dead.

AN INTERESTING COMPARISON.

Owing to the advance in costs of raw material, The Sherwin-Williams Co. was compelled to make an advance in the price to dealers on a few of their lines, taking effect August 1. "S-W.P.," their popular prepared house paint, was advanced 10c. per gallon. In consideration of these facts it is interesting to note that the sales of "S-W. P." for August show an increase of 71.3 per cent. over the sales in August last year. This increase in sales is as large as for any month this year, and somewhat above the average so far.

The factories of The Sherwin-Williams Co. have been taxed to their capacity right through the summer, each month seeing unexpected gain over last year.

Important

Iron Mines and Furnace Plant For Sale . .

The undersigned is instructed to offer for sale the important Properties and Plants of the Londonderry Iron Company, Limited, in Liquidation, at Londonderry, Nova Scotia, on the Main Line of the Intercolonial Railway, consisting of about 30,000 acres of Ore and Timber Lands with Blast Furnace, Rolling Mill, Pipe and General Foundry, Branch Railways and Rolling Stock, with all facilities for the production of Iron on a Large Scale.

The various plants are connected by the Company's Branch Railways with the Mine Levels, and the entire plant could be put into repair at comparatively small expense, within three months, to give a product of 75 Tons Pig Iron per day.

The Pipe Foundry is being profitably operated under Lease from the Liquidator, and the profits from this department could be largely increased by the production upon the property of the Pig Iron required for Pipe Manufacture, which is now purchased at high figures from outside sources. The Government Bounty upon Pig Iron is $3.00 per ton when made from Native Ores.

Very large profits can be depended upon at the present ruling prices for Pig Iron, and the property offers unusual inducements for quick returns and ultimate high capitalization.

Correspondence is solicited and tenders invited by

GEORGE CREAK, C.A.,
Liquidator
12 Bank of Toronto Chambers
Montreal

Enameline

The Modern STOVE POLISH



PASTE.



LIQUID.



CAKE.

We present herewith cuts showing the three different forms of package in which Enameline is put on the market. The enormous amount of advertising being done to familiarize housekeepers with the name enables merchants to make quick sales. Don't load up with unknown brands—that's dead stock.

J. L. PRESCOTT & CO., New York.

TORONTO FOUNDRY CO.'S PICNIC.

THE Toronto Foundry Co. have been so busy all this year that it has been necessary for all the employes of the firm to work a great deal of overtime.

The employes have worked so faithfully and with so little objection to the necessary overtime that H. W. Anthes, the proprietor of the firm, decided to give them all a good outing.

Mr. Anthes is not in the habit of doing things by halves, so each of his thirty or more employes was presented with two tickets for Niagara Falls via the Niagara river steamers, on Saturday last. Tickets were also sent to sixty or more of Mr. Anthes' friends.

The trip across the lake was somewhat marred by roughness, but the sail up the beautiful Niagara from Niagara-on the-Lake to Queenston dissipated any seasickness that had been experienced, so that the ride from Queenston to Niagara along the Canadian shore was thoroughly enjoyed by Mr. Anthes' large family.

By the time Niagara was reached all were hungry, and soon the Hotel Savoy was a gay scene of animation. It had been chosen as headquarters, and the proprietor, James Dickinson, an old Toronto boy, had been requested to have an extra good spread. His tables showed that he knew how to do this, and the picnicers showed they knew how to do justice to the good things he had provided.

A pleasant though quiet afternoon was spent by all in Queen Victoria Park and visiting the sights up and down the river.

The supper, which was also at Mr. Anthes' expense, was even more enjoyable than the dinner. The brotherly feeling that generally manifests itself on such occasions made itself very evident, and a jolly good time was spent.

The trip home was in every respect all that could be desired. Though a good breeze was blowing there was no swell, and all were able to fully enjoy the sail. A good deal of amusement was furnished by a burlesque boxing match between "Cinders," the foundry company's mascot, and one of the James Robertson Company's travelers. The bout was to be seven rounds, but it took nine of them to decide the winner. It was then decided that "Cinders" was the prettiest boxer.

All present, especially the foundry company's employes, unite in praising the whole hearted manner in which the day had been made so enjoyable for them.

Last week, Hardy & Dubord's match factory a Beauport, Que., was almost totally destroyed by fire. The loss will be over $16,000, while the insurance is but $2,500. This is the second fire this firm has had in a very short time.

The cattle export trade is under full swing along the Manitoba and Northwestern railway at present, and hardly a day passes without a stock train coming down from Yorkton. This year promises to be a big one for the ranchers, as the demand and price are both good.—Manitoba Free Press.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY. MONTREAL.



STEEL LETTERS and FIGURES.

If your Jobber does not keep our steel letters and figures send to us direct, we make everything in steel stamps.

HAMILTON STAMP & STENCIL WORKS
Hamilton, Ont.

CAUSES OF FAILURE

In the Hardware Trade and How Avoided.

As long as there are failures, subjects that furnish information how to prevent them will always be timely. We have published, in pamphlet form, three admirable papers on the above topic, in which Over-Stocking, Expense, Capital, Credit, Discounts, Buying, etc., etc., are ably discussed. We will mail the whole three essays to any address on receipt of **10 cents**

HARDWARE AND METAL, Toronto

WE HAVE NOT ADVANCED the PRICE OF OUR . .

Starr Hockey Skate



BUT HAVE IMPROVED THE DESIGN.

Our representative started out last January, intending to show this skate to every dealer in Canada. He has been on the move ever since, but should he have failed to see **you** please drop us a line and we will post you re prices and also about our new **MIC-MAC Skate.**

THE STARR SKATE MANUFACTURING CO.,
- - LIMITED.

SOLE MAKERS, HALIFAX, N. S.

MARKETS AND MARKET NOTES.

QUEBEC MARKETS.

MONTREAL, September 15, 1899.

HARDWARE.

THERE is a moderate movement in general hardware this week, but the country fairs, as is usual, are interfering with the regular movement of trade. Wire and wire nails are 15c. higher, while cut nails are quiet. Horseshoes are firm and an advance in them is not unlikely in the near future. Screws, bolts, nuts, rivets, etc., continue to show a fair movement. Another sharp advance has been established in the price of sisal and manila rope, and other lines show no special feature.

BARBED WIRE — There has been no change in the price of this material and business is dull at $3 f.o.b. factory, and $3.10 to $3.15 in a jobbing way.

SMOOTH STEEL WIRE —A fair inquiry is experienced for hay-baling, but other sorts are quiet. We quote $3.15 for Nos. 6 to 9.

GALVANIZED WIRE — Business is light but prices are steady. We quote as follows: No. 9, $3.15; No. 12, $3 30; No. 13, $3 45; No. 15, $5.15, and No. 16, $5.30.

FINE STEEL WIRE—Higher, with discounts 15 per cent.

BRASS AND COPPER WIRE — Business quiet, with discounts at 50 and 2½ per cent. on brass and 45 and 10 per cent. on copper wire.

FENCE STAPLES — Unchanged at $3.25 for bright and $3.80 for galvanized per keg of 100 lb.

FINE STAPLES—Much the same. Discounts are: Cooper, 55; poultry netting, 45, and electrician, broom, bed, etc., 40 per cent. off.

WIRE NAILS—Prices are higher at $3.05 base, with 70 per cent. discount on the miscellaneous list.

COPPER WIRE NAILS—Steady, but quiet, at 50 per cent. discount.

CUT NAILS—Trade dull and prices steady on the basis of $2.25 per keg f.o.b. the usual delivery points.

FLOUR BARREL NAILS — Unchanged: Flour barrel 30 and coopers' nails 35 per cent. discount.

BOAT NAILS—Without activity, discount 33⅓ per cent. for black and galvanized.

GALVANIZED ROOFING NAILS—As last reported, at 8c. per lb., with 15 per cent. discount.

PRESSED SPIKES — Quiet and steady, at 30 per cent. discount.

HORSE NAILS—Continue dull, with discounts at 50 per cent. on standard and 50 and 20 on other brands.

HORSESHOES—The tone is firm under a better inquiry, and an advance is not improbable on these goods. We quote: Iron shoes, light and medium pattern, No. 2 and larger $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4; X L steel shoes, new light pattern, No. 2 and larger, $3.90; No. 1 and smaller, $4.15; featherweight, all sizes, Nos. 0 to 4, $5.15; and toe weight steel shoes, all forward, all sizes $6.25 f.o.b. Montreal, St. John, N.B., and Halifax, N.S. Delivered f.o.b. in Toronto, Hamilton, London and Guelph 10c. per 100 lb. extra.

To the Stove and Tinware Trade.

If you attend the Industrial Exhibition, Toronto, or the Western Fair, London, we extend to you a cordial invitation to visit us. Our travelling staff will be on hand to welcome you. . . . . .

At London we have some special jobbing lines to offer.

McCLARY MFG. CO.

LONDON - - - 14, 16, 18 Bay St., TORONTO

We're making every inch of galvanized iron we can, and can't fill orders; but nobody waits, except off-and-on buyers. Quality same as ever.

Apollo Iron and Steel Company, Pittsburgh.

Cements { PORTLAND, ROMAN, KEENE'S

Bricks . . { FIRE, BUILDING, PAVING

Sand . . . { SILICA FIRE, MOULDING, BUILDING

F. HYDE & CO.

31 Wellington street, MONTREAL

English Castor Oil

GUARANTEED PURE.

Pharmaceutical, Tasteless, Cold Drawn
First Pressure
Second Pressure

In cases of 2 tins and in barrels. Stocked by all Hardware, Oil and Color men.

The Hull Oil Manufacturing Co.
LIMITED

B. & S.H. THOMPSON & CO.
Agents for Canada - MONTREAL

CANADA IRON FURNACE CO., Limited

Manufacturers of

CHARCOAL PIG IRON

MONTREAL.

BRAND "C.I.F." THREE RIVERS

PLANTS AT

Radnor Forges, Que. — Three Rivers.
Lac a lac Tortue. — Grand Piles.

Geo. E. Drummond,
Managing-Director and Treasurer

SCREWS — The firm feeling is retained and business is fairly active. Discounts are as follows: Flat head, bright, 80 and 5 per cent.; round head do., 75 and 5; flat head, brass, 75 and 5; round head do., 67½ and 5.

BOLTS — A good movement is still to be noted. Discounts are as follows: Carriage bolts, 5-16 and smaller, 55 per cent.; ⅜ and up, 50 per cent.; full square bolts, 65 per cent.; machine bolts, 55 per cent.; coach screw bolts, 67½ per cent., and sleighshoe bolts, 72½ per cent.

NUTS AND WASHERS—In good inquiry. We quote as follows: Square, 3¾c. and hexagon 4¼c. per lb.; discount off list. Washers in 50-lb. boxes are 50 per cent. discount.

CORDAGE — Rope continues to advance, another rise being noted this week, this time of a full cent both on sisal and manila. Demand has been more active since this latest change. We quote: Manila, 7-16 and up, 15c.; ⅜, 15½c., and ¼ and 5-16, 16½c. Sisal, 12½c. for 7-16 and up; 13c. for ⅜, and 14c. for ¼ and 5-16.

WRINGERS — Trade quiet at $48 to $60, as to brand, with 45 per cent. off.

BUILDING PAPER—Business is much the same. We quote: Plain building, 28c.; tarred lining, 35c.; tarred roofing, $1.40, and carpet felt, $2.25.

RIVETS — Unchanged. Discounts are: Black and tinned, 45 per cent.; ditto burrs, 40 per cent.; copper rivets and burrs, 35 per cent.

CEMENT—There is no change in cement. We quote: Belgian, $1.90 to $2.10; English, $2.30 to $2.40, and German, $2.45 to $2.65, per cask ex wharf.

FIREBRICKS—Active and steady at $17 to $23 per 1,000, as to brand.

METALS.

There is a good inquiry for forward delivery for all leading lines of heavy iron and metals, and the upward disposition of values continues.

PIG IRON—It is impossible to secure a reliable quotation on either domestic or foreign pig iron.

BAR IRON—There is a brisk demand both for prompt and forward delivery, and we quote $2.10 to $2.15 f.o.b. Montreal.

BLACK SHEETS—These are strong, and quotations are unchanged, but an advance is not unlikely. We quote: 8 and 15, $2.60; 18 and 20, $2.30; 22 and 24, $2.50; 26, $2.60, and 28, $2.65.

HOOP IRON—Firmly held at $3.25.

STEEL—Unchanged. We quote: Sleighshoe and tire, $2.60; spring, $2.75; machinery $3.25, and toe calk, $3.10.

GALVANIZED IRON — This material continues firm and the very inside figure for 28 gauge in case lots now is $4.75, and we

TINPLATES

"Lydbrook," Best Coke,
"Allaways," Charcoal,
"Dominion Crown," Best Charcoal,

are brands that you can swear by.

A. C. LESLIE & CO.
MONTREAL.

FOX

All-Steel Sash Pulleys

THEY require no Screws—this means a saving of a gross of screws on every six dozen Pulleys.
THEY can be applied quicker than any other Pulley.
THEY are cheap, strong and durable.

NO NAILS — NO SCREWS
JUST BORE — FOUR HOLES

AIKENHEAD HARDWARE CO.
Toronto.

ADAM HOPE & CO.
30 JOHN STREET N.
Hamilton, Ont.

PIG TIN

50 TONS STRAITS

Per S.S. "Macduff" and "Mesaba."
PROMPT SHIPMENT FROM
MONTREAL, TORONTO, HAMILTON.

NOVA SCOTIA STEEL CO.
Limited
NEW GLASGOW, N.S.
Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

quote $4.75 to $4.85, with No. 24 $4.15 to $4.50.

INGOT COPPER — Inquiry is good for copper, and prices firm at 19½ to 20c.

INGOT TIN — With small stocks prices have a firm tendency at 36c.

PIG LEAD—Though the outside markets are firm, spot prices are unchanged at $4.25.

LEAD PIPE — Business moderate and prices steady. We quote : Ordinary, 7c., and composition waste, 7½c., with 20 per cent. discount.

IRON PIPE — There is more approach to uniformity in the selling basis of this material than formerly, and prices this week may be quoted as follows : Black pipe, ⅛-inch, $3.41; ¼ and ⅜-inch, $3.30; ½-inch, $3.41 ; ¾-inch, $3.83 ; 1-inch, $5.51 ; 1¼-inch, $7.24 ; 1½-inch, $9.08 and 2-inch, $12.07 per 100 feet net. Galvanized, ¼-inch, $3.62 ; ⅜-inch, $4.18 ; ½-inch, $6.24 ; ¾-inch, $7.96 ; 1-inch, $11.24 ; 1¼-inch, $15.92; 1½-inch, $19.90; 2-inch, $25.97 ; 2½-inch, $33.93, and 3 inch, $46.76.

TINPLATES — Very firmly held. We quote as follows : Coke, I.C., $4.40 charcoal, I. C., Allaway or Comet brands, $4.80; do. I. X., $5.05; Lincoln, $5; P. D. Crown, $5.30; do. I. X., $5.80 ; Bradley's, $6.25.

CANADA PLATES—Values point upward and demand is fair. We quote : 52's, $2.60 ; 60's, $2.70; 75's, $2.80; full polished, $3.25 ; galvanized Canada plates, $4.55 for 52's.

TERNE PLATE—Unchanged at $7.50.

SWEDISH IRON —Continues strong, with supplies difficult to obtain at $3.40.

COIL CHAIN—The advance in coil chain, given last week, has had to be withdrawn, owing to the fact that some jobbers refuse to observe it, though it was based on the actual cost of laying down supplies. The revised prices are: No. 6, 11c.; No. 5, 9½c.; No. 4, 8½c.; No. 3, 7½c.; ¼-inch, $6.25; 5-16, $5; ⅜, $4.50; 7-16, $4.35; ½, $4.25; 9-16, $4.20; ⅝, $4.10; ¾, $3.90 ; ⅞ and 1 inch, $3.80.

SHEET ZINC—Prices are rather firmer this week at 7½ to 7¾c.

ANTIMONY—Prices on this metal have advanced 1c. to 11 to 12c.

SPELTER—Quiet, at $7.

GLASS.

Demand for window glass is increasing, and there is every indication of supplies running short. Accordingly, the feeling is firm, and higher prices are looked for. We quote as follows : First break, $1.90; second, $2 for 50 feet ; first break, 100 feet, $3.60 ; second, $3.80 ; third, $4.25 ; fourth, $4.50; fifth, $5 ; sixth, $5.50, and seventh, $6.

PAINTS AND OILS.

There is a fair movement of trade for the season of the year. A further reaction in prices of turpentine in the South has caused a modification of 3c. on the spot price. Dry white lead is firm as noted and seal oil is steady, as the bulk of the stock is held in few hands, and for this reason an advance is looked for. We quote :

WHITE LEAD—Best brands, Government standard, $6.00 ; No. 1, $5.62½ ; No. 2, $5.25 ; No. 3, $4.87½.

DRY WHITE LEAD—$4.75 in casks; kegs, $5.

RED LEAD—Firm ; casks, $4.50 ; in kegs, $4.75.

WHITE ZINC PAINT—Pure, dry, 8c.; No. 1, 6½c.; in oil, pure, 9c.; No. 1, 7½c.

PUTTY —We quote : Bulk, $1.65 ; bladders, in bbls., $1.80; bladders, in cases, $1.95; in tins, $2.05 to $2.30.

LINSEED OIL — Raw, 57c. ; boiled, 60c., five to nine-barrels, 1c. less, ten and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—Single barrels, 72c.; two to four barrels, 71c.; five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Firm; $1.10 to $1.30 per gallon.

CASTOR OIL—Firm ; 7½ to 8c.

SEAL OIL—33 to 35c.

COD OIL—32½ to 35c.

NAVAL STORES—Fair demand for all lines, and prices show no change: Resins, $2.75 to $4.50, as to brand; coal tar, $3 to $3.50; cotton waste, 4½ to 5½c. for colored, and 6 to 7½c. for white; oakum, 5½ to 6½c., and cotton oakum, 9 to 11c.

PETROLEUM.

There has been a fair inquiry for this material. We quote : Crown Acme, the new Sarnia oil, 17c,; Perfection and Silver Star, Canadian refined, 16c.; and Pratt's astral, 20½c., in small quantities.

HIDES.

There has been no change in these. We quote : Lambskins, 50c.; beef hides, 7 to 9c., as to grade.

COAL.

Firm. We quote as follows : Stove, $5.75; chestnut, $5.75; egg, $5.50; Scotch grate, $6; Scotch steam, $4 to $4.50; Tower ports steam, $3.50 to $3.75.

MONTREAL NOTES.

There has been a decline of 3c. in the price of turpentine.

Another sharp advance of 1c. has been established on sisal and manila rope.

Values on antimony have been marked up 1c. all round, and are firm at the rise.

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON' KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL


COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps. Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS
BALL BEARINGS

Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA

COATES' CLIPPERS

HAND AND POWER, easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel, and will not heat. 1899 catalogue ready.
Coates Clipper Mfg. Co.
WORCESTER, MASS.



Pullman Sash Balance Co.
Makers of the
"Pullman" Hardware Specialties
Main Office and Works,
Rochester, N.Y., U.S.A.
On sale all round the globe.

Size, ⅜-inch.

Cheapest IN THE WORLD.
J. M. LITCHFIELD
458 Quincy St.,
Brooklyn, N.Y.

FOR SALE—
Trip Punch, Turning Lathe, Spinning Lathe, Emery Wheel, Milling Machine, Four Spindle Drill, Gear Cutter, Buffing Gig, Shafting, Hangers, Pulleys—in good order, a bargain.
Wanzer Lamp and Mfg. Co., Hamilton, Ont.

The net inside price on No. 28 galvanized iron has been advanced to $4.75 this week.

There is more uniformity in the selling price of iron pipe owing to a revision in prices made this week.

The sale of a round lot of 4,000 barrels Belgian cement was made this week at $1.95 ex wharf here to an Ontario buyer.

Owing to the action of some jobbers, the advance in coil chain has had to be modified, though it was on a parity with the cost of laying down fresh supplies.

JUST WHAT PRACTICAL PEOPLE WANT.

Our Metallic Ceilings and Walls

are not only handsome, but remain so—their durable beauty makes them popular.

We make an immense variety of designs suited for any public or private building—with borders, mouldings, etc., to match.

They are easily applied, as we furnish working drawings for each job—and they give artistic, fireproof and sanitary satisfaction.



Sample Design, No. 229.

These goods are selling well, everywhere—better write for our catalogue and keep some in stock.

THE METALLIC ROOFING CO., Limited

1179 King St. W., TORONTO,

ONTARIO MARKETS.

TORONTO, September 15, 1899.

HARDWARE.

THE feature of the wholesale trade this week is the all-round advance in the price of wire and wire nails. The base price of smooth wire and wire nails is 15c. higher, and the discount on fine steel wire has been reduced to 15 per cent. The volume of business in general hardware keeps good. Wire nails are still moving fairly well, and a nice demand is still to be noted for hay-baling wire. Cut nails rule quiet. Screws and stove bolts continue in active request. Business in rivets and burrs continues good. Rope is firmer, although local jobbers have made no further change in their figures.

BARBED WIRE—There is practically nothing doing, and the local quotation of $3 25 is nominal. This price is lower than the Pittsburg price, where the f.o.b. figure to retailers is $3.40 in carlots and $3.50 in smaller quantities.

SMOOTH STEEL WIRE — The base price has been advanced 15c. per 100 lb., the figure now being $3.15 f.o.b. factory. The demand keeps good for hay-baling wire, but there is not much doing in oiled and annealed.

GALVANIZED WIRE — Business is quiet and prices as before. We quote as follows: Nos. 6, 7, 8 gauge, $3.60; No. 9, $3.10; No. 10, $3.70; No. 11, $3.75; No. 12, $3.20; No. 13, $3.45; No. 14, $4.10; No. 15, $4 70; No. 16, $4.85.

WIRE NAILS — There has been an advance of 15c. per keg in the base price, and the discount on the miscellaneous list is 70 per cent. instead of 70 and 5. The base price to retailers on car lots is now $3 02½, and for smaller quantities, $3.10 per keg f.o.b. Toronto. The demand for wire nails keeps good.

CUT NAILS—These are still quiet and featureless at $2.25 f.o.b. Toronto, Hamilton and London.

HORSE NAILS—The volume of business continues light. We quote: Standard, oval head, 50 per cent.; Acadia countersunk head, 50 and 20 per cent.

HORSESHOES — Trade is moderate, but without any special features. We quote, f. o. b. Toronto, Hamilton, London and Guelph, as follows: No. 2 and larger, light, medium and heavy iron shoes, $3.60; snow shoes, $3.85; light steel shoes, $4.00; featherweight shoes, all sizes, $5.25. No. 1 and smaller, light, medium and heavy iron shoes, $3.85 per keg; iron snow shoes, $4.20; light steel shoes, $4.15; featherweight steel shoes, all sizes, $5.25,

SCREWS — Trade in this line continues decidedly brisk at steady prices. We quote as follows: Flat head bright, 80 and 5 per cent. off the list; round head bright, 75 and 5 per cent.; flat head brass, 75 and 5 per cent.; round head brass, 67½ and 5 per cent.; flat head bronze, 67½ and 5 per cent.; round head bronze, 62½ and 5 per cent.

BOLTS — The demand for stove and carriage bolts continues brisk. For the former it is particularly so. We quote: Norway bolts, full square, 65 per cent.; common carriage bolts, 5-16 and under, 55 per cent.; ditto, ⅜ and larger, 50 per cent.; ditto, full square, 65 per cent.; machine bolts, all sizes, 55 per cent.; coach screws, 67½ per cent.; sleighshoe bolts, 72½ per cent.; blank bolts, 55 per cent.; bolt ends, 62½ per cent.; nuts, square, 3¾c.; nuts, hexagon, 4¼c.; tapping nuts, 60 per cent.; tire bolts, 60 and 10 per cent.; stove bolts, 60 and 10 per cent.

ROPE— Although manufacturers' prices are firmer, local wholesalers' figures are unchanged. The demand is light. We quote: Sisal, 7-16 in. and larger, 11½c. per lb.; ⅜ in., 12c.; ¼ and 5-16 in., 12½c. Manila, 7-16 in. and larger, 14c. per lb.; ⅜ in., 14½c.; ¼ and 5-16 in., 15c.; New Zealand, 11c. per lb.; Deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 10c. Clotheslines, 48 feet, 90c.; 60 feet, $1.20; 72 feet, $1.50; 100 feet, $2.

RIVETS AND BURRS — The demand for these lines continues brisk. We quote: Carriage section, wagon box, rivets, etc. (steel), 60 per cent. off the list; ditto (Norway iron), 60 per cent.; black M rivets (steel), 55 per cent.; ditto (Norway iron), 45 per cent.; iron burrs, 40 per cent.; copper rivets, 35 per cent.; bifurcated, with box, $1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

CHURNS — A moderate trade only is still to be noted. We quote as follows: Metal frame — No. 0, $3; No. 1, $3.20; No. 2, $3.40; No. 3, $3.75; No. 4, $4.50; No. 5, $5.90. The price of wooden frames is 15c. per churn less than the above. Terms, 3 per cent. off 30 days f.o.b. Toronto.

WRINGERS—Business is quiet and featureless. We quote: "Leader," $60 per doz.; "Royal Canadian," $58; "Royal American," $48. Prices are all f. o. b. Toronto, Hamilton, Brockville, and Montreal. Discount, 45 per cent. Terms, four months, or 3 per cent. 30 days.

BUILDING PAPER — Trade is still only moderate. We quote: Plain building, 28c. per roll; tarred lining, 35c., according to quality; tarred roofing felt, $1.40 per 100 lb.; carpet felt, $2.25 per 100 lb.

WARE — Enameled ware is still in good demand, and a moderate trade is to be noted in tinware.

John Bowman Hardware & Coal Co.,

LONDON, ONT.

Our Fall stock is now complete and we can supply at the best figures, **AXES, SAWS, LANTERNS, CORDAGE, CHAIN, WINDOW GLASS, PAINTS, OILS,** etc. Our importation of **CUTLERY, SKATES, ENGLISH GUNS, SHOT SHELLS, BLACK and SMOKELESS POWDER, SHOT, WADDING,** etc., now in.

Our Motto: Prompt Shipment, Right Prices.

STOVES AND FURNACES—Manufacturers in these lines are extremely busy; so much so, in fact, that they are unable to fill orders promptly.

CEMENT—There is a big movement for building purposes, but the demand for paving is smaller than it has been of late. Prices are firm. We quote in barrel lots as follows: Canadian Portland, $2.65 to $2.90; English do., $3; Canadian hydraulic cements, $1 to $1.10; calcined plaster, $1.90; asbestos cement, $2.50 per bbl.

METALS.

The metal market is still characterized by a great deal of firmness, while the demand is, on the whole, good.

PIG IRON — The demand for pig iron exceeds the supply. The figure for Hamilton iron is $23, either for prompt or future shipment.

BAR IRON—The demand is still active, the mills finding it difficult to supply the demand. Prices are firm at present quotations, and higher figures within the next few weeks are not at all improbable. We still quote $2.15 in small quantities, and $2.10 in carlots.

BLACK SHEETS—Trade continues fairly active in this line. The ruling price for 28 gauge is $3.25.

GALVANIZED IRON — While $5 still represents the ruling quotation, 28 gauge can be bought at slightly lower figures. This is due to the competition amongst the various jobbers. The outside markets rule strong, and the demand locally is good. American galvanized iron is quoted at $4.90.

COPPER—The market rules steady as to price. Ingot copper is in fair demand, and some business is being done in sheet. We quote: Ingot copper, 20 to 21c. per lb. and sheet, 23 to 23½c. per lb.

PIG TIN — The early part of the week witnessed some sharp advances on the London market, and there was some appreciation in values in New York. Since then there has been a little irregularity, but it was not of much importance. The local price is unchanged at 37c.

TINPLATES—There is an active demand for 20 x 28, but this is about the only size that is selling well. Some difficulty is being experienced in supplying 20 x 28. The outside markets are firm.

IRON PIPE—The position is still decidedly strong, although prices locally are unchanged. Business continues brisk. Quotations on black pipe are: ¼ to ⅜ inch, $3.35; ½ inch, $3.40; ¾ inch, $4; 1 inch, $5.50; 1¼ inch, $7.35; 1½ inch, $9.25; 2 inch, $12.50; 2½ to 6 inch, discount off the list 45 per cent. Galvanized pipe is quoted as follows: ½ inch, $6.50; ¾ inch, $8; 1 inch, $11; 1¼ inch, $15.25; 1½ inch, $19; 2 inch, $27.

PIG LEAD — Trade is quiet and prices unchanged at 4½ to 4¾c. per lb.

LEAD PIPE — A fairly good business is being done. We quote: Ordinary pipe, 7c.; waste, 7½c. Discount, 20 per cent.

RANGE BOILERS—Business is fair, with prices firm. We quote: Galvanized, 30 gals., $9; 35 gal., $10; 40 gal., $11. Copper, 30 gal., $22; 35 gal., $26; 40 gal., $30; discount off copper boilers, 10 per cent.

SHEET ZINC—Business continues fair. We quote: 8¼ to 8½c. per lb.

SPELTER—The outside markets are a little lower. Locally, there is no change, however, our quotation still being 7½ to 7¾c. per lb.

SOLDER—The price is firm and the demand good. We quote: 21 to 22c. for half-and-half; 20 to 21c. for refined, and 18 to 19c. for wiping.

PAINTS AND OILS.

A brisk trade is being done, all materials moving freely. A general firmness is reported. Varnishes continue to stiffen. Red lead is 10c. per cwt. dearer. Linseed oil is firm but unchanged. The decline of 5c. per gal. in the price of turpentine last week has steadied that product, which is firm here at present. Other materials are steady at unchanged figures. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $6.12½; No. 1, $5.75; No. 2, $5.37½; No. 3, $5; No. 4, $4.62½; dry white lead in casks, $5.10.

RED LEAD—Genuine, in casks of 560 lb., $5.00; ditto, in kegs of 100 lb., $5.25 to $5.50; No. 1, in casks of 560 lb., $4.75; ditto, kegs of 100 lb., $5.

LITHARGE AND ORANGE MINERAL—Litharge, 6 to 6½c.; orange mineral, 7½ to 8½c.

WHITE ZINC—Genuine, French V.M., in casks, $7 to $7.25; Lehigh, in casks, $6.

PARIS WHITE—90c.

WHITING — 55c. per 100 lb.; Gilders' whiting, 85c.

GUM SHELLAC—In cases, 20c.; in less than cases, 24c.

PLASTER PARIS — Ordinary, $1.75 per barrel; New Brunswick, $2 to $2.20 per barrel.

PUMICE STONE—Powdered, $2.50 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, $1.10 per gallon; No 1 quality, 90c. per gallon.

SEAL OIL—59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9c. per lb. and 10c. for single tins.

LINSEED OIL — Outside western points (freight allowed): Raw, 1 to 4 barrels, 59c.; boiled, 1 to 4 barrels, 62c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE — Outside western points, freight allowed, 1 to 4 barrels, 72c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

From advices received by local jobbing houses, it would appear that import orders glass may not all be received before the

close of navigation. The jobbers here have done everything possible to get their orders, and the manufacturers in Belgium seem to have tried to fill their contracts. But they have been unable to produce the glass on account of the strikes of miners and glass-blowers. A good business is being done from stock, with prices firm. We quote window glass as follows : Star, first break in 50-foot boxes, $2.15, and in 100-foot boxes, $4 ; double diamond under 25 united inches, $6, Toronto Hamilton and London; terms 4 months or 3 per cent. 30 days.

OLD MATERIAL.

A good demand is reported for all materials. Deliveries are small. We quote as follows : Agricultural scrap, 55c. per cwt. ; machinery cast, 60c. per cwt. ; stove cast scrap, 45c.; No. 1 wrought scrap, 55c. per 100 lb.; new light scrap copper, 12½c. per lb.; bottoms, 11c. ; heavy copper, 15c.; light scrap brass, 7½c.; heavy yellow scrap brass, 10c.; heavy red scrap brass, 11c.; scrap lead, 2½c.; zinc, 3c ; scrap rubber, 4c.; good country mixed rags, 65 to 75c.; clean dry bones, 45 to 50c per 100 lb.

HIDES, SKINS AND WOOL.

HIDES -- A brisk demand continues, hence prices keep firm. We quote : Cowhides, No. 1, 8½c. ; No. 2, 7½c.; No. 3, 6¼c. Steer hides are worth ½c. more. Cured hides are worth 9c.

SKINS — Sheep and lambskins are 5c. dearer. Other prices are unchanged, though very stiff. We quote as follows : No. 1 veal, 8-lb. and up, 9c. per lb. ; No. 2, 7c.; dekins, from 30 to 35c.; culls, 15 to 20c. Sheep and lambskins are selling at 50c.

WOOL— The feeling is slightly improved, with the result that unwashed is 1c. dearer. There is little yet doing. We quote fleece at 14 to 14½c., and unwashed at 9c.

SEEDS.

Alsike is moving more freely, with jobbers offering $4 to $6 per bushel at outside points for good to choice lots. Extra fancy lots should bring about 25c. more than this figure. Very little red clover is moving. Dealers offer $4 to $4.25 for choice lots. A fair quantity of timothy is being jobbed out of store at $1.50 to $2 per bushel, accoreing to quality.

PETROLEUM.

A brisk trade is being done. Prices are firm. We quote in barrels, Toronto: Canadian, 14c.; Sarnia prime white, 14c.; Sarnia water white, 15c. ; photogene, 15½c. ; American water white, 16½c.; Pratt's astral, 18c.

COAL.

The activity reported is even greater than is usual at this season. We quote : Anthracite for August delivery at Buffalo bridges : Egg, stove and nut, $4.75 per gross ton, or $4.24 per net ton ; grate, $4.50 per gross ton or $4 01 per net ton.

MARKET NOTES.

Red lead is 10c. per 100 lb. dearer.

Smooth steel wire and wire nails are 15c. per keg higher, and the discount on fine steel wire has been reduced to 15 per cent.

WEIGHT OF STEAM AND WATER.

Everyone who is accustomed to reading engineering papers or books is constantly meeting the expression "weight of steam," and many of them are puzzled to understand how the gas steam can have weight that would be felt on weighing scales just the same as a gallon of water, remarks Locomotive Engineering. Yet, there is nothing more certain than the fact that a gallon of water converted into steam will weigh the same as it did before heat was applied to do the evaporating. If you put a gallon of water into a closed vessel and put a spirit lamp or other source of heat under it, and transmit sufficient heat to convert all the water into steam, it will weigh the same as the water did. But, if the steam was permitted to expand to the pressure of the atmosphere, it would occupy 1,644 times the space it occupied as water. The fact that it now fills much greater space does not in the least change its weight.

In the process of converting water into steam, the heat applied has no influence on the weight of water and steam. The mass remains the same weight that it had in the beginning. This proves the fallacy of an ancient belief that heat was a material substance that passed from a cold to a warm body, and added its own weight to the latter.

ADVERTISING IN CHURCH.

A contribution box in use in a church in Las Calles, New Mexico, has the spaces along the outside, inside and bottom rented for advertising purposes. One of the advertisements on the box reads :

He that giveth to the poor
lendeth to the Lord.

Ashquith gives 60 days' credit on carpets, stoves, woodenware and furniture.

Another is as follows :

The Lord loveth a
cheerful giver.
Benedict gives
Highest Prices for Butter.

—Plain Talk, Chicago.

Tenders for Telegraph Wire.

SEALED TENDERS addressed to the undersigned and endorsed "Tenders for Telegraph Wire," will be received at this office until Wednesday, the twentieth of September, 1899, for the supply of three hundred and thirty thousand pounds, or one hundred and sixty-five tons (of 2,000 lbs.), of No. 8, S. W. G. Galvanized Iron Telegraph Wire (354 to 365 lbs. per mile), delivered in bond, at the C.P.R. station at Vancouver, B.C., within four weeks from the date of acceptance of tender.

The quality of the wire and galvanizing must be such as will afford a test corresponding to the Felten-Guilleaume standard EBB ; having a constant (resistance x weight, per mile) under 5,700 ; breaking strain over 1,100 lbs , and taking not less than 20 twists in six inches. Weight of lengths without joint 90 to 112 lbs.

Also for delivery with the above, 1,000 lbs., or five tons (of 2,000 lbs.), No. 9 soft annealed Galvanized Iron Tie Wire. The coils to be distinctively tagged.

Tenders to state the price per 100 lbs., all charges included, in bond at Vancover as above.

Each tender to be accompanied by an accepted bank cheque, made payable to the order of the Hon. the Minister of Public Works, for an amount equal to ten per cent. of the bulk sum of the tender; this cheque will be forfeited if the party decline the contract, and will be returned in case of non-acceptance of tender.

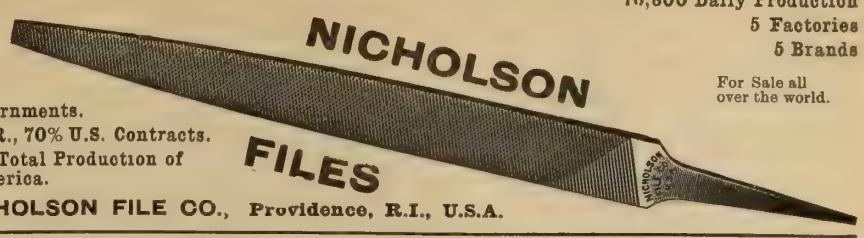
The Department does not bind itself to accept the lowest or any tender.

By order,
E. F. E. ROY,
Secretary.

Department of Public Works,
Ottawa, September 12th, 1899.

Newspapers inserting this advertisement without authority from the department will not be paid for it. (37)

76,800 Daily Production
5 Factories
5 Brands



For Sale all over the world.

16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of America.

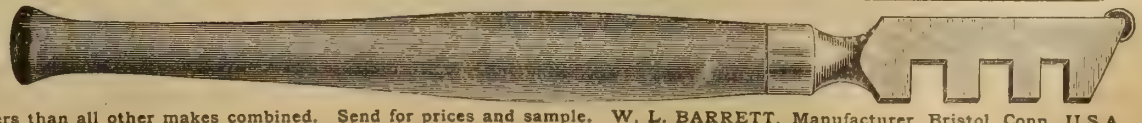
NICHOLSON FILE CO., Providence, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited. Established 1773.

Manufacturers of **Polished, Silvered, Bevelled Chequered, and Rough Plate Glass.** Also of a durable, highly-polished material called "**MARBLETTE,**" suitable for Advertising Tablets, Signs, Facias, Direction Plates, Clock Faces, Mural Tablets, Tombstones, etc. This is supplied plain, embossed, or with incised gilt letters. **Benders, Embossers, Brilliant Cutters, etc., etc.** Estimates and Designs on application.

Works : Ravenhead, St. Helens, Lancashire. Agencies : 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow 12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address; "Glass, St. Helens." Telephone No. 68 St Helens.

Barrett's Glass Cutters Standard



Barrett's Practical Glass Cutters are the standard the world over.

Sold by more Hardware Dealers than all other makes combined. Send for prices and sample. W. L. BARRETT, Manufacturer, Bristol, Conn., U.S.A

MANITOBA MARKETS.

WINNIPEG, Sept. 10, 1899.

THE shooting season being open there have been a great many parties going out shooting, but by all accounts the birds have had the best of it. The swamps are unusually full of water. Business continues good in almost all lines.

The McClary Manufacturing Co., Limited, report an enormous trade in stoves. They will occupy their handsome new warehouse about the end of this month.

Threshing is in full swing in many parts of the Province, and retail trade in sorting supplies of this kind is good. It is generally conceded that fully 50 per cent. of the crop is now threshed or in stack. The stacks this year are being much more carefully built, to avoid damage from wet weather, should the same occur. The weather at present is fine, warm, and with rather high winds; in fact, it is ideal weather for stacking and threshing.

The only changes for the week in our price list are the drop in shot, which is quite marked, and the advance of 50c. per cwt. on manila rope.

In spite of the short time now likely to be fine, new buildings are being started almost daily, and, from present outlook, there will be lots of work for the carpenters at inside finishing during the winter. This will prove a boon, as usually the season here is so very short in this trade. Since the building rush of 1882, probably this is the record year for new buildings in our city, but, unlike 1882, the buildings of 1899 are all of good material, well put together, and with all modern conveniences. In new houses, quite a number of acetylene gas plants are being installed.

Speaking of acetylene, these are the lamps par excellance for bicycles. In Winnipeg, the lamp by-law is most rigidly enfored, and as the additional city lighting is not yet in operation, it is most necessary that it should be so. The season of wheeling here is short enough, and few riders but desire to lengthen it to its utmost verge. The bicycle paths and the newly asphalted streets present a gay appearance about 9 p.m., for it is not unusual to meet 100 bicycles in the space of a block or two, all with the brilliant red and green lights that mark the acetylene lamps. A citizen with a taste for figures counted the number of wheels he met while driving the distance of a mile on north Main street, the other day. The total was 350.

The price list, revised to date, is as follows:

Barbed wire, 100 lb	$3 75
Plain twist	3 75
Staples	4 25
Oiled annealed wire, 10	3 72
" 11	3 79
" 12	3 85
" 13	4 00
" 14	4 12
" 15	4 20
Wire nails, 30 to 60 dy, keg	3 45
" 16 and 20	3 50
" 10	3 55
" 8	3 60
" 6	3 75
" 4	3 85
" 3	3 90
Cut nails, 30 to 60 dy	2 75
" 20 to 40	2 80
" 10 to 16	2 85
" 8	2 90
" 6	2 95
" 4	3 25
" 3	3 50
" 3 fine	3 80
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No. 1	4 25
No. 2 and larger	4 00
Snow shoes, No. 0 to No. 1	4 70
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 70
No. 2 and larger	4 45
Extra light	4 65
Bar and band iron, $2.65 basis.	
Swedish iron, $5 basis.	
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 12 gauge, 100 lb	3 25
14 to 26 gauge	3 50
28 gauge	3 75
Galvanized American, 16 gauge	4 25
18 to 22 gauge	4 50
24 gauge	4 75
26 gauge	5 00
28 gauge	5 25
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 55
26 gauge	8 80
28 gauge	8 00
Tinplate, IC charcoal, 20 x 28, box	10 50
" IX "	12 50
" IXX "	14 50
Ingot tin	38
Canada plate, 18 x 21 and 18 x 24	3 35
Sheet zinc, cask lots, 100 lb	9 00
Broken lots	9 50
Pig lead, 100 lb	4 50
Wrought pipe, black up to 2 inch	50 p.c.
" Over 2 inch	50 and 10 p.c.
Rope, sisal, 7-16 and larger	12 50
" ⅜	13 00
" ¼ and 5-16	13 50
Manila, 7-16 and larger	15 00
" ⅜	15 50
" ¼ and 5-16	16 00
Solder	22
Cotton rope, all sizes, lb.	15
Axes, per box	$6.00 to 8 00
Screws, flat head, iron, bright	75, 10 and 7½ p.c.
Round " "	70 and 10 p.c.
Flat " brass	70 and 10 p.c.
Round " "	65 p.c.
Bolts, carriage 5-16 and smaller	47½ p.c.
⅜ and larger	42½ p.c.
Machine	47½ p.c.
Tire	50 and 10 p.c.
Sleigh shoe	65 p.c.
Rivets, iron	37½ p.c.
Copper, No. 8, lb	33½ c.
Spades and shovels	40 p.c.
Harvest tools	60 p.c.
Axe handles, turned, s. g. hickory, doz	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 65
No. 1	1 25
Linseed oil, raw, per gal	61
" boiled "	64
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	40 p.c.
C.F. pistol	10 p.c.
C.F. military	Net.
Loaded shells, Robin Hood, M	$20 00
Eley's soft, 12 gauge	15 00
chilled, 12 guage	16 50
soft, 10 guage	20 00
chilled, 10 guage	21 00
American, M	16 25
Shot, Ordinary, per 100 lb	5 25
Chilled	6 00
Powder, F.F., keg	4 75
F.F.G.	5 00
Robin Hood	10 00
Tinware, pressed, retinned	70 and 2½ p.c.
" " plain	70 and 15 p.c.
Graniteware, according to quality	60 p.c.
Turpentine, by barrel	83c.
Less than barrel	88c.

NO REPEAT ORDERS.

An English paper of a recent date says: "The comments of English engineering experts who examined the American locomotives are by no means flattering, and it is confidently asserted that when (in the not-far-off future) the engines have to be sent to the repairing shop the verdict on their construction will be so unfavorable as to bar the placing of further orders. That this opinion is not due to mere insular prejudice on the part of makers in this country will be conceded when I mention that two French engineers, who inspected the Yankee locomotives at Derby, fully confirm the conclusions arrived at as to the inferiority of the imported machines to those of British make, alike in point of strength of construction and general excellence of workmanship."

THE ONTARIO LANTERN CO.'S NEW LINES.

The Ontario Lantern Co., Hamilton, are about to enlarge their factory and will put in new machinery for manufacturing a larger line of carbide lamps and lanterns for carriages, steamboat and camp use, as well as automatic gas lamps. They will also place on the market a line of bicycle bells, table bells, cow bells, electric gongs, etc., and will issue a catalogue of these lines early in the year.

CELLULOID FOR CUTLERY-HAFTING.

I am, of course, aware, in common with the rest of your readers, that the use of celluloid for cutlery-hafting is rapidly on the increase, but I must confess to a feeling of some surprise on seeing, a day or two ago, an order from a Sheffield cutlery manufacturer for no fewer than 3 100 gross of celluloid handles, or not far short of half a million, and the firm in question are not by any means the largest makers in Sheffield. —Ironmonger.



STANDAND GOODS.

Banner Cold Blast Lanterns.
Climax Safety Tubular Lanterns.
Victor Acetylene Bicycle Lamps.

Best material. Superior workmanship. Brilliant light.

Manufactured by

THE ONTARIO LANTERN CO.
HAMILTON, - ONT.

For sale by all prominent Hardware and Lamp Goods Merchants

THE OUTLOOK FOR FURNACES.

THE AMERICAN ARTISAN recently sent out circulars to furnace manufacturers in Canada and the United States asking for opinions as to the trade outlook in their particular branch of trade. Among those who responded was the McClary Mfg. Co., Limited, of London, Ont., who wrote as follows :

The outlook for the sale of furnaces this year is very good, being an improvement on that of last year.

Furnaces with the steel dome and low radiator are most popular in this market.

The proportion of first-class furnaces to cheaper grades is about three to one. We see no change in this respect for the present season.

The demand for hot-water boilers and combination furnaces is increasing. The better class of buildings are being heated in this manner.

We think the evolution is in favor of hot water, but hot-air furnaces will be a permanency in the country, stores and cheap buildings.

The sale of hot-water heaters interferes, to some extent, as above indicated, with hot-air furnaces. There is no steam-heating to any extent in this market.

There is little or no demand for soft-coal furnaces, soft coal being very little used in this country.

We find furnaces are going into nearly all the new houses built on farms.

The experienced furnace dealer is more in evidence than before. Manufacturers prefer to sell their furnaces to competent dealers than to put them in themselves.

The cost of furnaces has increased owing to the advance in wages, and the cost of materials.

The price of furnaces has advanced 10 per cent. as compared with that of 1898.

As the majority of the output for 1899 is already sold, no further advance is likely for this year.

Furnaces have not advanced in proportion to the cost of pig iron.

In order that the price of furnaces be increased in proportion to the cost of material and wages, at least 15 per cent. more should be added.

Effective organization would do a great deal to improve the state of the furnace trade, provided always, it was really effective.

In conclusion, we venture the opinion that the outlook for trade for 1899 and 1900 is satisfactory, but expect that the increased price of goods may cause a shrinkage in the orders, which, however, is not apparent at present.

HOTELS FIT FOR TRAVELERS.

The Maritime Commercial Travelers' Association has sent out a circular to its members stating that a hotel committee has been appointed to compile a list of hotels in the Provinces thought worthy of patronage of members of the fraternity. The circular states that, while there is a marked improvement in the hotel service of the Provinces, there are yet some about which complaints are received. The hotelman careless about his table or cleanliness of rooms will not be mentioned on the list, and not only will his name be omitted, but the association will offer its patronage to any good man who will establish a modern and well-conducted house in the same place.

The NEWEST, BEST and CHEAPEST article for all classes of bronzing work is

BULL'S GUINEA BRONZE FLUID

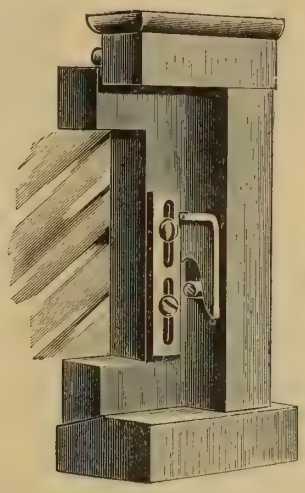
It goes farther, lasts longer and gives a better appearance than any other preparation now on the market. It has no objectionable smell, and does its work perfectly with but one coat.

Every dealer should handle this article, and every decorator, plumber, etc., should give it a trial.

THE ADAMS-IRWIN NOVELTY CO.

Sole Selling Agents for Canada. 207 St. James Street, MONTREAL.

Moore's Patent Improved Wrought Steel Storm-Window Fastener.



Inside Fastener.

Patented in United States and Canada.

THE only perfect Storm-Window Fastener yet invented. Over half a million sets now in use in the United States and Canada. Put up in one dozen sets ; four in a set. Packed with screws and directions. Large working model furnished with all orders of half a gross or over.

$1.75 a dozen.

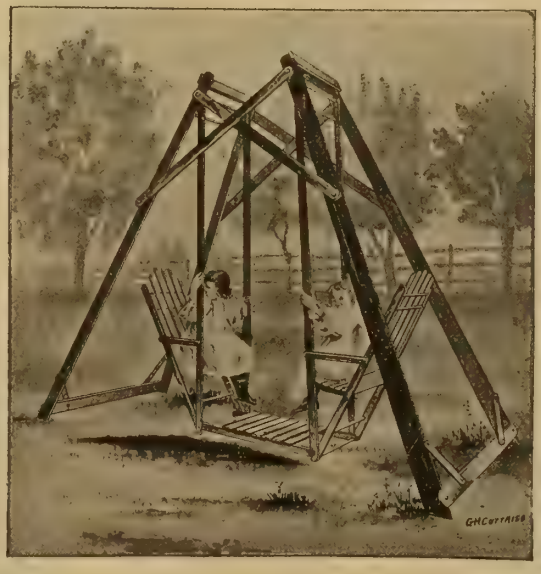
One gross sets in a case, $15.00 per gross.

SOLD TO THE TRADE.

Manufactured by

C. R. MOORE, Stanstead Junction, P.Q.

For Sale by **Rice Lewis & Son,** Wholesale Hardware, TORONTO, ONT.



The Leader Lawn Swing

Children's Delight, Satisfying to all, Perfectly Safe, Very Strong, Most Restful and Invigorating.

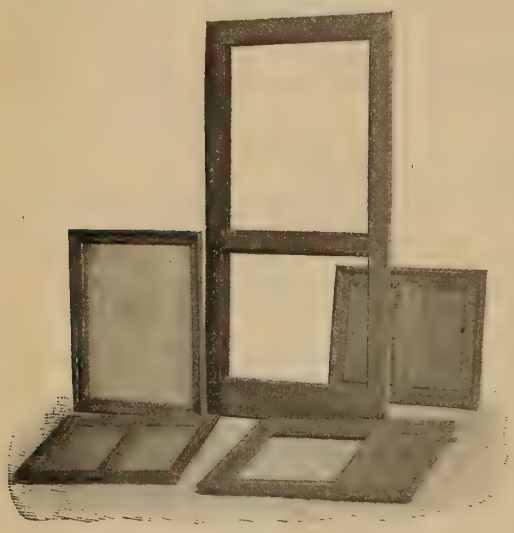
ORDER NOW.

THE DOWSWELL MANUFACTURING CO., LIMITED,

HAMILTON, ONT.

COMBINED STORM AND SCREEN DOOR.

A UNIQUE door is being made by Brown Bros. & Heyer, Newport, Vermont, and will be made in Canada by the inventor, C. R. Moore, as soon as a suitable location for manufacturing can be secured. The door practically comprises a storm and a screen door in one.



No. 1—The Various Parts of the Door.

The advantages of this door over the storm door in common use are such that it is likely to have a big sale in Canada. The cheap sheathing doors nailed together with battens have never been satisfactory, while an extra door for the summer is quite expensive. This new combination seems to meet the demand at a moderate cost.

The unique method of transposing the door from a storm door to a screen door, or vice versa, is well shown by the accompanying cuts.

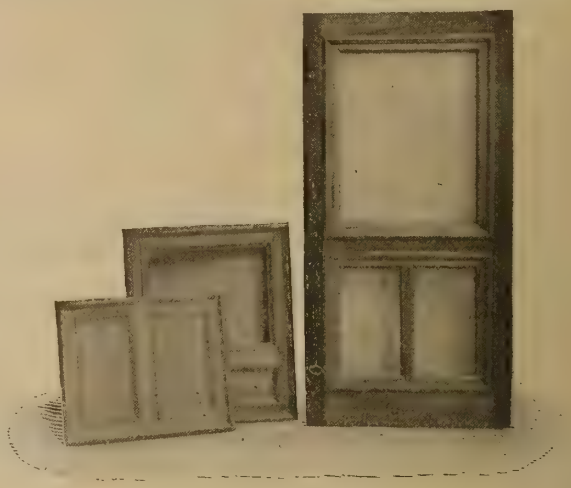
The first cut shows all the parts of the door. The large frame, when once hung, stays on the house the year around, and it is necessary to have a carpenter hang it but once. This does away with the necessity of having a new set of screws twice a year and of filling the door jamb and casing with new mortises and screw holes. Into this frame are fitted panels, either solid wood, or wood and glass for a storm door, or screen panels for a screen door.

The second cut shows the outside of the door with screen panels in position. It will be noticed that it has no different appearance from an ordinary screen door except that it is moulded, which improves its appearance.

The fourth view shows the door with the storm panels in position. It will be noticed that it has the appearance of an ordinary moulded outside door.

The panels, where they fit into the frame, as shown in the fourth cut, have two distinct shoulders which fit snugly against two corresponding shoulders in the frame. Then the joint is covered with a moulding, making a perfectly smooth and, also, a storm-tight door. The upper panel in this cut is fixed for glass, but it may be made either with a glass or all wood.

This cut also shows the inside of the door and the method of fastening the panels in. The top of the upper panel and the bottom of the lower panel are fitted with a hollow and round instead of with shoulders, as are the sides. This serves to fasten these parts and, at the same time, makes them perrectly storm-tight. The panels are firmly held to the middle rail of the door by latches, so that the only tool necessary to change the panels is a screwdriver. The change can be made in a few minutes without help of a carpenter, thus saving expense each fall and spring.



No. 2—As a Screen Door.



No. 3—As a Storm Door.

BIG PROFIT ON IRON MINES

The Nova Scotia Steel Company has made a large profit out of its investment in Newfoundland iron mines. It bought the property for $120,000 and after taking out iron enough to pay development expenses it has sold a part of the deposit for $1,000,000. The original owners are doubtless angry with themselves for selling so cheap, but their $120,000 was clear profit and their share of the transaction involved no risk. The Dominion Iron Company, which now owns the property, considers it worth several times what was paid for it, so that the mine has proved profitable all around so far as it has gone. —Sun, St. John, N.B.



No. 4—Method of Fastening Panels.

PATENT REPORT.

Below will be found a list of United States patents granted to Canadian inventors. This list is prepared specially for this paper by Marion & Marion, solicitors of patents, New York Life Building, Montreal, who will send their "Inventor's Help" free to any address: 632640, Samuel W. Butterfield, Three Rivers, P.Q., log sawing machine; 632446, Charles S. Davis, Freeman, Ont., wire splicer; 632367, Alfred Robinson, Abercorn, Canada, curd agitator; 632540, Robert W. Sampson, Quebec, Canada, puncture closer for pneumatic tires; 632287, W. J. Walsh, Hamilton, Ont., telephone number and address annunciator; 632391, Abraham & Marmier, Paris, France, ozone generator.

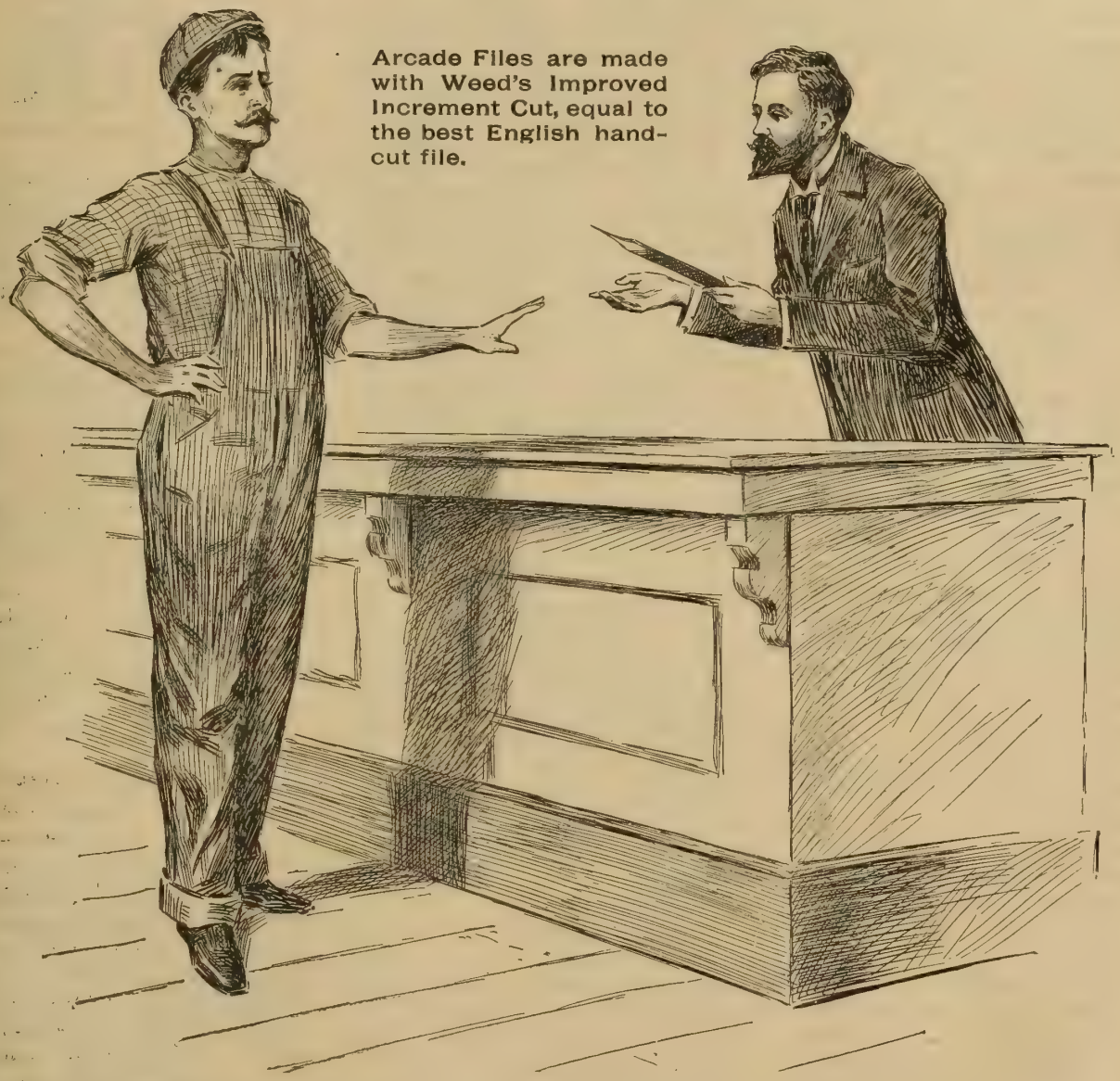
Sanders & Co., general merchants, Emo River, Ont., have opened a branch at Fort Francis.

The WORLD'S GREATEST FILE WORKS

ESTABLISHED 1842.

There is no other file "just as good."

THE ARCADE IS THE BEST



Arcade Files are made with Weed's Improved Increment Cut, equal to the best English hand-cut file.

"I want an ARCADE file."
"We are all out of ARCADE files. Try this; it is just as good."
"No, Sir. I want the ARCADE. It cuts faster and wears longer than any other file made."

THE ARCADE FILE WORKS

NEW YORK:
97 Chambers St.
SAMUEL W. ALLERTON,
President.

Works: ANDERSON, IND.
COURTLANDT C. CLARKE,
Sec. and Treas.

CHICAGO:
118 Lake Street.
ALFRED WEED,
Vice-President and Gen'l Mgr.

HEATING AND PLUMBING

POUNDING IN STEAM PIPES.

WHERE steam-heating is adopted extensively thumping or pounding in the pipes often takes place, and the phenomena has been variously accounted for. According to an expert who has recently been investigating the matter, the knocking is caused by water, not air. Water, he says, formed by the condensation of some of the steam, settles into parts of the pipes, or in other parts of the steam-heating apparatus, where opportunity for the formation of traps offers, and when enough of it gathers it shuts off the flow of steam. Then the steam gathers head against, until able to push the water along partly out of its way, and a great bubble of steam rushes past into the pipe beyond, making the pipe vibrate as if struck on the outside with a hammer. The moment the bubble of steam passes, the pressure behind the water is reduced and the water runs back again, closing the passage way. Another bubble of steam is soon forced past and then another, and this process continues until the steam heats the pipes and surrounding air enough to stop the rapid condensation which first formed the obstructing pool, and also to evaporate and dissipate the pool itself. In particular cases a second and perhaps a third pool will form in the same place before the pipes get hot enough to stop such action. In these cases the pounding continues for a time, then stops, and then pounds again before the final stoppage.

The authority in question goes on to say there are many causes of these collections of water, but the most prolific one is an improper alignment of the steam pipes, by which there is left between the boiler and the radiators a sag in a pipe. In order to get heat from the steam, the steam must circulate through the pipes to the radiators and then return to the boiler in the form of either wet steam or water. Any spot in the whole system where this water can lodge will obstruct this circulation and cause a pounding. Other traps are found at times in globe valves where the steam has to dive down under a diaphragm to get through the valve. This can be remedied by changing the position of the valve so that it stands at an angle of about 15 deg. from the vertical instead of straight up. In other cases the radiators are not level and water gathers in them and makes a trap. In a single-pipe system, where the steam is fed in and the water returns by one pipe and valve, this has been found to be caused, in a number of cases, by a lack of provision for the elongation of the pipes when they were heated. This expansion of the pipes will lift the end of the radiator where the pipe is attached, and make a trap at the other end.

TORONTO BUILDING PERMITS.

Building permits have been issued in Toronto to the Muntz estate for two pair of brick and stone residences on Bellwoods avenue, near Arthur street, to cost $3,500; John F. Logan, for a three-storey and attic brick residence on Callander street, Parkdale, to cost $2,500; to W. T. Blackwell, for a two-storey and attic brick residence Glen road, on the south side of Beau street, Parkdale, to cost $6,000; to W. J. Marshall, for a two-storey and attic brick residence on the west side of Jamieson avenue, near Queen street, to cost $4,000; to George Reidy, Barrie, dwelling on Lowther avenue, to cost $5,000; to Andrew Nelson, 403 Manning avenue, three pairs of cottages on Shaw street, near College street, to cost $7,500; to Alexander Leslie, alterations to south-east corner of Yonge and Adelaide streets, to cost $3,000; York County Loan and Savings Society, dwelling on Queen tsreet, near Triller street, to cost $5,400; also residence on Triller street, near Grafton avenue, to cost $2,700; and to W. J. Gage Co., for a brick addition to their warehouse at 56 Front street west, to cost $1,500.

CONTRACT FOR ST. MARYS WATERWORKS.

The contract for building the waterworks at St. Marys has been awarded to Harding & Leathorn, of London, Ont. The specifications call for all labor in connection with laying the cast iron pipe distribution system, comprising 1,000 feet of 10 inch pipe, 4,000 feet of 8 inch pipe, 10,600 feet of 6-inch pipe, and 8,000 feet of 4-inch pipe, setting 52 fire hydrants, setting 34 valves, furnishing material for and building 17 valve chambers, and setting 17 valve boxes. The contractor shall also furnish all materials required except the cast iron pipes, the pipe specials, the fire hydrants and the valves. No extra price is to be allowed for rock excavation, except in the case a pipe be laid on a street not shown on the distribution plan, when an extra will be allowed.

The contract for the new court house at Moose Jaw has been let to R. Baird, of that place, and the contract for the Regina land registry and public works office has been let to Willoughby & Mallard.

PLUMBING AND HEATING NOTES.

A. Loyer, contractor, Montreal, has assigned.

Chapleau & Ouimet, contractors, Montreal, have dissolved.

P. & M. Dagenais, contractors, Montreal, have obtained an extension.

The Nelson Coke and Gas Co., Nelson, B.C., are seeking incorporation.

Assignment has been demanded of John C. Murray, contractor, Montreal.

The Dominion Carbide Co., Limited, Ottawa, Ont., intends applying for a charter.

Cie Telephone Ruel & Morin have registered partnership as contractors in Windsor Mills, Que.

The power house at Niagara Falls, Ont., of the Niagara Falls Park and River Railway, has been burned.

The stock of Fogarty Bros., plumbers and steam-fitters, Ottawa, has been slightly damaged by fire; insured.

Tenders are asked for the construction of a sulphite pulp mill and for a large mill building at Sault Ste. Marie, Ont.

Architect R. C. John Dunn is preparing plans for a large brick office and warehouse building at Moncton, N.B., for F. P. Reid & Co.

J. J. Vopin, contractor, has been awarded the contract for building the new Gimili docks. He received word to this effect from Ottawa last night. Mr. Vopin will commence the work at once. —Free Press, Winnipeg.

In London building permits have been issued to Frank Cooper for the erection of a two storey brick residence on Princess avenue, near William street; to P. Taylor, for a two-storey frame dwelling on the west side of Thornton avenue, and to Thomas Loveless for a brick dwelling on Waterloo street.

Building permits have been issued in Hamilton to J. Cook for the erection of three brick dwellings on Murray street, between James and Hughson streets, to cost $3,300; to R. Buscombe for alterations to two houses on Hunter street, between Wellington and Spring streets, to cost $250, and to Thomas Leitch for a brick stable on Hannah street, between John and Catharine streets, to cost $250.

Work has been commenced on a business block in Brandon for J. R. Strome, of The Strome-Whyte Co., departmental merchants, which is to be one of the finest business blocks of the city. The building

SEALED TENDERS, addressed to the undersigned and endorsed "Tender for Cacouna Wharf," will be received at this office until Wednesday, 20th September next, for the construction of an extension to the wharf at Cacouna, Temiscouata County, Que., according to a plan and a specification to be seen at the Public Works Office, Post Office Building, Quebec, on application to the postmaster at Cacouna, Que., and at the Department of Public Works, Ottawa.

Tenders will not be considered unless made on the form supplied, and signed with the actual signatures of the tenderers.

An accepted bank cheque, payable to the order of the Minister of Public Works, for eight hundred dollars ($800.00), must accompany each tender. The cheque will be forfeited if the party decline the contract or fail to complete the work contracted for, and will be returned in case of non-acceptance of tender.

The Department does not bind itself to accept the lowest or any tender.

By order,
E. F. E. ROY,
Secretary.

Department of Public Works,
Ottawa, 25th August, 1899.

Newspapers inserting this advertisement without authority from the Department will not be paid for it. (37)

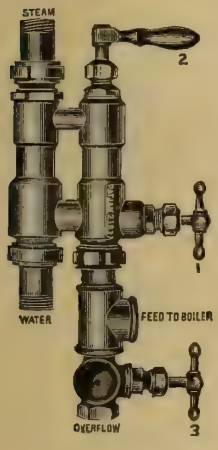


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BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon



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HANCOCK INSPIRATOR

This old established machine is proving itself universally the best Boiler Feeder for all uses.

Over 2,000,000 Sold.

Is a double tube machine. Has stronger working power than single tube machines.

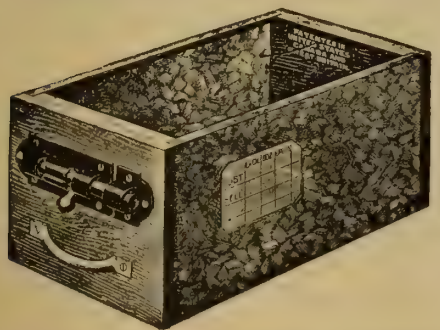
The genuine manufactured only by

THE

James Morrison Brass Mfg. Co, Limited,

TORONTO.

BENNETT'S PATENT SHELF BOX.



The best on the market, take up least room, are light, strong, and unbreakable. Thousands in use in United States, where they are known as Heller's Steel Shelf Box. Write for list and prices to the patentee and manufacturer,

J. S. Bennett, 20 Sheridan Ave., Toronto.

N.B.—Will be made to fit your present shelving.



FIBRE ELECTRIC

No. 98.

This is the second season this Oil Heater has been upon the market. It met with unusual success last season, and is, without a doubt, one of the handsomest Oil Heaters offered.

BRIEFLY DESCRIBED.

The **Base** is made from **Indurated Fibre,** which takes an elegant finish, is **light, tough,** and will **spring** and **bend** without breaking. The **Jacket** is **polished brass,** and the **Jacket Ring, Main** and **Urn Tops** are stamped **sheet steel,** highly polished and nickel plated.

The **Tank** and **Burner** is constructed entirely of **brass,** and can be **readily removed** from the stove for Trimming the wick, cleaning, filling, etc. The **Wick Raiser** is strong and positive in its action and cannot get out of order.

This Heater will operate positively **without smoke or odor,** as our burner is so adjusted that the flame **will not run up,** and should the wick be turned so high as to cause it to smoke, the flame will immediately recede to the proper point of combustion.

Water Reservoir in the Burner; the evaporation of the water creating a mild and healthful atmosphere in the room.

Ten-inch Circular Wick. Heating capacity, 1,500 to 2,000 cubic feet in cold weather. Height of stove, 38 in. Diameter of Base, 18 in. Weight, crated, 20 lbs.

A WINNER. Handsome Base. Deep Red Color.

THE COPP BROTHERS CO., Limited, HAMILTON

SEND for specimen copy of Phillips' Monthly Machinery Register, containing over 5,000 entries of new and second-hand machinery of every description. The oldest established and most successful medium in the world. Established 25 years for the purpose of introducing those who have machinery for sale, to those who wish to buy, has a circulation of about 50,000 copies per annum, all over the world, and is used for continual reference by a large number of firms. It is consequently a most valuable advertising medium for all engineers and manufacturers. Subscription, 6s. per annum, price per copy, 6d. Sole Proprietor, CHAS. D. PHILLIPS, M.I.M.E., Newport, Mon, England. Telegraphic address: "Machinery, Newport, Mon."

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ARE MANUFACTURERS OF

Plumbers' and Tinsmiths' Solder

of highest quality. Highest market prices paid for old Brass and Copper.

SYRACUSE SMELTING WORKS

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HARRINGTON & RICHARDSON ARMS CO.

WORCESTER, MASS., U. S. A.



Makers of

High Grade REVOLVERS

SEND FOR COMPLETE CATALOGUE.

For sale by Sporting Goods and Hardware Stores almost everywhere.

FOR YOUNG CANADIANS.

Don't wait until the iron's hot,
But make it hot by muscle.
Don't wait for the wealth your father's got,
Take off your coat and hustle.

What a year 1900 is to be! What a time for the young Canadian hustler—the rapid stenographer, the expert bookkeeper and the nimble telegrapher! They will all be wanted just as surely as that bright year is coming around. A start now will put you with the successful ones, and we can start you aright. Will you send us your name and let us tell you how? It is no trouble to us, and will benefit you.

W. H. SHAW, Prin. CENTRAL BUSINESS COLLEGE, Toronto, Ont.

Toronto Foundry Co.

Manufacturers of SOIL PIPE, FITTINGS, SINKS, BOILER STANDS.

Nos. 146-148-150 Niagara Street, TORONTO

The only Exclusive Manufacturers of Soil Pipe and Soil Pipe Fittings in Canada. . . . . .

All goods stamped T. F. Co. are warranted.

will consist of three or four stores on the ground floor, and a portion of the upper storeys will be laid out as bachelors' apartments, in thoroughly up-to date style, and with every convenience.

The building trades continue to rush work, such a vast amount of work remaining to be done before the season closes. In fact, it is a physical impossibility to carry out all the buildings now under construction. A number of other large blocks are projected which, it is said, even the wet weather will not deter from going ahead right through the winter.—The Province, Vancouver.

PLUMBING AND HEATING CONTRACTS.

Purdy, Mansell & Co., Toronto, have contracts for hot-water heating in seven houses in Parkdale for the York County Loan and Savings Co.; for plumbing in a residence on Park road, Rosedale, for the McCord estate; for plumbing and gas fitting in a residence for Dr. Webster, Bloor street west; for remodeling the plumbing in a warehouse on Front street west, for the Land Security Co.

A NEW ACETYLENE GAS COMPANY.

The McLean Acetylene Gas Co., St. James street, Montreal, is the newest gas generating company to claim public attention.

The machine made by this company is constructed on a very simple and entirely new principle, being easily handled and at the same time perfectly automatic, whilst fulfilling all the requirements of the Canadian Board of Underwriters. It is also much cheaper than some of its rivals.

Some of the principal features of this machine are: It generates its gas in small quantities, thus avoiding overheating and palmerization of the gas. The generator is surrounded by a large body of water, forming a large surface condenser, thus retaining all the good qualities of the acetylene and giving a brighter and more powerful light than gas generated in the ordinary manner.

The average quantity of gas from 1 lb. of carbide by the drop process is 4.05 cubic feet, whilst this machine has been proven to give 5.60 cubic feet. Another feature of this machine is that it uses the ordinary gas burners, burning 5 feet of gas per hour.

These machines are made in all sizes, from the largest allowed by the insurance companies to the smallest sizes used for lighting a private cottage.

The stock of Herman Lefkovitz, general merchant, Riviere-a-Pierre, Que., has been sold at 52c. on the dollar.

We Want Your Axe Order FOR FALL SHIPMENT.

Kindly hold it till our representatives call on you.

James Warnock & Co., - Galt, Ont.

COW TIES

Greening's Patent

We make the following:

Open Ring, six sizes.
Small Closed Ring, six sizes.
Large Closed Ring, six sizes.
Three Chain, six sizes.
Greening's Special Tie with Stall Fixtures, five sizes.

Our ties have stood the test for years and are undoubtedly the best in the market. Send for new price list. For sale by all jobbers.

The B. GREENING WIRE CO., Limited

HAMILTON and MONTREAL.



Geo. D. Wood & Co.

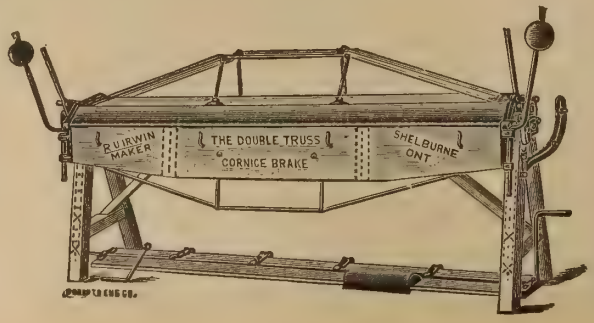
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Importers of and Dealers in

SHELF AND HEAVY HARDWARE, PAINTS, OIL, GLASS, PUMPS, ETC.

Stock now **complete** in seasonable lines. **Prompt** shipment.

Letter orders receive **special** attention.



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

Price, $50

Very handy beader attachment, $10 extra if required.

Send for circulars and testimonials to

The Double Truss Cornice Brake Co. SHELBURNE, ONT.

ALEXANDER GIBB

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Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates, Galvanized Sheets, Imitation Russia Sheets Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.



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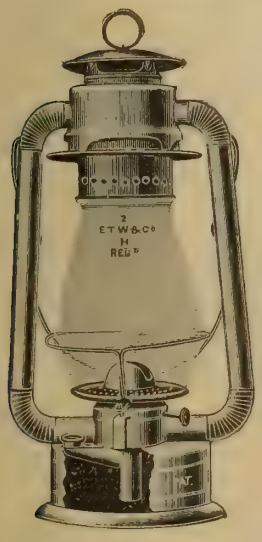
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No. 3 Patent Well.

"Oil wont spill if upset."



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Send for New Catalogue.

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"JARDINE" TIRE UPSETTERS WILL UPSET TIRES

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.
HESPELER, ONT.

CHAMPION FRUIT EVAPORATOR

Dries all kinds of fruits and vegetables. Suitable for home or market use.

Also a perfect evaporator for use on the kitchen stove.

CATALOGUE FREE.

THE G. H. GRIMM MANUFACTURING CO.,

84 Wellington St., Montreal.

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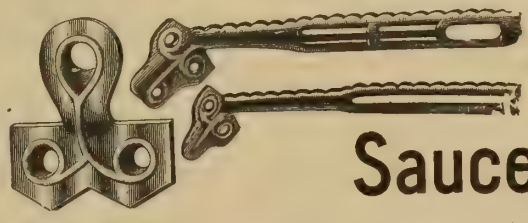
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BERGER BROS. CO., Philadelphia, U.S.A.



Gunn's Patent "Brassic" Goods

Made by an entirely new process.
Cheaper and better than old style.
Your stock not complete without them.

THE GUNN CASTOR CO., Limited
KNOX HENRY,
Canadian Agent, 220½ Board of Trade, MONTREAL.

EVERY ORIGINAL TIN HAS THIS IMPRESSION NOBLES & HOARE LONDON ENGLAND ON A WHITE CAPSULE

Nobles & Hoare.

CORNWALL ROAD STAMFORD STREET.

LONDON, ENG.

Manufacturers of

HIGH-CLASS VARNISHES ONLY

Which can be obtained direct from the works or from the principal Color Dealers in Canada.

HUTCHISON, SHURLY & DERRETT

DOVERCOURT TWINE MILLS.

1078 BLOOR STREET WEST, TORONTO.

Having equipped our Factory with entirely new machinery, we are prepared to furnish the best made goods in the market at closest prices and make prompt shipments.

Hand Laid Cotton Rope and Clothes Lines,
Cotton and Russian Hemp Plough Lines, plain and colored.
Cotton and Linen Fish Lines, laid and braided.
Netted Hammocks, white and colored, Tennis and Fly Nets.
Skipping Ropes, Jute, Hemp and Flax Twines.

WADE & BUTCHER'S

"SPECIAL" Razors

Are unequalled for quality and finish.

JAMES HUTTON & CO., - MONTREAL

Sole Agents for Canada.

CURRENT MARKET QUOTATIONS

Sept. 15, 1899.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—	
56 and 28 lb. ingots, per lb.	0 37
Straits	0 37

Tinplates.

Charcoal Plates—Bright.

	Per box
M.L.S., equal to Bradley.	
I.C., usual sizes	$6 50
I.X., "	7 75
I.X.X., "	9 00
J. R. & Co.—	
I.C	6 00
I.X	7 25
I.X.X	8 50
Famous—	
I.C.	6 25
I.X.	7 50
I.X.X	8 75
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	5 75
I.X.X. "	6 50
I.XXX., "	7 25
D.C., 12½x17	4 50
D.X.	5 25
D.X.X	7 25

Coke Plates—Bright.

Bessemer Steel—	
I.C., usual sizes	4 35
I.C., special sizes, base	4 50
20x28	8 75

Charcoal Plates—Terne.

Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 00
I.X., Terne Tin	9 25

Charcoal Tin Boiler Plates.

	Per lb.
Cookley Grade—	
X X., 14x56, 50 sheet bxs " 14x60 " " 14x65, "	0 07 — 0 07½

Tinned Sheets.

72x30 up to 24 gauge	0 07½ — 0 08
" 26 "	0 08 — 0 08½
" 28 "	0 08½ — 0 09

Iron and Steel.

	Base	Price
Common Bar, per 100 lbs		2 15
Refined " "		2 65
Horse Shoe		2 40
Hoop steel, 1½ to 3 in. base, extras for smaller sizes		2 75
Swedish " "	4 00	4 25
Sleigh Shoe Steel " base		
Tire Steel		
Machinery		2 65
Cast Steel, per lb	0 10	0 14
Toe Calk Steel		
Thos. Firth & Sons' Cast Steel	0 12	0 14
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker.	2 00	2 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½-inch	0 11
2 "	0 12
2½ "	0 14
"	

Steel Boiler Plate.

¼ inch	3 25
3-16 inch	3 40
⅜ inch and thicker	3 25

Black Sheets.

18 gauge	2 75
20 "	2 75
22 to 24 "	2 90
26 "	3 0
28 "	3 25

Canada Plates.

All dull, 52 sheets	2 75
Half polished	2 85
All bright	3 20

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ⅜ inch, $3 35 ; ½ inch, $3.40 ; ¾ inch, $4.00; 1 inch, $5.50 ; 1¼ inch, $7.35 ; 1½ inch, $9.25; 2 inch, $12.50. 2½ to 6 inch, discount 45 p.c.

Galvanized, ½ inch, $6.50; ¾ inch, $8.00 ; 1 inch, $11.00 ; 1¼ inch, $15.25 ; 1½ inch, $19.00 ; 2 inch, $27.00.

Galvanized Iron.

	G C.	Comet.	Amer.	Queen's Head
16 gauge				4 25
18 to 24 gauge	4 50			4 50
26 "	4 75			4 75
28 "	5 00			5 00

Less than case lots, 25c. per 100 lb. additional.

Chain.

Proof Coil, 3-16 in., per 100 lbs	
" ¼ " "	6 75
" 5-16 " "	4 75
" ⅜ " "	4 30
" 7-16 " "	4 15
" ½ " "	3 95
" ⅝ " "	3 85
" ¾ " "	3 75
Trace, per doz. pairs	3 60 — 5 90
Jack chain, iron, single, per doz. yards	0 13 — 0 50
Jack chain, double, per doz. yards	0 15
Jack chain, brass, single, per doz. yards	20 — 10

Copper.

Ingot.

English B. S., ton lots	0 20 — 0 21
Lake Superior	

Bolt or Bar.

Cut lengths, round, ½ to ⅞ in.	0 23½ — 0 25
" round and square 1 to 2 inches	0 23½ — 0 25

Sheet.

Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 23 — 0 23½
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 23 — 0 23½

NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.

Tinned copper sheets	0 26
Planished	0 32

Braziers. (In sheets.)

4x6 ft. 25 to 30 lbs. ea., per lb.	0 25½
" 35 to 45 " "	0 24½
" 50-lb. and above, "	0 23½

Boiler and T. K. Pitts.

Plain Tinned, per lb	0 28
Spun, per lb	0 32

Brass.

Roll and Sheet, 14 to 30 gauge, 5 per cent.

Sheets, hard-rolled, 2x4	0 24 — 0 25
Tubing, base, per lb	0 24 — 0 25

Zinc Spelter

Foreign, per lb	0 07½ — 0 07¾
Domestic "	

Zinc Sheet.

5 cwt. casks	0 08¼
Part casks	0 08½

Lead.

Imported Pig, per lb	0 04½ — 0 04¾
Domestic, per lb	
Bar, 1 lb	05¼
Sheets, 2½ lbs. sq. ft., by roll.	0 05 — 05¼
Sheets. 3 to 6 lbs., per sq. ft., by roll	0 04¾ — 0 05

NOTE.—Cut sheets ½ cent per lb. extra

Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 20 per cent. discount

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths, lists at 7½ cents.

Shot.

Ordinary, drop, $4.75 per 100 lb. ; chilled, $5.15 per 100 lb. F.O.B. Toronto ; terms 3 per cent. cash freights equalized on Montreal.

Soil Pipe and Fittings.

Discount, 50 and 10 per cent. on medium and extra heavy, and 50 per cent. on light.

Solder.

	Per lb.	Per lb.
Bar half-and-half	0 21	0 22
Refined	0 20	0 21
Wiping	0 18	0 19

NOTE.—Prices of this graded according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 11 — 0 11½

White Lead.

	Per cwt.
Pure, Assoc. guarantee, ground in oil, 25 lb. irons	6 1½
No. 1 do	5 75
No. 2 do	5 3½
No. 3 do	5 00
No. 4 do	4 62½
Robertson's Chemically Pure	6 12½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B. B. Genuine	8 12½
" " No. 1	7 25
James' genuine	7 20
" " No. 1	6 75

White Zinc Paint.

Elephant Snow White	0 08 — 0 09
Pure White Zinc	0 08 — 0 09
No. 1	0 06 — 0 07½
No. 2	0 05 — 0 06½

Dry White Lead.

Pure, casks	0 05⅛
Pure, kegs	0 05⅜
No. 1, casks	0 04⅞
No. 1, kegs	0 05⅛

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)

Pure, per gallon	1 00 — 1 10
Second qualities, per gallon	0 90 — 0 95
Barn (in bbls.)	0 70 — 0 90
The Sherwin-Williams Paints	1 30
Canada Paint Co's Pure	1 10 — 1 20
Robertson's Pure	1 00 — 1 10
Sanderson Pearcy's Pure	1 00 — 1 10
Toronto Paint and Color Co 's Pure	1 10 — 1 20

Colors in Oil.

(25 lb. tins, Standard Quality.)

Venetian Red, per lb	0 05
Chrome Yellow	0 11
Golden Ochre	0 06
French "	0 05
Marine Black	0 09
" Green	0 09
Chrome "	0 08
French Imperial Green	0 19

Colors, Dry.

Yellow Ochre (J. C.) bbls. per cwt	1 35 — 1 40
Yellow Ochre (J.F.L.S.), bbls. per cwt	2 75
Yellow Ochre (Royal), per cwt	1 10 — 1 15
Brussels Ochre	2 00
Venetian Red (best). per cwt.	1 80 — 1 90
English Oxides, per cwt	3 00 — 3 25
American Oxides, per cwt	1 75 — 2 00
Canadian Oxides, per cwt	1 75 — 2 00
Super Magnetic Oxides, 93 p c.	2 00 — 2 25
Burnt Sienna, pure, per lb.	0 10
" Umber, " "	0 10
do raw	0 09
Drop Black, pure	0 09
Chrome Yellows, pure	0 18
Chrome Greens, pure. per lb.	0 12
Golden Ochre	0 03¾
Ultra marine Blue in 28-lb boxes, per lb	0 08 — 0 24
Fire Proof Mineral, per 100 lb.	1 00
Genuine Eng. Litharge, per lb	0 07
Mortar Color, per 100 lb.	1 25
James' Gen. Red Lead, 100 lb	0 04⅞
Pure Indian Red, No. 45, lb.	0 08
Whiting, per 100 lb.	0 55

Paris Green.

250 lb. casks	0 13½
50 lb. drums	0 14
1 lb. packages	0 15
½ lb. "	0 15½
1-lb. tins	0 15½

Sulphate of Copper.

Casks, for spraying, per lb.	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bladders in bbls	1 80
Bladders in 100 or 200 lb. kegs or bxs	1 95
Bulk in bbls., per 100	1 65
Bulk in less quantities	1 80
25-lb. tins, 4 in case	2 05
12½-lb. tins, 8 in case	2 30

Quotations f.o.b. Toronto—10c. per 100 lbs. extra Hamilton, London, Guelph. For quantities less than 100-lbs., 2½c. per lb.

Varnishes.

(In 5-gal. lots.)		Per gal.
Carriage, No. 1	1 30	1 40
Extra do.	1 50	1 60
Body Varnish	3 40	3 50
Furniture Varnish	0 50	0 60
Extra do.	1 00	1 10
Demar Varnish		1 50
Hard Oil Finish	1 30	1 35
Orange Shellac Varnish	2 00	2 10
White Shellac	2 20	2 25
Rubbing Varnish		2 00
Brown Japan		0 75
Elastic Oak	1 20	1 30

Linseed Oil.

Raw, per gal. net	0 57
Boiled, per gal. net	0 60

Outside points 1c. more than above figures

Turpentine.

1 to 4 barrels, net	0 71

Outside points 1c. more

Castor Oil.

In cases, per lb	0 09
Small lots	0 10

Cod Oil, Etc.

Cod Oil, per gal.	0 50 — 0 55
Pure Olive	1 20
" Neatsfoot	90

Glue.

(In bbls.)

Common	0 08½ — 0 09
French Medal	0 12 — 0 12½
Cabinet, sheet	0 11 — 0 12
White, extra	0 16 — 0 18
Gelatine	0 22 — 0 30
Strip	0 16 — 0 18
Coopers	0 19 — 0 20
A1 clear	0 09

HARDWARE.

Ammunition.

Cartridges.

B. B. Caps. Dom., 50 and 5 per cent.

Rim Fire Pistol, dis. 45 p. c., Amer.

Rim Fire Cartridges, Dom., 50 and 5 p. c.

Rim Fire, Military, net list, Amer.

Central Fire Pistol and Rifle, 18 p.c. Amer.

Use Syracuse Babbitt Metal

IT IS THE BEST MADE



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds Machinery Bearings.

PIG TIN, LEAD, INGOT, COPPER, BRASS, NICKEL, ALUMINUM, ZINC SPELTER ANTIMONY, ETC., FURNISHED PROMPTLY.

Factories: 332 William St., MONTREAL, QUE. and SYRACUSE, N. Y.

Syracuse Smelting Works

Central Fire Cartridges, pistol sizes, Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.
Brass Shot Shells, 55 and 10 per cent.
Primers, Dom., 80 per cent.

Wads.

	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 00 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 33⅓ per cent.

Anvils.

Per lb	0 10	0 12½
Anvil and Vice combined each	....	4 50
Wilkinson & Co.'s Anvils lb.	0 09	0 09½
Wilkinson & Co.'s Vices..lb.	0 09¾	0 10

Augers.

Gilmour's, discount 50 and 10 p.c. off revised list.

Hollow, Stearn's, per dozen..	13 00	20 00
Adjustable, Stearn's, each..	4 50	6 50
Post-hole, Vaughan's, each..	60	90

AXES.

Chopping Axes—		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00
Bench Axes, 40 and 15 p.c.		
Broad Axes, 33⅓ per cent.		
Hunters' Axes	5 50	6 00
Boy's Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Bath Tubs.

Zinc	3 90	4 00

Copper, discount 40 and 10 p.c. off revised list
Steel clad, 20 per cent. discount off revised list. Boxing extra.

Anti-Friction Metal.

"Tandem" A	per lb.	0 23
" B	"	0 19
" C	"	0 11½

Magnolia Anti-Friction Metal, per lb. 0 25
F. O. B. New York or Chicago.

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent.

Door.

Gongs, Sargant's	5 50	8 00
" Peterboro', discount 50 per cent.		

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00
Blacksmiths', discount 60 per cent.		

Belting.

Extra, 50 per cent.
Standard, 50 and 10 to 50, 10 and 5 per cent.
Agricultural, 60 and 10 p.c.

Bits.

Auger.

Gilmour's, discount 50 and 10 per cent.
Rockford, Common, 70 to 70 and 10 per cent.
" Perfection, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent.

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind Rollers.

Annex, per doz	1 25	1 75
Mascott, "	1 35	1 85
Erminie, "	1 00	0 00

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Norway Bolts, full square	65
Common Carriage Bolts, 5-16 & under	55
" " " ⅜ and larger	50
" " " full square	65
Machine Bolts, all sizes	55
Coach Screws	67½
Sleigh Shoe Bolts	72½
Blank Bolts	55
Bolt Ends	62½
Nuts, square	5¾c
Nuts, hexagon	4½c.
Tapping Nuts	60
Tire Bolts	60 and 10
Stove Bolts	60 and 10
Stove rods, per lb	5½ to 6c.

Boot Calks.

Small and medium, per M	4 50	
Small heel, per M	4 25	

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis 37½ per cent.

Henis, No. 8, "		6 00
Henis, No. 9, "		7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Plain building, per roll		0 28
Tarred lining, per roll		0 35
Tarred roofing, per 100 lb		1 40
Coal Tar, per barrel		3 75
Pitch, per 100-lb		0 60
Carpet felt, per 100 lb		2 25

Bull Rings.

Copper, $2.50 for 2½ in. and $2 for 2 in.

Butts.

Brass.

Wrought Brass, net revised list.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel.

Fast Joint, dis. 60 and 10 per cent.
Loose Pin, dis. 60 and 10 per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.
Gen. Bronzed, per pair | 0 40 | 0 65

Cards.

Horse, per doz	0 60	1 00

Carpet Sweepers.

Bissell, per doz		22 50
World, "		27 75
Daisy, "		24 00
Star, "		18 00
Crown Jewel, per doz		29 00
Grand Rapids, "	24 00	33 00

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	2 65	2 90
English "	....	3 00
Belgian "	....	2 70
Canadian hydraulic	1 00	1 10

Figures are for barrel lots.

Chalk.

Carpenters, Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 60 and 5 per cent.
Warnock's, dis. 60 per cent.

Churns.

Revolving Churns, metal frames—No. 0, $3—No. 1, $3.20—No. 2, $3.40—No. 3, $3.75—No. 4, $4.50—No. 5, $5.90 each. Ditto, wood frames—15c. each less than above. Terms 4 months or 3 p.c off 30 days, f.o.b.

Cinder Sifters.

Per doz		1 25

Clips.

Axle dis. 65 per cent.

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 20 per cent. from factory.

Dies.

Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. per cent.

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Broad's, dis 75 per cent.
Warnock's, dis. 50 and 10 per cent.

Drills.

Hand and Breast.

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis. 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.

EARTHENWARE.

Closets, washout, plain		4 50
" " embossed		4 75
Closet connection		1 25
Basins, round 14 in		0 65
" oval, 17 x 14 in		1 55
" " 19 x 15 in		2 30

ELBOWS.

Stovepipe.

Per doz	0 85	1 70

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 45 per cent.

FILES.

Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Jowitt's, English list, 25 to 27½ per cent.
Mechanics' Star & File Mfg. Co. Discount 60 and 10 to 70 per cent.

FORKS.

Hay, manure, etc., dis., 60 and 10 to 60 and 5 p.c. revised list.

FREEZERS

Ice Cream,

White Mountain, 1 to 25 qt	1 35	13 50
Arctic, dis. 50 p.c.		

FRY PANS.

Acme, dis. 65 to 67½ per cent.

FRUIT PRESSES.

Henis', per doz	3 25	3 50

Shepard's Queen City, dis. 15 per cent.

GAUGES.

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

GLASS.

Window.

Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	Double Diamond Per 50 ft.	Double Diamond Per 100 ft
Under 26	2 10	4 00	3 50	6 00
26 to 40	2 30	4 35	3 75	6 65
41 to 50	....	4 75	....	7 25
51 to 60	....	5 00	....	8 50
61 to 70	....	5 35	....	9 25
71 to 80	....	5 75	....	10 50
81 to 85	....	6 50	....	11 75
86 to 90	....	7 25	....	14 00
91 to 95	....	....	....	15 50
96 to 100	....	....	....	18 00
101 to 105	....	....	....	21 00
106 to 110	....	....	....	24 00
111 to 115	....	....	....	28 00

16 x 16 10 per cent. off.

HALTERS.

Rope, ⅜ per gross	8 25	8 55
" ½ "	9 25	6 50
" ⅝ "	11 00	11 20
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis 5 to 10 per cent. Can. dis. 25 to 27½ per cent.

Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz., net	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pair	0 40	2 50

Fork

C. & B., dis. 45 per cent. rev. list.

Hoe.

C. & B., dis. 45 per cent. rev. list.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 45 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾	0 20

HANGERS.

Door, 4 and 5 inch, per pair	0 40	0 50

Lane's, 62½ per cent.

HARVEST TOOLS.

Discount, 60, 10, and 5 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent.

HINGES.

Blind, Parker's, dis. 60 and 10 to 65 per cent.
" Shepard's Noiseless, dis. 60 per cent.
" " Buffalo, dis. 60 to 70 p. c.

Heavy T and strap, 4-in., per lb		0 06
" " 5-in., "	....	0 05¾
" " 6-in., "	...	0 05½
" " 8-in., "	....	0 05¼
" " 10-in., "	....	0 05
Screw hook and hinge—		
6 to 12 in., per 100 lbs	....	3 75
14 in. up, per 100 lbs	....	3 00

	Per gro. pair
Spring	8 50

HOES.

Garden, Mortar, etc., dis 60, 10 and 5 p.c.		
Planter, per doz	4 00	4 50

HOOKS.

Cast Iron.

Bird Cage, per doz	0 50	1 10
Clothes Line, per doz	0 27	0 63
Harness, per doz	0 72	0 88
Hat and Coat, per gross	1 00	3 00
Chandelier, per doz	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.

Hat and Coat, discount 60 per cent.
Belt, per 1,000 ..... 0 60 0 70
Screw, bright, dis. 65 and 10 per cent.

HORSE NAILS.

"C" brand 50 p.c. dis. } Oval head.
"M" brand 50 p.c. }

Acadian, 50 and 20 p.c., countersunk head.

HORSESHOES.

Iron Shoes.	F.O.B. Toronto. No. 2 and larger.	No. 1. and smaller.
Light, medium, and heavy	3 60	3 85
Snow shoes	3 85	4 10
Steel Shoes.		
Light	4 00	4 25
Featherweight (all sizes)	5 25	5 25

JAPANNED WARE.

Discount, 50 per cent. off list, June, 1899.

ICE PICKS.

Star, per doz	3 00	3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb 0 30 0 35
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 50 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz		1 00
Bronze, Berlin, per doz	2 75	3 25
Bronze Genuine, per doz	6 00	9 00
Shutter, porcelain, F. & L. screw, per gross	1 30	4 00

KNIVES.

Clauss, bread, cake, and paring knives, $7 00 doz. sets net. to 10 per cent.
Christie, bread, cake, and paring knives, $7 00 doz. sets, with 10 p.c. off.
Hay knives, spear point, L. or T handle, 60 10 and 5 per cent.
Lightning, per doz 6 50 8 40
Health's, $7.75 net.

LANTERNS.

Cold Blast, per doz	7 50
No. 3 "Wright's"	8 50
Ordinary with O burner	4 25
Dashboard, cold blast	9 50
No. 0.	6 00

Japanning, 50c. per doz. extra.

LEMON SQUEEZERS.

	per doz.	
Porcelain lined,	2 20	5 60
Galvanized	1 87	3 85
King, wood	2 75	2 90
King, glass	4 00	4 50
All glass	1 20	1 30

LINES.

Fish, per gross	1 05	2 50
Chalk "	1 90	7 40

LOCKS

Canadian, dis. 40 p.c.
Russell & Erwin, per doz 2 25 2 50

Cabinet.

Eagle, dis. 30 p.c.

Padlock.

English and Am., per doz	50	6 00
Scandinavian, "	1 00	2 40

Eagle, dis. 15 to 17½ p.c.

MACHINE SCREWS.

Iron and Brass.

Flat head, discount 25 p.c.
Round Head, discount 20 p.c.

MALLETS.

Tinsmiths', per doz	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz	3 85	5 00
Caulking, each	60	2 00

MATTOCKS

Canadian, per doz	8 50	10 00

American, 60 and 10 p.c. off list.

MEAT CUTTERS.

American, dis. 30 to 32½ p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2d. and 3d	$3 25	$4 10
3½	2 90	3 75
4 and 5d	2 85	3 60
6 and 7d	2 65	3 45
8 and 9d	2 40	3 25
10 and 12d	2 35	3 20
16 and 20d	2 30	3 15
30, 40, 50 and 60d. (base)	2 25	3 10

Steel Cut Nails 10c. extra.

NAIL PULLERS.

German and American	1 85	3 50

NAIL SETS.

Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.

Poultry, 40 per cent. for McMullen's.

OIL.

anada refined (Toronto)		0 13½
arnia Water White		0 15
Sarnia, Prime White		0 14
American w. w.		0 16½
Pratt's Astral		0 18

Swedes, cut tacks, blued and tinned—
In bulk ..... 80 and 12½
In dozens 75
Swedes, upholsterers', bulk 85
" brush, blued and tinned, bulk.. 50
" gimp, blued, tinned & japanned 75
Zinc tacks 30
Leather carpet tacks 60

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz 0 00 11 00
Zinc and tin, dis. 50, 50 and 10.
Copper, per doz 1 25 3 50
Brass, " 1 50 3 50
Malleable, dis. 25 per cent.

PAILS.

	per doz.
Galvanized, straight pattern No. 12	2 00
Galvanized, straight pattern No. 14	2 25
Galvanized, straight pattern No. 16	2 55
Flaring pattern, No. 11	2 25
" " No. 12	2 50
" " No. 13	2 85
" " No. 14	3 30

PIECED WARE.

Discount, 45 per cent. off list, June, 1899.

PICKS.

Per doz	6 00	9 00

PICTURE NAILS.

Porcelain head, per gross	1 40	3 00
Brass head, "	0 40	1 00

PLANES.

Wood, bench, Canadian dis. 55 per cent. American dis. 55.
Wood, fancy Canadian or American, 37½ to 40 per cent.
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.
Miscellaneous, dis. 25 to 27½ per cent.
Bailey's Victor, 25 per cent.

PLANE IRONS.

English, per doz	2 00	5 00

PLIERS AND NIPPERS.

Button's Genuine, per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz.. 5 00 9 00
German, per doz 0 60 2 60

PULLEYS.

Hothouse, per doz	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS

Canadian cistern	1 40	2 25
Canadian pitcher spout	1 15	2 00

PUNCHES.

Saddlers', per doz	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set	0 00	0 72
" hollow, per inch	0 00	1 00

RAKES.

Cast steel and malleable Canadian, list dis. 50 and 10 p.c revised list.
Wood, 25 per cent.

RASPS AND HORSE RASPS.

New Nicholson horse rasp, discount 60 p.c.
Globe File Co.'s rasps, 60 and 10 to 70 p.c.
Heller's Horse rasps, 50 to 50 and 5 p.c.

RAZORS.

	per doz.	
Geo. Butler & Co.'s	8 00	18 00
Boker's	7 50	11 00
Wade & Butcher's	3 60	10 00
Theile & Quack's	7 00	12 00

REAPING HOOKS.

No. 2	$2 00
No. 3	2 05
No. 4	2 15
No. 5	2 20

RIVETS AND BURRS.

Carriage, Section, Wagon Box Rivets, etc. (Steel), 55 p.c.
Carriage, Section, Wagon Box Rivets, et (Norway Iron), 55 p.c.
Black M. Rivets (Steel), 45 p.c.
Black and Tinned Rivets, 55 p.c.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets & Burrs, 35 p.c. dis., and cartons, 1c. per lb. extra, net.
Extras on Tinned or Coppered Rivets in ½-lb. cartons, 1c. per lb.
Burrs, iron or steel, 40 per cent.
Terms, 4 mos. or 3 per cent. cash 30 days.

RIVET SETS.

Canadian, dis. 35 37½ per cent.

ROPE, ETC

	Sisal.	Manila.
7-16 in. and larger, per lb.	11½	14
⅜ in	12	14½
¼ and 5-16 in.	12½	15
Cotton		14
Russia Deep Sea		15½
Jute		8
Lath Yarn		9¾
New Zealand Rope		10½

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

Mrs. Potts, per set	0 70	
" N. P., per set	0 85	

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 2½ per cent.
Emery, 40 per cent.

SASH CORD.

Per lb	0 20	0 50

SASH WEIGHTS.

Sectional, per 100 lbs		3 25
Solid, "		1 50

SAWS.

Hand, Disston's, dis. 12½ to 15 p.c.
S. & D., 40 per cent.
Crosscut, Disston's, per ft | 0 35 | 0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.
Hack, complete, each | 0 75 | 2 75
" frame only | | 0 75

SAW SETS.

"Lincoln," per doz 5 50 6 00

SCALES

Gurney Scales, 45 p.c.
B. S. & M. Scales, 45 p.c.
Champion, 55 per cent.
Fairbank's Standard, 45 p.c.
" Dominion, 60 p.c.
" Richelieu, 60 p.c.
Chatillon Spring Balances, 25 p.c.

SCREENS.

Door, patent, per doz	6 00	12 00
Window, per doz	2 00	3 00

SCREW DRIVERS.

Sargent's, per doz	0 65	1 00

SCREWS

Wood, F. H., iron, and steel, 80 and 5 p.c.
Wood R. H., " dis. 75 and 5 p.c.
" F. H., brass, dis. 75 and 5 p.c.
Wood, R. H., " dis. 67½ and 5 p.c.
" F.H., bronze, dis. 67½ and 5 p.c.
" R.H. 62½ and 5 p.c.
Drive Screws, 82½ and 5 per cent.

Bench, wood, per doz	3 25	4 00
" iron, "	4 25	5 75

SCYTHES.

Discount, per doz. net	4 50	6 00

SCYTHE SNATHS.

Canadian, dis. 50 p.c.

SHEARS

Seymour's, dis. 50 and 10 p.c.
Heinisch, dis. 50 and 10 p.c.
Clauss, full nickel, 50 and 10 p.c.
" japanned handles, 67½ p.c. off.
Seymour or Heinisch tailor shears, 15 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SNAPS.

Harness, German, dis. 35 to 37½ p.c.		
Acme	3 00	5 00
Lock, Andrews'	4 50	11 50

SOLDER.

Bar, half-and-half	0 21¼	0 22
Refined	0 20½	0 21
Wiping		0 19½

NOTE.—Prices of this graded according to quantity. The prices of other quantities of solder in the market indicated by private brands vary according to composition.

SOLDERING IRONS.

1, 1½ lb., per lb	0 37
2 lb. or over, per lb	0 34

WROUGHT SPIKES.

Discount, 35 to 40 per cent.

SQUARES.

Iron, per doz	1 65	2 90

Steel, dis. 70 per cent., revised list.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p.c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized	3 25	
Bright	3 00	

STOCKS AND DIES.

American dis. 25 p.c.

STONE.	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip	0 09	0 09
Labrador		0 13
" Axe		0 15
Turkey		0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, per ton	15 00	18 00

STOVE PIPES.

5 to 6 inch, per 100 lengths		6 75
7 inch, per 100 lengths		7 25

Stove Polish.



No. 4—3 dozen in case, net cash $4 50
No. 6—3 dozen in case, " 7 50

STEP LADDERS.

Best grade, from 3 to 10-ft. long, per foot, 16c.
2nd grade, 3 to 10-ft., per foot, 10c.

TACKS BRADS, ETC.

	Per cent.
Strawberry box tacks, bulk	75 and 10
Cheese-box tacks, blued	85
Trunk tacks, black and tinned	85
Carpet tacks, blued and tinned	80
" " (in kegs)	40
Cut tacks, blued, in dozens only	75 and 5
" ¼ weights	60
Copper tacks	50
Copper nails	52½
Trunk nails, black and tinned	70
Clout nails, blued and tinned	70
Chair nails	40
Cigar box nails	40
Patent brads	45
Fine finishing	45
Picture frame points	20
Lining tacks, in papers	10
" " in bulk	15
" " solid heads, in bulk, 75 and 12½	
Saddle nails in papers	10
" " in bulk	15
Tufting buttons, 22 line, in dozens only	
Tin capped trunk nails	
Zinc glazier's points	5
Double pointed tacks, dozens	85
" " bulk	40

TAPE LINES.

English, ass skin, per doz	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TINWARE.

Stamped, dis., Asso. list, 80 per cent.
Japanned, prices on application.
Pieced, prices on application.

TRANSOM LIFTERS.

Payson's per doz	2 60

TRAPS. (Steel.)

Game, Newhouse, dis. 40 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's, discount 10 per cent.

German, per doz	4 75	6 00
Brade's "	5 00	10 50

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb		0 21
Wrapping, mottled, per pack.	0 50	0 60
Wrapping, cotton, per lb	0 17	0 18
Mattress, per lb	0 33	0 45
Staging, "	0 27	0 35
Broom, "	0 30	0 55

VISES.

Hand, per doz	4 00	6 00
Bench, parallel, each	2 00	4 50
Coach, each	6 00	7 00
Peter Wright's, per lb	0 12	0 13
Pipe, each	5 50	9 00
Saw, per doz	6 50	13 00

ENAMELLED WARE.

White Ware, discount 50 per cent.

WIRE.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Smooth Steel Wire, base, $3.15 f.o.b. factory points. Listof extras: Nos. 2 to 5, advance 7c. per 100 lb.—Nos. 6 to 9, base—No. 10, advance 7c.—No. 11, 14c.—No. 12, 20c.—No. 13, 35c.—No. 14, 47c.—No. 15, 60c.—No. 16, 75c. Extras net per 100 lb.: Coppered wire, 60c.—tinned wire, $2—oiling, 10c.—special hay-bailing wire, 30c.—spring wire, $1—best steel wire, 75c.—bright soft drawn, 15c.—in 50 and 100-lb. bundles net, 10c.—in 25-lb. bundles net, 15c.—packed in casks or cases, 15c.—bagging or papering, 10c.
Fine Steel Wire, dis. 15 per cent. factory. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, $7.65—No. 24, $8—No. 25, $9—No. 26, $9.50—No. 27, $10—No. 28, $11—No 29, $12—No. 30, $13—No. 31, $14—No 32, $15 No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25 $2—Nos. 26-31, $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.60—No. 9, $3.10—No. 10, $3.70—No. 11, $4.75—No. 12, $3 20—No. 13, $3.45—No. 14, $4 10—No. 15, $4.70—No. 16, $4.85.

Broom Wire, per lb	0 05	0 05½
Clothes Line Wire, 19 gauge, per 1,000 feet		3 30

WIRE FENCING.

	F.O.B Toronto
Galvanized, 4 barb, 2¼ and 5 inches apart	3 25
Galvanized, 2 barb, 4 and 6 inches apart	3 25
Galvanized, plain twist	3 25

Terms, 2 per cent. in 10 days.

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net	1 75

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 70 to 70 and 10 p.c.
Standard, dis. 60, 60 and 10 per cent.
Coe's Genuine, dis. 20 to 25 p.c.
Diamond, dis. 33½ to 35 per cent.

Towers' Engineer, each	2 00	7 00
" S., per doz	5 80	6 00
G. & K.'s Pipe, per doz		3 40
Burrell's Pipe, each		3 00
Pocket, per doz	0 25	2 90

WRINGERS.

Leader	per doz.	$60 00
Royal Canadian	"	58 00
Royal American	"	48 00

Discount, 45 per cent.; terms 4 months, or 3 p.c. 30 days. Prices are f.o.b. London, Hamilton Toronto, Brockville or Montreal.

D. F. Jones Manufacturing Co. Limited, of Gananoque, Ont.

Established 1852.

Shovels
Spades
Draining Tools



Grain and Coal Scoops and Miners' Shovels

The only Canadian manufacturers of Plain Back Shovels and Spades **THAT ARE SOLID,** without weld, and graduated from socket to point, and from centre to sides, of blades.

All our goods have trade mark on the handle.

McLaskill, Dougall & Co
Fine Varnish & Japan
Manufacturers
Montreal
Price List on application

"THE BEST IS CHEAPEST."

Buy McMullen's unequalled

Poultry Netting

—and—

Fencing.

Made by

The Ontario Wire Fencing Co. Limited

PICTON, ONT.

For sale by The Canadian Hardware Jobbers; The B. Greening Wire Co., Hamilton and Montreal, General Agents, and James Cooper, Montreal, Agent for Railway Fencing. (20)

THE OAKVILLE BASKET CO.,



Manufacturers of

1, 2, 3 Bushel

Grain

AND

Root

BASKETS

THE OAKVILLE BASKET CO.



IRON AND BRASS

Pumps

Force, Lift and Cistern Hand and Power.

For all duties. We can supply your wants with —quality the best and prices right. Catalogues and full information for a request.

THE R. McDOUGALL CO., Limited

Manufacturers, Galt, Canada.

SHIELD BRAND

Sheathing is the

BEST.

Ask your dealer for it.

Manufactured by

Lockerby & McComb

65 Shannon Street, MONTREAL.

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ESTABLISHED 1849.

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Capital and Surplus, $1,500,000. Offices throughout the civilized world.

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TORONTO OFFICE: Cor. Jordan and Melinda Sts.

THOS. C. IRVING, Superintendent.

PERFECTION AUTOMATIC REVOLVER.



NEW Automatic shell extracting, double action, small frame. Weighs 12 oz. Rebounding lock. 32 caliber. 5 shot.

Made with shorter barrel for bicycle use.

The most perfect small pistol made.

SEND FOR CATALOGUE.

Forehand Arms Co.

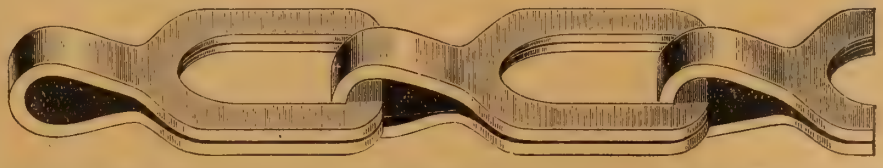
Manufacturers of the

Forehand Guns

Worcester, Mass.

AMERICAN COW TIES

WILL OUTLAST ALL OTHERS.



This is because the form of the link, the exact size and shape of which are shown above, is such that the wear is distributed evenly over its entire end. The bearing surface is thus very large, and the chain will wear for years without becoming worn appreciably.

With other styles of chain the bearing surface is only a very small portion of the extreme end of the link. Grooves are soon formed, and in a comparatively short time the links are worn—or, properly speaking, cut-through.

These facts are well shown on a cow tie recently brought us for repairs. It was an ordinary No 00 three chain tie. One chain was wire, the other two American. One of the wire links was worn entirely through. The others were nearly as bad—a strong pull would have broken almost any of them. With the American chains on the other hand, the wear was very slight, and hardly noticable—three times this amount would not have weakened the chains seriously.

In addition, because of its flat link and smooth surface, American chain is much easier for the neck of the animal than the twisted or wire chain. The American link cannot injure the animal's neck—other styles of link are very liable to.

American Cow Ties are made in all the standard patterns and sizes. They are sold by all jobbers.

ONEIDA COMMUNITY, Limited, NIAGARA FALLS, ONT.

Est. 1863 — Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

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Twelve Medals

Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895

HAVE YOU TRIED IT?

"PYRAMID" BRAND



BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM
HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

Sole Manufacturers:

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

61-63 FRONT ST. WEST, TORONTO.

BINDER TWINE.

There is none "just as good."

Pure Manila 650-ft. to the lb.

Blue Ribbon

Special Manila

Tiger

Standard

These Twines will not bunch at the knotter, and a Binder will run all day with them without stoppage, thus saving time, annoyance and an endless lot of trouble.

We pack our twine in bags of the size of ordinary grain bags and are not ashamed to put our name upon them. Don't take any other.

Consumers Cordage Company, LIMITED, Montreal.

For "RUSH ORDERS" and the accommodation of our customers we carry a stock at our Toronto Branch: WM. B. STEWART, Agent, 27 Front St. West.

Name stamped on each bar.
"Langwell's Babbitt"
--Montreal.

CANADIAN

HARDWARE AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XI. MONTREAL AND TORONTO, SEPTEMBER 23, 1899. NO. 38

Magnolia Metal

Best Anti-Friction Metal for all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up in bars, of which this is a

FAC-SIMILE.





The name and trade mark appear on each box and bar, and besides this, the words "Manufactured in United States" and "Patented June 3, 1890" are stamped on the under side of each bar.

Magnolia Metal is still selling at the same price it has always sold at—no advance.

MAGNOLIA METAL COMPANY

LONDON OFFICE—49 Queen Victoria St.
CHICAGO OFFICE—Fisher Building, 281 Dearborn Street.
CANADIAN OFFICE—524 Board of Trade Building, Montreal.

Owners and Sole Manufacturers,
266 and 267 West St., New York



CANADA

"JUST AS GOOD"

so they say about many other brands comparing them with "QUEEN'S HEAD," but the claim only proves that "QUEEN'S HEAD" is the standard, and there is no brand which you can safely substitute.

JOHN LYSAGHT, Limited,
BRISTOL, ENG., and MONTREAL.

12 Years Prove It.

Time is the true test of Quality—twelve years of constant use without an unsatisfactory report on the Safford Patent Radiators! Not one complaint from leakage, bursting or wearing out—if proof is wanting of perfection in

Steam or Hot-Water Heating,

here it is. "12 years prove it."

No bolts, rods or packing—screw-nipple connections at every joint. Handsome as a radiator *can* be. Fits curves, circles, angles. Made by the largest radiator manufacturers under the British Flag. Illustrated catalogue free.

The Safford Radiators.

The Dominion Radiator Company, Limited,
TORONTO, ONTARIO.

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Winnipeg,	Vancouver,	London,
Glasgow,	Edinburgh,	Belfast,
Antwerp,	Berlin,	Christiana,
Auckland, N.Z.		Johannesburg, S.A.R.

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Bar Iron
Steel
Boiler Plate

Shelf and Heavy

Hardware



MANTELS
GRATES
TILES

Cutlery . .

FINE BUILDERS' HARDWARE.

Cor. King and Victoria Streets ...TORONTO

SAVAGE REPEATING RIFLE

.303 CAL.



Hammerless
Smokeless
Six-Shooter

New 1899 Model

AGENTS:
Winnipeg, J. H. ASHDOWN
Toronto, RICE LEWIS & SON
Quebec, CAVERHILL, LEARMONT & CO.

LATEST and FINEST Rifle manufactured.

Write for complete Catalogue W.

SAVAGE ARMS CO., Utica, N.Y., U.S.A.

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Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.

R. HEINISCH'S SONS CO.

NEW YORK OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

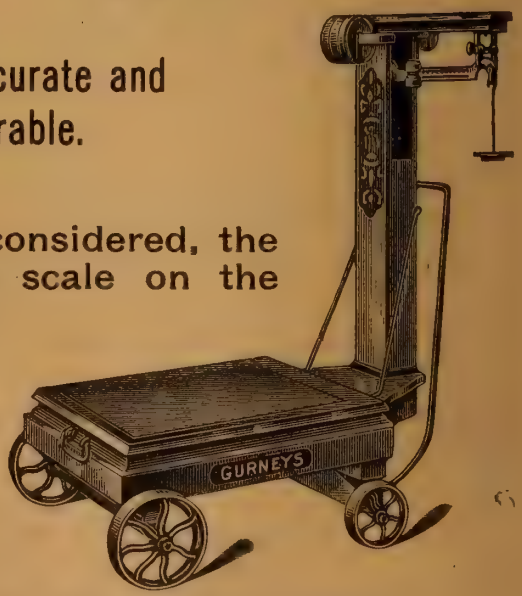
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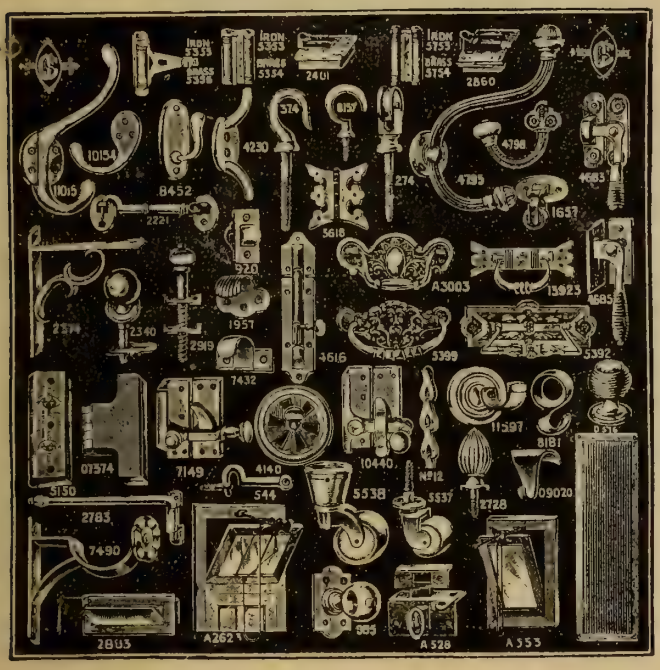
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CABINET, BUILDERS', FURNISHING AND NAVAL BRASSFOUNDRY

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London Showrooms: 57 Holborn Viaduct E.C.

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CANADIAN RUBBER CO. EXTRA BRAND MONTREAL & TORONTO

with these brands are a guarantee in themselves of excellence . . .

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Capital, $1,500,000.00 **MONTREAL**

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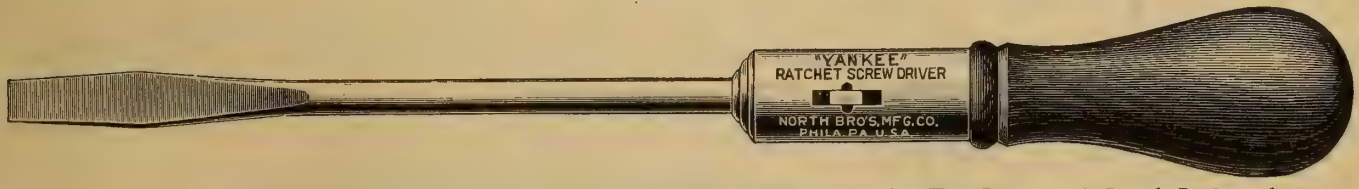
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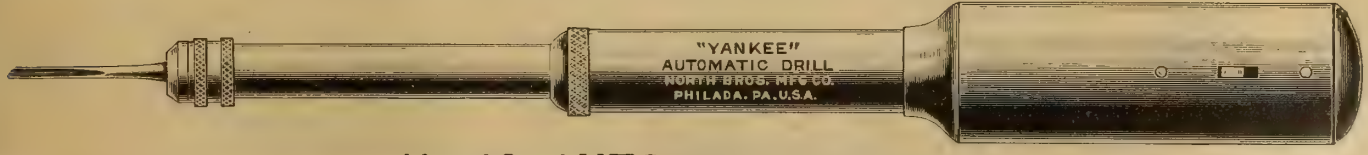
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No 40 AUTOMATIC DRILL.

FREE A handsome lithographed and embossed Sign in colors, on tin, to dealers handling these tools. Separate sign for each tool. Write at once which sign is wanted and it will be mailed post paid.

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This Range always gives

Unbounded Satisfaction

The OXFORD CHANCELLOR

is of Heavy Steel Plate—an ideal farmer's range that burns the coarsest wood, or may be fitted with coal linings.

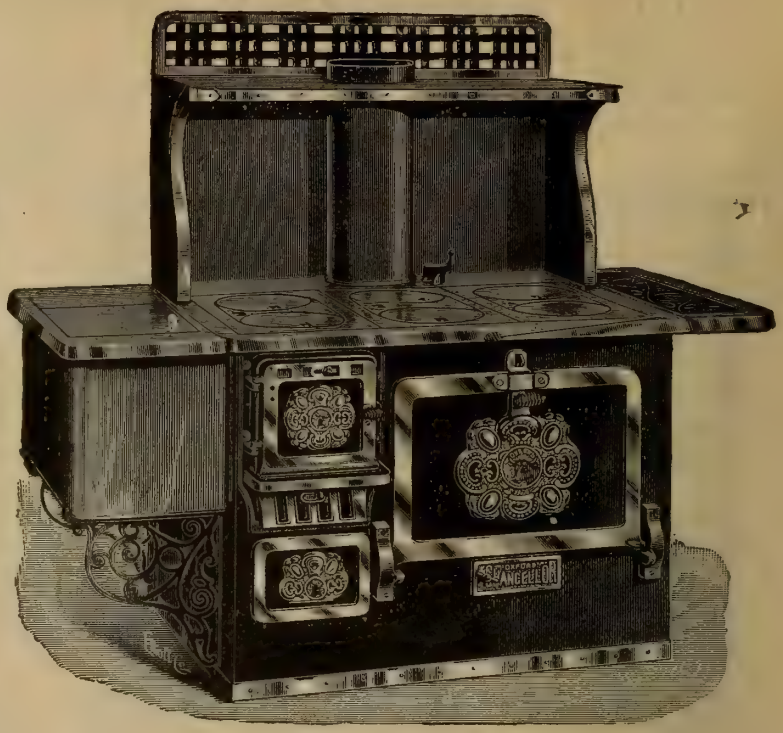
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Fire Box, 28 in. long.
Oven, 20 x 22 x 14 in.
Top Cooking Surface, 39 x 30 in.

It is quick-working, handsomely finished and moderate in price—selling on sight.

Your stock is not complete without the Chancellor.

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possess a peculiar toughness adapting them for the HARDWARE TRADE.

The long fibre we make them of is responsible for this.

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PRINTED or UNPRINTED.

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Hull, Montreal, Toronto, Quebec, Hamilton, Kingston, St. John, Halifax, Winnipeg, Victoria, Vancouver, St. John's, Nfld.

Canada

The first letter in this word ("C") was selected by us in 1865 as our Registered Trade Mark for all Horse Nails made by us. We have faithfully endeavored during all of this long period, to maintain their claim to be the first in Canada in every particular, quality, pattern and general excellence. If you want the best, ask for the "C" brand and accept no others. Our name and brand is on each box. The cost is the same as others.

Canada Horse Nail Company,
MONTREAL.



REMARKABLE RESULTS!!

In the City of Winnipeg—and it's a cold place—a No. 34 Copp Heater warmed a store perfectly containing 21,168 cubic feet.

Such a feat was never equalled in heating in this country with one stove of similar size.

We have added a size to burn 27-inch wood. This will be found suitable for any residence.

ASK FOR THE
COPP HEATER.

It's the greatest and most economical Heater made to-day.

THE COPP BROTHERS CO., Limited, Hamilton and Winnipeg

Hardwood CHARCOAL in Bulk or Sacks.
WOOD ALCOHOL equalling Methylated Spirits as a solvent.

Manufactured only by...
THE STANDARD CHEMICAL CO., Limited
Factories { Fenelon Falls. Deseronto.
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(The best All-Bright Plates on the market.)

M. & L. Samuel, Benjamin & Co.

ENGLISH HOUSE:
Samuel, Sons & Benjamin
64 Fenchurch Street, London, E.C

26 to 30 Front St. West TORONTO.

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MILITIA.

SEALED TENDERS for the supply for the Permanent Force and Active Militia of Necessaries Barrack Stores and Camp Equipment, consisting of Boots, Socks, Underclothing, Shirts, Razors, Brushes, etc.; Mops, Corn Brooms, Marquees, Saddlery, etc., will be received up to noon, Tuesday, 26th of September, 1899.

The tenders are to be marked on the left hand corner of the envelope, "Tender for Militia Store Supplies," and are to be addressed to the Honorable the Minister of Militia and Defence, Ottawa.

Printed forms of tender, containing full particulars, may be obtained from the undersigned at Ottawa, and at the offices of the District Superintendent of Military Stores at London, Toronto, Kingston, Montreal, Quebec, Halifax and St. John.

Patterns or samples of the supplies to be furnished may be seen at the office of the undersigned at Ottawa. Samples will not be sent to parties desiring to tender.

No tender will be considered unless made on the printed form furnished by the Department, nor if the form is altered in any manner whatever. Parties must state in their tender what facilities they have for executing a contract if one be awarded them, and give the names of two responsible parties as guarantees of their ability to perform such a contract.

Each tender must be accompanied by an accepted chartered Canadian bank cheque, payable to the order of the Honorable the Minister of Militia and Defence, for an amount equal to 10 per cent. of the total value of the articles tendered for, which will be forfeited if the party making the tender decline to sign a contract when called upon to do so. If the tender be not accepted the cheque will be returned.

The Department does not bind itself to accept the lowest or any tender.

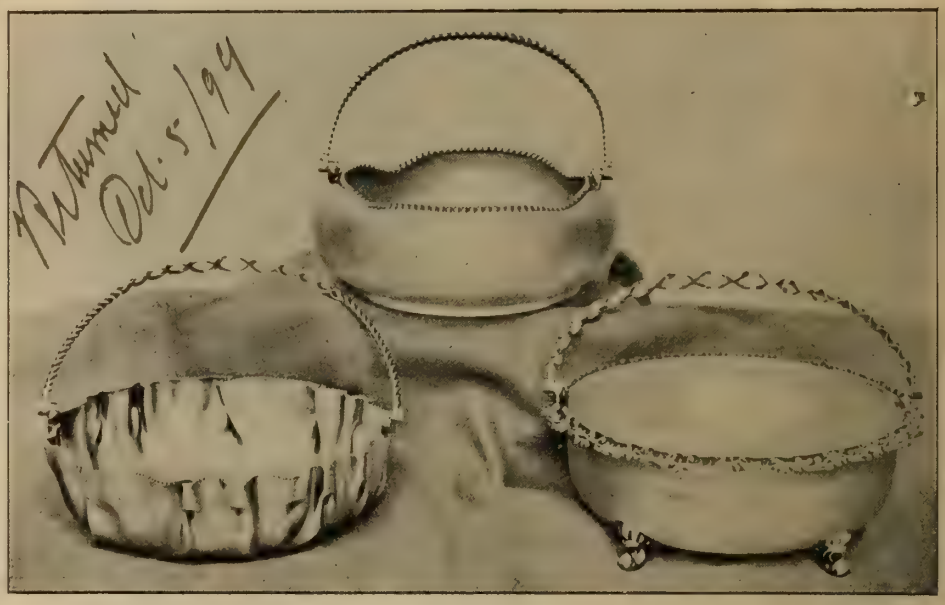
A. BENOIT, Capt., Secretary.

Department of Militia and Defence,
Ottawa, 31st Aug., 1899

Newspapers inserting this advertisement without previous authority from the Department will not be paid for it. (38)

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Silversmiths and Manufacturers
of Electro Silver Plate.



BON BONS.

No. 0861—Embd. Gilt, $4.50 list. No. 0866, $3.00 list. No. 0869, $4.00 list.

Do not place your orders for Sterling Silver and Electro Silver Plate elsewhere before seeing what we have to offer.

Everything new and up-to-date, and no old stock to work off.

Factories and Salesrooms, King St. West, Toronto, Canada.

E. G. GOODERHAM, Managing Director.

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Iron Merchants.

Importers of British
and Foreign

HARDWARE

HAMILTON, ONT.,
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EXTENDED INSURANCE.

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is the provision for Extended Insurance. After two full annual premiums have been paid, the insured is entitled to Extended Insurance for the full amount of the policy for a term of years definitely stated therein. Paid-up and Cash Values also guaranteed.

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Watson, Foster Company

Limited

Manufacturers of all grades of WALL PAPERS

Montreal, Canada.



The Factory Producing the Most Modern and Artistic Paper Hangings on the Continent.

Have you made your selection of Wall Papers for season 1899-1900? If not, now is the time to inspect our more-than-ever popular line. Our representatives are now on the road, and will have much pleasure in calling on you and showing you our new samples. The frequent introduction of up-to-date novelties, nobby styles, artistic gems, and popular sellers all through the extensive collection will render the ordeal a pleasing one to you. It will require very little or no argument to convince you that our assortment embraces the kind of papers you should have to hold your best trade and increase the volume of your business.

OUR { **HEAVY 21-INCH PAPERS** in Flats, Plain Varnish Golds, and Embossed Varnish Golds
INGRAINS—Most Fashionable Shades, with twelve handsome, remarkably rich matched Friezes
EMBOSSED PULP EFFECTS—the newest specialty out

Will accomplish the above results for you.

Note.---Freight equalized with Toronto for towns West of Belleville and West and North of Toronto.



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Cloth and Paper.
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"Atlas" Brand

"FLORA" Knife Polish, in 3d., 6d. and 1/ tins

Ground, Washed and Flour.

WHEELS of highest quality for general and special purposes.

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THE LONDON EMERY WORKS CO., 10-12 Vine Street Clerkenwell, LONDON, E.C.

Agent in Canada—MR. T. L. PATON, 30 St. Francois Xavier Street, Montreal, P. O. Box 903.

Standard Steel Toe Calks

Sizes of Blunt:





WRITE FOR DISCOUNTS.





Sizes of Sharp Calks below for Fall of 1899:

No.	Length.	Size.	No.	Length.	Size.
0	1½ inch	3/8 x 5/16	4	2¼ inch	3/4 x 3/8
1	1½ "	1/2 x 5/16	5	2½ "	3/4 x 3/8
2	1¾ "	9/16 x 3/8	6	2¾ "	7/8 x 7/16
3	2 "	5/8 x 3/8	7	3 "	7/8 x 7/16

Price, $1.25 per box of 25 lbs. in bulk.
Or 24 lbs. in 4-lb. packages.

No.	Length.	Size.	No.	Length.	Size.
0	1½ inch	9/16 x 3/8	4	2½ inch	3/4 x 1/2
1	1¾ "	9/16 x 3/8	5	2¾ "	15/16 x 9/16
2	2 "	11/16 x 7/16	6	3 "	15/16 x 9/16
3	2¼ "	3/4 x 1/2			

Price, $1 50 per box of 25 lbs. in bulk.
Or 24 lbs. in 4-lb. packages.

JAMES PENDER & CO., Limited, Sole Mfrs. **Saint John, N. B., Canada.**

DARK DAYS ARE COMING
—AND—
YOUR STORE IS GLOOMY.

Buy Luxfer Prisms and tempt new customers in—by making your store airy, cheerful and bright. . . . .



EATON'S—WITH LUXFER PRISM WINDOWS.



EATON'S—WITH OLD-FASHIONED GLASS.

LUXFER PRISMS ARE NO FAD.

Their popularity is due to the economy effected in artificial light. Dollars and cents do our pleading.

WRITE TO

Luxfer Prism Co., Limited
58 Yonge St., TORONTO.

HARDWARE BUSINESS FOR SALE.

Established twenty years on Main St., Winnipeg, Mantoba. Satisfactory reasons for selling. First-class stand with all modern fittings — unexpired lease. Apply to CAMPBELL BROS.. Winnipeg, Manitoba. (tf)

FOR SALE.

A NEW MARLIN RIFLE

Never been used. Just the Rifle for practice. Price $30. Will take $20.

19 Board of Trade, Montreal

One of the
LEADING WHOLESALE HARDWARE HOUSES
in Montreal to-day is

SEYBOLD, SON & CO.,

Established 30 years.

Carrying a complete assortment of HARDWARE, from a Needle to an Anchor.

KNOX HENRY.

Heavy Hardware and Metal Broker
Room 220½ Board of Trade, MONTREAL.

SPECIALTIES—C Brand Horse Nails—Canada Horse Nail Co.

BOLTS—Tire and Stove Rivets of all kinds—Chalcraft Screw Co.

BRASS GOODS—Gunn Castor Co., Limited, Birmingham, Eng.

Deseronto Iron Co.

LIMITED

DESERONTO, ONT.

Manufacturers of

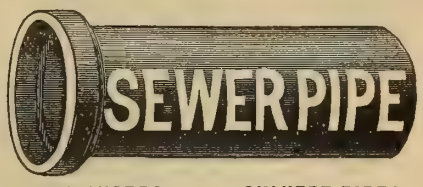
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BRAND "DESERONTO."

Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

FULL STOCK

DIAMOND BRAND

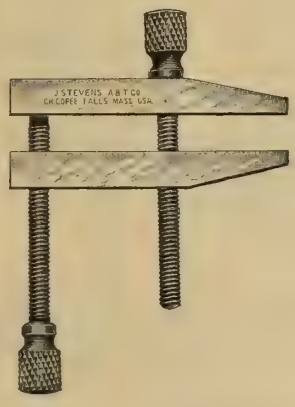


WIND GUARDS, CHIMNEY TOPS, FLUE LININGS,
CULVERT PIPES, SEWER PIPES, INVERT BLOCKS.

Manufactured by the

HAMILTON AND TORONTO SEWER PIPE CO.

Hamilton, Ontario. **Limited**



STEVENS FINE TOOLS

We make a perfect line of

CALIPERS and DIVIDERS

Also such tools as Surface Gauges, Tool Makers' Clamps, Center Punches, etc.

Write for our New Catalogue containing a description of our Tools. It is also a valuable hand-book of information for mechanics and people interested in such lines.

J. Stevens Arms & Tool Co.

P.O. Box 216, Chicopee Falls, Mass., U.S.A.

Carried by our representatives at Toronto and Montreal.

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ALL KINDS AND FOR ALL PURPOSES.

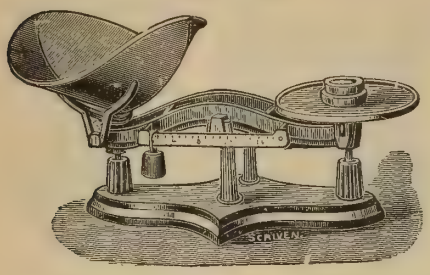
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"FIRMUS" Transmission Rope from the finest quality Manila hemp obtainable. Orders will not be accepted for second quality or "mixed" goods.

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ANYTHING from a LETTER SCALE weighing 1/8 oz., to a 100 ton RAILWAY SCALE.

THINGS HAVE TAKEN A TURN!

IT IS QUALITY'S TURN TO SPEAK!

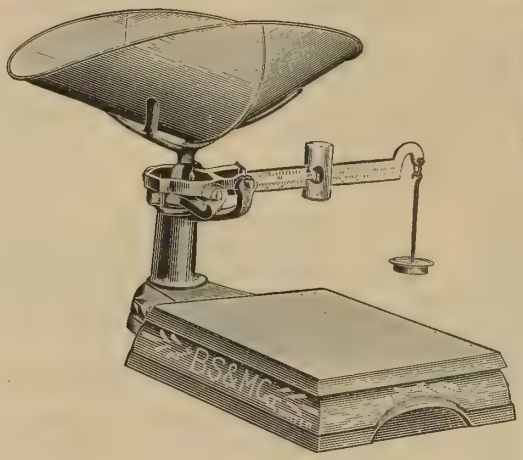
The QUALITY of our "IMPERIAL STANDARD"

IMPERIAL STANDARD SCALES

are Manufactured in the best equipped factory in the Dominion, by the most competent workmen, continually under the supervision of the Government

INSPECTORS.

Write for Prices to



SCALES

is UNSURPASSED and the DEALERS Recognize the Fact.



THE BURROW, STEWART & MILNE CO., LIMITED.

HAMILTON, ONT.

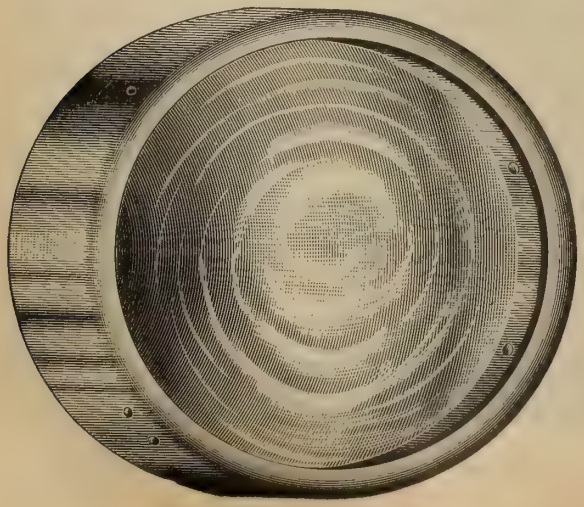
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Kemp's Broad Hoop, Roll-Rim Milk Can Bottoms

Introduced to the Trade in

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and generally pronounced to be the best ever offered.



The **Broad Hoop, Roll-Rim Milk Can Trimmings**

have been improved for season of

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and will be found to be the strongest, and therefore the most serviceable.

Kemp Manufacturing Co.

TORONTO.

HARDWARE AND METAL

Vol. XI. MONTREAL AND TORONTO, SEPTEMBER 23, 1899. No. 38

President, JOHN BAYNE MacLEAN, Montreal.
Treasurer, HUGH C. MacLEAN Toronto.

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Limited.

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Subscription Canada, $2.00 Great Britain, $3.00

Published every Saturday.

Cable Address { Adscript, London / Adscript, Canada

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WORKERS AND THE MARKETS.

IT seems difficult to understand, with the experience of the British engineers' strike in mind, that any important body of iron and steel workers in the United States should threaten to quit work for higher wages or shorter hours.

The British iron trade is still suffering from the after effects of this strike—in fact, it is doubtful if it will ever entirely recover trade that was lost as a result of it. It sent to Germany and the United States a vast amount of trade that was formerly controlled by Great Britain, and, now that the German and American makers have secured possession of this trade, it is next to impossible for British makers to recover it absolutely.

The striking British workmen gave makers in the United States and in Germany a chance to acquire a permanent foothold in markets from which otherwise they would probably have been shut out for years to come, or, at any rate, which would have cost them great effort to conquer. As a consequence, not only has British industry suffered severely, but many of the striking engineers either remain out of work, or have been forced to seek different employment.

American steel and iron products have undoubtedly made material progress in foreign markets lately, but it is by no means certain yet to what extent this foothold will be lasting. There has been such an extraordinary demand everywhere recently for steel and iron, that American makers have had no trouble in finding eager purchasers for their products abroad. These have been willing to pay almost any price for what they desired, provided the goods were promptly delivered. This condition, however, will not last always.

Supply must eventually overtake demand, and then will come the battle between American and foreign makers for supremacy in the export trade. This will be the real test of the ability of American steel and iron mills to cope with foreign competitors abroad. It is hardly necessary, therefore, to point out that American makers, if they are at a disadvantage in the matter of cost of labor, will not find it easy to retain control of foreign markets, much less increase their hold upon them. Yet, nothing is more certain than that new and expanding markets are absolutely essential to the prosperity of the American iron and steel industry. In their absence American forges and furnaces must diminish production and the workingmen suffer materially in consequence.

These considerations, if the American steel and iron workers are wise, will have due weight before they carry out their threats of striking unless they are granted higher wages or shorter hours. Otherwise they may be starting a movement that will end just as the British engineers' strike has ended. While they may be imagining that they are only insisting on their just rights, they may, at the same time, be playing into the hands of makers and workers in Britain and on the continent, so intimately are all the international markets interrelated nowadays. Then, the higher pay or shorter hours will be veritable ashes of disappointment if they mean no employment at all.

Steady employment at moderate wages is far better than irregular employment with periodical cuts, and the chance of losing employment altogether.

American steel and iron workers may greatly promote the industry in which they are employed, or they may retard it by making it difficult for their employers to retain or increase their hold on foreign markets.

GRATIFYING RAILWAY EARNINGS.

The earnings of the Canadian railways during the eight months ending August 31, were most gratifying.

For example, the gross earnings of the Grand Trunk were $16,497,957, against $15,223,300 the same period last year. Those of the Canadian Pacific were $17,502,989 and $15,858,247 respectively.

In the one instance the increase was over 8 per cent., and the other over 10 per cent. But the Canadian Pacific is this year operating 384 miles more of railway than it did in 1898.

FAKES AT THE TORONTO INDUSTRIAL.

IT is no easy thing to manage an exhibition of the extent and importance of the Toronto Industrial. There are so many diversified interests to consider and such a multiciplicity of tastes to which to cater, that it could not be otherwise.

That the management has, on the whole, been fairly successful in the past is evidenced from the position unto which the Toronto Industrial has attained, not only in Canada, but in the United States. And even on the other side of the Atlantic it is by no means unknown.

But an exhibition can no more exist on what it has done in the past than can a man on the breath he drew yesterday. The management of the Industrial may not be trying to do this, but it is certainly drifting into a policy which, if pursued in, cannot fail to bring the Exhibition into ill-repute and destroy its usefulness.

If the purpose of an exhibition is anything it is to give in concrete an idea of the agricultural and manufacturing development of the country.

That the Toronto Industrial is departing from this original purpose has for some time been evident; during the recent Exhibition it was doubly evident.

We do not charge that the management is doing so designedly, for we do not for a moment believe that it is. It is a matter of drifting. As a result of this drifting the Industrial is being allowed to develop in two particulars, and at the expense of the legitimate exhibition.

The one is the encroachment of the circus and the side-show element; the other is the encroachment of the people who occupy space not to exhibit goods, but to sell them.

Just as most people like a little sugar with their tea, so most people like a little entertainment with an exhibit of products of the farm and factory. And it is not only natural, but it is proper, for it lends variety, and variety is the spice of exhibitions as well as of life.

But there is a line where a halt should be called. And that is when the entertainments are either indecent or of the fake character.

During the last Industrial Fair at Toronto there were side-shows which were unquestionably both. We have special reference to the so-called Midway Plaisance, where the suggestive immorality of some of the shows disgusted respectable people, and the fakes which characterized some of the others disgusted everybody—except, apparently, the management.

Against the legitimate performances before the grand stand we have not a word of complaint to offer.

Now, as to space taken up, particularly in the main building, by people who were there not to exhibit goods, but to sell them.

Leaving out most of the exhibits of the products of the field, the average exhibitor undoubtedly hoped to reap financial benefit from the display he made. But it was never intended that the main building should be the habitation for "Cheap Johns" and restauranteurs. And yet they were there in strong force, and in such force as to draw uncomplimentary comments from visitors.

As a result, the legitimate exhibit in the main building was unusually poor, taken as a whole. There were a few exhibits which were of a high order. But we are speaking of the main building as a whole. And because of the space given up to "Cheap Johns" of sundry descriptions there were legitimate manufacturers who could not get as much space as they desired.

When it comes to a competition for space between manufacturing firms and "Cheap John" concerns, and the latter came off victor, it is quite obvious where the Industrial Exhibition is drifting.

Cheap jewelery vendors, patent potato peelers, peanut pedlars, candy sellers, etc., no doubt help to increase the revenues of the Industrial Association. But keep them out of the main building. And the fake and indecent show, let it be anathema.

A BUSINESS MAN'S TROUBLES.

THAT the old proverb, "Let him that thinketh he standeth take heed lest he fall," is especially applicable to business is well illustrated by the misfortunes of a prominent business man of New York, W. W. Farmer. Mr. Farmer owned valuable patents and original steel punches and matrices worth $250,000, and refused an offer of $750,000 for his plant. About a year ago he lost heavily by a fire, and borrowed $75,000 from The United States Mortgage and Trust Co. The debt matured September 1, 1898, and through bad management and dabbling in outside speculations, he was unable to meet his note at maturity, and was compelled to borrow $50,000 to take it up, the security being 1,997 shares of The Farmer Co. These passed lately into the hands of a competitor. A meeting of stockholders was held and Mr. Farmer ousted from the management.

Though an exceptional case, this is a sober reminder that "eternal vigilance" is necessary on the part of the best established business houses.

"SIFTING" EMPLOYES.

THE better the times the narrower are the meshes through which employers of labor sift their employes. In other words, the more difficult it is to make the supply of labor equal the demand the more necessary is it for manufacturers, merchants and other employers of labor to take what employes they can get and keep what they have.

We have to-day an example of this: In more than one branch of business the demand for workmen so exceeds the supply that the incompetent are taken as well as the competent. The employer may sometimes wax profane over much of the material he is compelled to take in; but, after all, poor as it is, he is glad to get it.

But there have been times of sifting in the past, and, no doubt, there will be again in the future. And, as these times approach, the wider will become the meshes of the "sifter."

When trade depression materializes the incompetent employes drop out of employment like rain drops through a sieve. In their going no commotion is created, and after they are gone they are not missed, unless it be that the ratio of botch to good work is found to be not as great as it was.

The more competent a man is the more difficult is it to get rid of him in the sifting which dull trade necessitates.

Times are good now; but the fact that they cannot always be so should induce every young man to so perfect himself in his vocation, no matter what that vocation may be, that when the time for more careful sifting comes he shall be too large and too important to his employer to be allowed to pass out and seek employment elsewhere.

A CANADIAN-UNITED STATES AGREEMENT ON HARVEST TOOLS.

IT is not likely that next year will see many harvest tools imported into Canada from the United States.

The cause of which this is likely to be the effect is an arrangement between the Canadian and United States manufacturers.

It appears that inquiries were recently received in Canada for harvest tools from a foreign market which had hitherto been supplied by the United States.

The Canadian mannfacturers agreed, however, not to compete for this business provided the manufacturers in the United States would leave the Canadian market alone. This the latter agreed to do. Hence the possibility of no harvest tools being imported from the United States into Canada next year.

It is to be hoped the arrangements entered into between the manufacturers in the two countries are not as arbitrary as those which were entered into by the spade and shovel manufacturers on either side of the line. By that arrangement importers are precluded from bringing in spades or shovels from the United States or any other country on pain of losing the rebate which the Canadian manufacturers accord, and which is practically the jobber's only source of profit on these lines.

The arrangement is significant, showing, as it does, that the harvest tool industry has sufficiently developed to cater for foreign trade as well as for the home market. And there are some who question whether, in view of this, the manufacturers are wise in being party to an agreement which, while it may preserve to them the home trade, will tend to tie their hands in regard to the export trade.

The situation in regard to the price of harvest tools is decidedly strong, and the trade will undoubtedly be compelled to pay much higher prices than a year ago, for, aside altogether from whatever influence the arrangement with the makers in the United States may have upon values, the cost of raw material and of labor is much higher than it was when the factories were turning out goods for the season of 1899.

At the close of last week, prices were advanced nearly 25 per cent., the discount being reduced to 50, 10 and 5 per cent., but these figures were only in force a few days, for this week they were withdrawn, and to-day jobbers are awaiting new discounts.

WIRE AND WIRE NAILS DEARER.

Still another advance is to be noted in the price of wire and wire nails.

In the United States last week smooth steel wire, barbed wire and wire nails were advanced 15c., and prices in Pittsburg for less than carload lots to the retailer are as follows: Smooth steel wire, $2.90 base; barbed wire, $3.65 per 100 lb.; wire nails, $3.05 base. Carlots are 10c. less. Several of the factories in the United States have advanced cut nails 10c. per keg, making the base price f.o.b. Pittsburg for less than carlots, $2.65.

In Canada, the price of smooth steel wire and wire nails is as follows: Toronto—Smooth steel wire, $3.35 base per 100 lb. f.o.b. factory; wire nails, base, $3.22½ in carlots and $3.30 per keg in less quantities. In Montreal, the price of wire nails is $3.17½ in carlots and $3.25 in less quantities. Fine steel wire has also been advanced, the discount being 12½ per cent. f.o.b. factory, instead of 15 per cent.

It is the general opinion that there will be a further advance before long, and hardwaremen will do well to keep their stocks well assorted.

Not only are prices in the United States, duty considered, relatively higher than in Canada, but the manufacturers in this country are finding it extremely difficult to secure raw material. We have one firm in mind which a few days ago tried to buy wire rods in the United States. Only one factory gave quotations, and that at a price 100 per cent. above purchases made early in the year. The others replied that they could not entertain any orders.

PIPE DEARER IN TORONTO.

Quotations on iron pipe are higher in Toronto this week, the figures per 100 feet now being as follows: Black pipe, ¼ to ⅜ inch, $3.60; ½ inch, $3.70; ¾ inch, $4.70; 1 inch, $5.90; 1¼ inch, $7.85; 1½ inch, $9.75; 2 inch, $13; 2½ to 6 inch, discount 50 per cent. Galvanized pipe, ½ inch, $6 50; ¾ inch, $8; 1 inch, $11.50; 1¼ inch, $16; 1½ inch, $20; 2 inch, $28.50.

GOLD MINING IN NOVA SCOTIA.

While the quantity of quartz mined in Nova Scotia from January to June increased from 41,208 tons last year to 50,718 tons this year, the production of gold in the same period decreased from 14,770 ounces last year to 13,307 ounces this year.

The principal producing mines, according to returns published in The Halifax Herald, show the following output of gold from January to June in the two years:

	1898. oz.	1899. oz.
Stormont	3,537	3,890
Sherbrooke	2,641	2,171
Brookfield	1,900	1,672
Uniacke	1,054	481
Salmon River	...	826
Wine Harbor	80	1,144
Leipsigate	967	541

From the Malaga Barrens mines, which produced 1,145 ounces of gold from January to May last year, no returns have been made this year. This in itself, would more than make up for the decrease in the output this year.

The prospects are that the remainder of 1899 and the succeeding years will witness a considerable development in many of the principal mines. Several mines in the Stormont, Sherbrooke, and Wine Harbor districts, and in Halifax and Hants counties, have passed into the hands of new companies, who have started to energetically work them.

TABLE CUTLERY DEARER.

Jobbbers in Canada have been notified of an advance of 7½ per cent. in the price of the cheaper grades of English table cutlery. This makes the total advance, so far, this year, in this line about 12½ per cent.

SPADES AND SHOVELS DEARER.

Spades and shovels of Canadian manufacture have again been advanced. The advance is in the list price, and is $1 per dozen all around. The discount remains unchanged, still being 40 and 5 per cent.

Scoops have also been advanced, being quoted $1.50 per dozen higher.

Present figures on spades and shovels are now $2 above the printed list, and on scoops they are $2.50 above.

The increased cost and scarcity of steel and handles are the causes advanced for he higher prices.

THE UNSEASONED RANGE.

By Fossil.

MR. AND MRS. NUWED had returned from their wedding tour and were commencing the serious business of housekeeping, at which both were equally proficient, being of the boarding-house class, with little ideas of cooking operations. The necessity of a cooking range was apparent, and, after much advice from interested female friends, each of whom recommended the range that she or her mother was using, together with many visits to all the stove stores available, one was bought, set up and rashly warranted to operate to the satisfaction of the purchaser. I say rashly, because, although the dealer was familiar with the capabilities of the range, he was all at sea regarding the capabilities of his customer, but became wiser later, as this chronicle will relate.

The dinner that was to be cooked by her own fair hands "on our own range" was eaten in anticipation while yet the honeymoon was at its full. But when it was expected to materialize it didn't "pan out" to please the cook, and Mr. Nuwed found her with a fiery face and a temper to match, telling how she had followed the directions of the cook book exactly, but everything went wrong and the range was no good.

When the culinary trouble was temporarily quieted by recourse to a restaurant Mr. N. went for that stove dealer, being loaded as if for bear, and discharged the vial of his wife's wrath—a 4-ounce one, metaphorically—on the head of that erring man, who meekly replied, as became his relative position, that he regretted the bad behavior of the range, that it was the only one of its family to cut up so, but he would send an expert to diagnose the case, which was probably some minor derangement easily remedied. The expert poked in the flues, wigwagged the dampers, tested the draft, after his kind, and pretended to find a screw loose, though he didn't. After that there were times of improvement—rare, it is true, but relieving to the dealer and causing less regretful memories of mother's cooking to Mr. N., though, like a prudent man, he never thought aloud. Notwithstanding these intervals of docility the range in the main continued its contumacious conduct, causing Mr. N. to take dinner away from home with the thin excuse of a pressure of business and a declaration by Mrs. N. that "she wasn't agoing to try to cook on that horrid old range any more, and if he didn't make Sellem exchange it right away she would give up housekeeping and go to live with mother; so there." This impending danger was reported to the stove man, who, while enjoying some unspoken cuss words, promised to put an immaculate range in the place of the erring one at once. Before this could be done, however, the drummer man of whom the depraved range had been bought made his usual business visit, and, being informed of the state of things, volunteered to put them right. He had the dealer send a note to Mrs. N., saying a representative of Push & Co. would call with him that p.m. to examine the range, if agreeable to her.

Now, mark the wisdom of that drummer man. He didn't rush into Mrs. Nuwed's kitchen in the forenoon and unexpected, but waited till the hour when ladies are supposed to be ready to see callers. Being shown into the sitting-room, of course there was a little talk of polite nonsense, and soon a leading to the motive of the visit, with an invitation from the lady to walk into her kitchen, which she said "wasn't fit to be seen." The drummer looked the range over, saying, "It works better now than formerly, doesn't it?"

"Y-e-s, a little; but not as I expected."

Then the drummer began a more complete examination, ending with, "Ah, I see it now." Then he consulted his order book, saying to Sellem, "We made a mistake in shipping this range to you while it was green. It should have had the same seasoning in our warehouse that it is getting in this lady's kitchen. I regret the trouble it has caused, but can see that it has been used carefully, and I assure you, madam, that if you continue to use it it will operate in a few days in a way to surprise and please you."

A subsequent note from Mr. Nuwed said: "Everything is lovely now in our kitchen. There was formerly something green there, but it wasn't the range."—Metal Worker.

ANTICIPATED CUT ON ST. JOHN.

It is a little early yet to make a definite estimate as to the cut this coming season upon the St. John, but from information gleaned from well-informed sources by the St. John Sun the following may be considered a pretty accurate forecast of the amount to be cut upon the upper St. John river:

	Feet.
W. J. Nobles and Robert Nobles, for Cushing	10,000,000 to 12,000,000
Guy McCallum, for C. F. Woodman	5,000,000 to 6,000,000
John Kilburn, for W. H. Murray	8,000,000 to 10,000,000
Silas Dickie, for Stetson	5,000,000 to 6,000,000
John Stevens, for E. L. Jewett	2,500,000 to 3,000,000
J. A. Morrison	3,500,000 to 4,000,000
Cunliff & Sons	7,000,000 to 8,000,000
Neil McLean	3,000,000 to 4,000,000
John R. McConnell, for Ashland Lumber Co.	10,000,000 to 12,000,000
F. H. Hale	8,000,000 to 10,000,000
R. A. Estey	4,000,000 to 5,000,000
Adam Beveridge	2,000,000 to 2,500,000
George Baird	2,000,000 to 3,000,000
D. McKeswick	2,000,000
Various other small operators	10,000,000

A BRONZE MEDAL FOR BRUSHES.

The directors of Toronto's Industrial Exhibition for 1899 have awarded Boeckh Bros. & Company a bronze medal for their display of brushes, brooms and woodenware, and a diploma for the patent adjustable display tables. This firm manufacture all their own goods, and the factories are located in Toronto, and cover an area of over 50,000 square feet. Boeckh Bros. & Company have exceptional facilities for storing hundreds of casks of bristles and other raw materials, such as brush ferules, block handles, broom corn, etc. All their raw materials are imported direct from the producers, enabling this firm to reduce the cost of manufacturing and handling to a minimum. The brush, broom and table factories are all lighted with electricity, generated by the firm's own plant. The sample-rooms, offices and warehouse, are located at 80 and 88 York street, and 12 Clarence street, where thousands of dozens are shipped daily, and several carloads in the course of a week's time.

DEATH OF EDWARD LEADLEY.

Mr. Edward Leadley, head of the firm of E. Leadley & Co., wool merchants, of Front street east, Toronto, died at an early hour on Sunday last. Mr. Leadley had been ailing for just a week, having been at church the previous Sunday. Death was the result of a complication of kidney trouble. The deceased, who was 72 years of age, was a native of Scarboro', Yorkshire, England. He came to the United States from England in 1850, and went into the grain and milling business in Dundee, New York State, remaining there until 1863. In that year he came to Toronto and engaged in the wool and hide business at the corner of Queen and Crawford streets, which is now a branch buying house of the firm. A few years later he occupied the present warehouse on Front street, where a continually increasing business was done. Amongst his friends Mr. Leadley was known as a very rich man. Although he never made any parade of his wealth he was undoubtedly a millionaire.

WIRE NAILS
TACKS
WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

At a meeting of the creditors of E. D. R. Phillips, general merchant, Bath, N.B., held last week, 30c. cash on the dollar was offered.

Quinn & Allard, sawmillers, Conception Station, Que., have consented to assign.

Mrs. C. G. Levesque, general merchant, St. Flavie Station, Montreal, has assigned.

A. S. Hay & Co., general merchants, Thornbury, Ont., have assigned to James Harwillie.

David Neima, general merchant and jeweler, Newcastle, N.B., is offering 25c. on the dollar.

Gagnon & Caron have been appointed curators of J. N. Dugan & Co., general merchants, La Baie, Que.

H. H. Mosher, general merchant, etc., Apple River, N.S., has assigned to Amos B. Etter, official assignee.

Henry Glenny, hardware dealer, Montreal, has assigned to Alex. Desmarteau, and is offering 50c. on the dollar.

George A. Eastman has been appointed trustee of the estate of Gain & Roy, general merchants, Cascade City, B.C., vice James Good.

A meeting of the creditors of Alexander Henderson, general merchant, Shawbridge, Que., has been held at the office of W. Barclay Stephens.

The Hamilton Hardware Co., Limited, Hamilton, Ont., have assigned to J. E. Bull, and a meeting of their creditors has been called for September 25.

PARTNERSHIPS FORMED AND DISSOLVED.

H. & N. B. Lewis, general merchants and outfitters, Yarmouth, N.S., have dissolved.

Temple & Bolton, general merchants, Napinka, Man., are advertising dissolution. W. H. Bolton continues alone.

SALES MADE AND PENDING.

W. Nichol, blacksmith, Burford, Ont., is advertising his business for sale.

T. P. Campbell, general merchant, Kitchener, B.C., has sold out.

The stock of Pigeon & Co., general merchants, Ottawa, has been sold at 40c. on the dollar.

The general stock of J. L. Richardson, Albert, N.B., has been sold under execution of judgment.

The assets of The Drummondville, Que., Foundry Co., which is in liquidation, are advertised for sale by tender.

The assets of the Nanaimo Equitable Pioneer Society, Limited, general merchants, Nanaimo, B.C., are advertised for sale by tender.

CHANGES.

Wiebe Bros., general merchants, Rosenfeld, Man., have sold out to L. Goldstein.

BEST PAINT SELLS BEST.

At the beginning of our business career the question of how to make the paint that sells best resolved itself into how to make the best paint. We recognized that a good article—the best that can be made—sold at a fair price, is the surest to succeed.

We have clung to this principle persistently. We will sacrifice nothing to quality. We seek to do only those things that can make our paints the best.

We watch every detail of our paint making with the most scrupulous care to see that nothing but the best enters into it. The best material, the best workmanship, the best machinery, the best methods are the only things that can pass our strict censorship. We reject everything that falls below our high standard.

Do you want the paint that sells best—to day and every day? We make it.

THE SHERWIN-WILLIAMS CO.
PAINT AND VARNISH MAKERS.

Canadian Division :
21 St. Antoine St.,
Montreal.

CLEVELAND.
CHICAGO.
NEW YORK.
MONTREAL.
BOSTON.
TORONTO.

S. Hogg, blacksmith, Beeton, Ont., has retired from business.

Robert Parker, blacksmith, Belwood, Ont., is giving up his business.

Alex. Russel, general merchant, Belwood, Ont., is removing to Elora, Ont.

Strong & Co., general merchants, Cannington, Ont., are removing to Toronto.

Laurin & Smith, general merchants, Point Gatineau, Ont., have disposed of their dry goods stock.

C. S. Purdy, general merchant, Great Shemoque, N.B., has been succeeded by Purdy Bros.

A. W. Hay, general merchant, Lower Woodstock, N.B., has been succeeded by D. W. Matheson & Co.

M. Anderson, general merchant, Shedden, Ont., has sold out to C. L. Stafford, who takes possession about October, 1, 1899.

George Bell & Co., general merchants, Enderby and Revelstoke, B.C., are giving up their Revelstoke business, and are opening at Nelson, B.C.

FIRES.

Taylor, Scott & Co., manufacturers and dealers in brooms and woodenware, Toronto, have suffered small damage by fire ; covered by insurance.

DEATHS.

James A. Sinnott, late general merchant, Apohaqui, N.S., is dead.

John Lawson, machinist, Toronto, is dead.

J. W. Murray, blacksmith, Avondale, N.S., is dead.

James Baird, of Baird & Co., tinsmiths, Montreal, is dead.

CANADIAN CUSTOMS DECISIONS.

The Minister of Customs has given his approval to the following decisions by the Board of Customs :

Articles.	Tariff.	Rate.
Woven wire fencing or other wire fencing, specified in tariff item 263, shall not include woven wire or netting made from wire smaller than 14 gauge	270	30 per cent.
Pruning shears	290	25 "
Straw-cutter knives	290	25 "
" Lithopone " (commercial zinc, white)	158	5 "
Charlton zinc, white	158	5 "
Refrigerating plant, coils, and condensers	321	30 "
Engine and compressor	315	25 "
Antimonial lead, in pigs, provided, however, in respect of any importation of above article that, if it is established by analysis to contain over 12 per cent. of antimony, the importation shall be classed as babbitt metal or type metal	272	15 "

A Burford, Ont., correspondent writes that the merchants of that place are at present closing their business places at 8 o'clock all evenings, except Saturday, and that they may continue to do so throughout the fall and winter.

AMONG TORONTO RETAILERS.

Window Displays.

A short while ago I made note of two window displays which I considered excellent. In one of these were cutlery and other small shelf hardware articles; in the other were carpenters' tools. Every article was accompanied by a small price ticket. Both displays were designed to attract and sell goods to exhibition visitors. One of the clerks in the store making these displays told me this week that he was confident that during the two weeks of the exhibition the windows were responsible for the sale of more than $500 worth of goods. His calculations were based on the number of buyers who came in and ordered one article or another "just like that in window." Such sales were continuous, and frequently as much as $3 worth of carpenter's tools were ordered in this way. This style of display is always good, but is especially so on occasions such as exhibition time.

Rack for Penknives.

A simple but excellent method of displaying penknives is being adopted by several hardwaremen in the city. The idea originated, I think, with the Vokes Hardware Co., Limited, Yonge and Adelaide streets. It consists of a strip of wood running horizontally across the face of the window about on the level with the head of a person on the walk outside. Into this strip the knives are stuck by one blade, the remaining blades being exposed to view. The strip of wood used by the Vokes Company is bound at the sides with brass. Another pretty strip is made by gilding the wood. The favorite plan is to group the knives on the rack according to price. An even better method of showing knives, though neither so simple or so new, consists of small hoops suspended from the ceiling, into which the knives are attached in the same way as on the rack. Three of these hoops hung near the window front, with the centre one a foot or so higher than the others, make a very attractive show.

A Good Shot and Powder Stand.

One of the clerks in J. T. Russill's store "in the market" has constructed a unique and exceedingly useful stand for holding powder and shot. It is a hardwood stand about four feet long and eighteen inches deep. It is divided by sheet iron into 30 compartments, in two rows of 15 each, one row above the other. Each of these compartments has a separate glass front running to within two inches of the floor. In this two inches is placed a slide door made of tin. The floor of each compartment is built slanting from the back to the front so that all the powder or shot in it will easily run through the slide to any receptacle held under it. The compartments, or bins hold 35 lb. of shot each. They are fed from the top. The tube to the bottom row of bins runs through the top row. The advantages of a stand like this over the tin shot cans are apparent. As the bins have a glass front, customers can tell easily which size they want and there can be no excuse for allowing stocks to run down. The economy in handling is obvious, as both shot and powder run easily down such a slide, and as all sizes are together, and are labeled, no time is lost looking for the size wanted. The saving in space and the superior attractiveness of such a stand are also considerations which help to recommend it as a valuable idea for hardwaremen to adopt. Mr. Russill intends having made a measure which will be guaged to hold 1 lb. of shot. This will help to further economize time in handling.

THE RAMBLER.

The promoters of The Hamilton, Ancaster and Brantford Electric Railway Company have not been able to make arrangements with New York capitalists to build the line, and the project will likely fall through, unless it is taken up by The Cataract Power Company.

The lumber camps during the coming winter bid fair to display much of the old time activity. Men are scarce and wages are high. An Ottawa letter states that operations in the Georgian Bay district will be very active, and that good men will command high wages. The price now being paid is $25 a month, as compared with $18 last year.

ADVANCE IN LOCKS.

The different makers of high-grade locks in the United States, such as the Yale-Towne Manufacturing Co., Sargeant & Co., and Russell & Erwin, have entered into an arrangement whereby their locks will be sold at uniform figures.

Prices have been advanced 33⅓ to 50 per cent., and the manufacturers, in explanation, point out that the increase in the cost of raw material is, in some instances, over 100 per cent. Even at the advance they refuse to quote, except for immediate acceptance.

Our quotations on American locks have been advanced 75c. per doz.

Canadian-made locks are also higher, the discount being 33⅓ per cent. instead of 40 per cent.

PRIDE AND FAILURES.

"I think pride has more to do with failures in business than any other one cause," said a merchant to the Woonsocket Call. "A man in business falls in love with his establishment, and after he goes along for a few years he dislikes very much to reduce it if it becomes apparent there is a leak somewhere that should be stopped. For instance, he may find that some part of the business is running at a loss, and the proper thing to do is to cut it off. But he is afraid that people may talk about it and size it up as a sign that he is going back. That would hurt his pride, and he refuses to do what his business sagacity tells him should be done. I can name several men who sacrificed their business because their pride would not let them sacrifice one part of it at the proper time."



IVER JOHNSON

Shot Guns

AND . . .

Revolvers

IVER JOHNSON SAFETY HAMMER AUTOMATIC REVOLVER.

Sold by leading Jobbers. . .

Accidental discharge impossible.
The only way to discharge the weapon is to pull the trigger.

Iver Johnson's Arms & Cycle Works

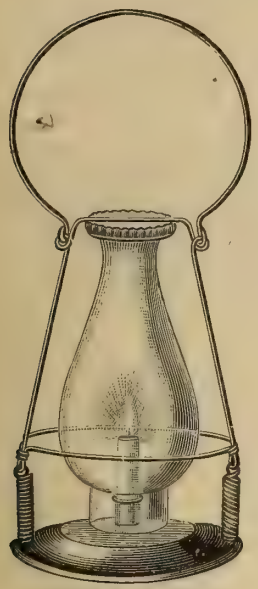
FITCHBURG, MASS.

BRANCHES—
NEW YORK—99 Chambers St.
BOSTON—408 Washington St.
WORCESTER—304 Main St.

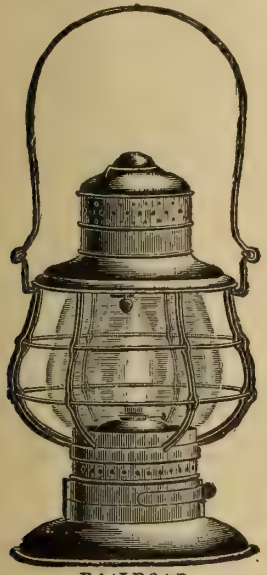
H. S. HOWLAND, SONS & CO.

37-39 Front St. West,
Only Wholesale. TORONTO.

LANTERNS



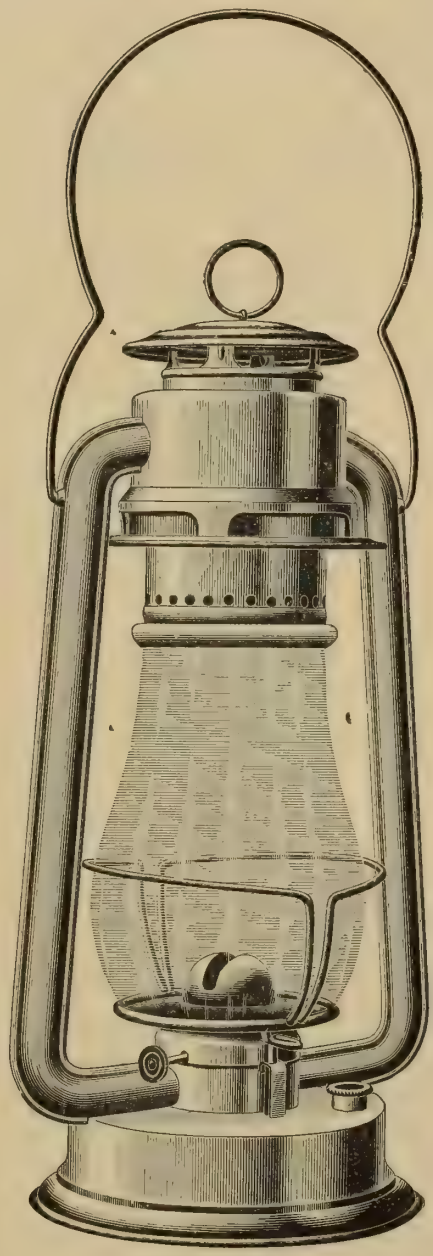
CANDLE LANTERN.
No Glass. With Glass.



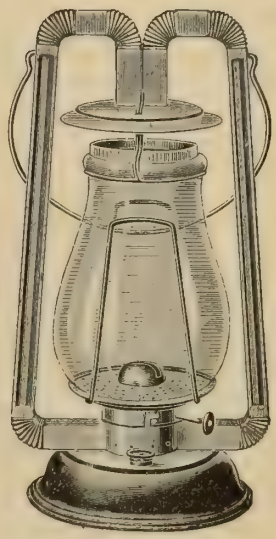
RAILROAD.
No. 39 —⅝-in. Wick.
1-in. Wick.



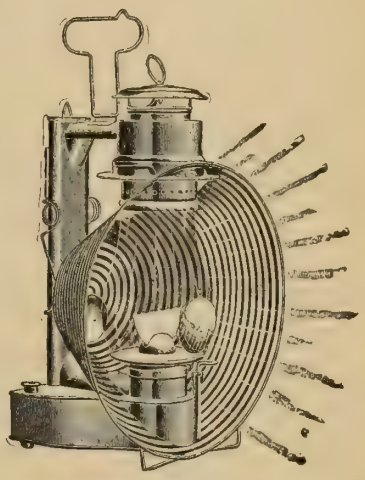
GEM.
Brass.—⅜-in. Wick;
Nickeled.—⅜-in. Wick.



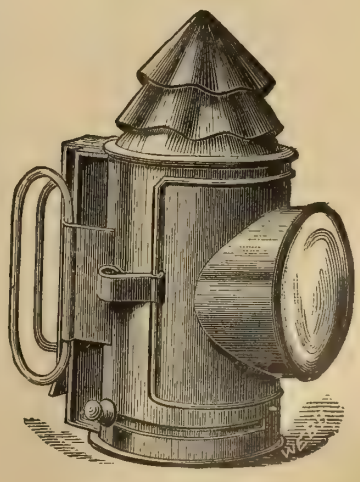
COLD BLAST.
No. 1 —⅝-in. Wick. **No. 2.**—1-in. Wick.
Brass Bottom.
No. 2.—1-in. Wick.



No. 1.—⅝-in. Wick.



SEARCH LIGHT.
No. 20.—Japanned.



POLICE LANTERN.
American, 2¾-in. Glass.
American, 3-in. Glass.

H. S. HOWLAND, SONS & Co.

TORONTO.

Our Prices are Right. **Graham Wire and Cut Nails are the best.** Orders Filled Promptly.

TIN ROOFING.

By W. C. Cronemeyer.

THERE is nothing perfect in this world, and, therefore, something may be said against any and every kind of roofing material, but considering the pro and contra in all of them, a good tin roof will rival the best. While it requires a good quality of terne plate to make a good roof, it is evident that good workmanship is fully as essential.

Terne plates are finished in several ways. Some come out of the tinning or coating process covered with a coating of the oil through which they are drawn in the finishing process. Others come out with the oil entirely removed. The former have a dull and the latter a brighter appearance. When using thin-coated ternes, the latter have the advantage of enabling the roofer when soldering the plates to quickly detect any defects which may be in the terne coating of the sheets, but these should be painted immediately after being laid on the roof, to prevent oxidation in case of rain or a heavy dew. The dull-colored or oil-covered sheets will withstand oxidation better temporarily, but any possible defects in the plates cannot be as easily discovered, on account of the oily surface.

Roofs with less than one-third pitch should in all cases be covered with heavily-coated and redipped plates, and the mixture of the coating should be one third tin and two-thirds lead. This alloy has been proved to be the most durable coating, as I found out myself in a series of experiments made during several years.

Flat roofs less than one-third pitch are put up with flat seams, and 14 x 20 inch sheets are preferable to 20 x 28 inch, because the larger number of seams stiffens the surface and helps to prevent buckles. On a flat roof, the sheeting boards underlying the roofing plates must be perfectly dry, and all knots should be culled out. It is desirable to cover the boards with plain sheeting paper before the tin is laid on. In such cases, it will not be necessary to paint the under side of the metal sheets before they are laid on the roof, but, if no paper is used, the sheets should be well painted on the under side with good reliable oil paint—not benzine and brick dust.

For a flat seam roof, 1-inch barbed roofing nails should be used, not over 6 inches apart, well under the edge, and should be well covered up, pounding down the seams over them. Nails must never be exposed. Late observations have demonstrated the fact that IC roofing plates are more desirable than IX, because the seams in the lighter plates will not suffer as much from contraction and expansion in cold and hot weather as the thicker plates, but for spouts and valleys the IX plates should be used.

Steep tin roofs should be made with standing seams, fastened down with cleats, not over 2 feet apart. Nails should be driven in the cleats only. Roofing plates with a lesser coating may be used for steep standing seam roofs, but the sheeting boards should be thoroughly seasoned and covered with sheeting paper. For valleys and gutters, the best heavy-coated redipped IX plates should be used in all permanent buildings. The use of acid in soldering seams in tin roofs is to be carefully avoided. The acid coming in contact with the bent over edges, which naturally suffer from the strain of bending, will cause the roof to rust speedily at the seams. No other soldering flux but good resin should be used.—Iron and Coal Trades Review.

LIVELY ADVERTISING AGENCY.

One of the most progressive of the younger advertising agencies of this city is the Snow-MacKay Advertising Agency, which has recently moved from the Devonshire Building into larger quarters on the fifth floor of the Niles Building, 27 School street. A suite of connecting rooms, numbered 68, 69, and 70, now affords ample space for the Agency to carry on its increasing business, and, at the same time, it is so located as to give opportunity for further expansion.

At the head of the Agency is Henry E. Snow, who for 10 years has been an expert advertising writer of this city, doing original and highly commendable work for large advertisers. Prescott Warren, well known in Boston newspaper circles, is the treasurer of the firm. A. Q. Miller, for many years manager and confidential clerk of the Niles Advertising Agency, and later advertising manager for 14 years for the W. L. Douglas Shoe Company, is also connected with the Snow-MacKay Agency.

The Snow-MacKay Agency has a large clientage of business houses, which have profited by its up-to-date methods and its singular ability to insure returns for the advertiser by means of its well-constructed advertisements. It is proud of the fact that it has never lost a customer, and now, in its new quarters, with increased facilities, it is already enlarging its list of patrons.—Herald, Boston.

The contract for a new wharf at Gimli, on Lake Winnipeg, to cost $9 600, has been let to John Johnson, Vopni. The work of building the pier will be begun at once.

The ore at the nickel mines at St. Stephen, N.B., is developing well. A large blast was discharged on Monday evening, and the ore now coming out is very rich.

IRON PRODUCTION STATIONARY.

THE Iron Age, in its monthly review of the pig iron production, says: "While there have been a net increase in the number of plants working, the pig iron industry did not enter the month with any increased capacity. This is principally due to the fact that the August product, upon which the estimate of capacity is based, was cut down from a variety of causes. Nearly all the furnaces have not been doing as well during the hot weather as they do at other times. Then, too, while a number of new comers have started, whose capacity is relatively small, a number of more modern stacks have been forced to blow out for repairs. The fact, so often dwelt upon, is once more illustrated, that beyond a certain point production can only be forced very gradually. It must be borne in mind, however, that the superhuman efforts now being made to bring all the available capacity into line will tell, and we expect to note a steady increase in the make—barring accidents. The weekly capacity of the furnaces in blast on September 1 compares as follows with that of preceding periods :

	Furnaces in Blast.	Capacity Per Week. Gross tons.
September 1, 1899.	257	267,335
August 1.	244	267,672
July 1	237	263,363
June 1	220	254 062
May 1	217	250,605
April 1	205	245.746
March 1,	192	228,195
February 1	195	237,639
January 1	200	243.516
December 1, 1898.	195	235,528
November 1	196	228,935
October 1	192	215,635
September 1	186	213,143
August 1	187	206,777
July 1	185	216,311
June 1	190	225,398
May 1	194	234,163
April 1,	194	233,339
March 1	193	234,430
February 1,	184	228,338
January 1	188	226 608
December 1, 1897.	191	226,024
November 1	183	213,159
October 1	171	200,128
September 1	161	185,506

The position of furnace stocks, sold and unsold, as reported to us, was as follows on September 1, the same furnaces being represented as in former months. This does not include the holdings of the steel works producing their own iron :

Stocks—	April 1.	July 1.	Aug. 1.	Sep 1
Anthracite & coke ...	229,907	114,788	107,270	107,321
Charcoal	82,056	54,547	42,998	30,500
Totals.....	311,963	169,335	150,268	137,821



STANDAND GOODS.

Banner Cold Blast Lanterns.
Climax Safety Tubular Lanterns.
Victor Acetylene Bicycle Lamps.

Best material, Superior workmanship, Brilliant light.

Manufactured by

THE ONTARIO LANTERN CO.
HAMILTON, - ONT.

For sale by all prominent Hardware and Lamp Goods Merchants

Enameline

The Modern STOVE POLISH



PASTE.



LIQUID.



CAKE.

We present herewith cuts showing the three different forms of package in which Enameline is put on the market. The enormous amount of advertising being done to familiarize housekeepers with the name enables merchants to make quick sales. Don't load up with unknown brands—that's dead stock.

J. L. PRESCOTT & CO., New York.

SEALED TENDERS, addressed to the undersigned, and endorsed "Tender for Public Building, Woodstock, Ont.," will be received at this office until Tuesday, 3rd October, 1899, for the erection of a public building at Woodstock, Ont., according to a plan and specification to be seen at the Department of Public Works, Ottawa, and at the office of A. S. Ball, Esq., Barrister, Woodstock, Ont.

Tenders will not be considered unless made on the form supplied, and signed with the actual signatures of the tenderers.

An accepted bank cheque, payable to the order of the Minister of Public Works, equal to ten per cent. (10 p. c.) of the amount of the tender, must accompany each tender. The cheque will be forfeited if the party decline the contract or fail to complete the work contracted for, and will be returned in case of non-acceptance of tender.

The Department does not bind itself to accept the lowest or any tender.

By order,
E. F. E. ROY,
Secretary.

Department of Public Works,
Ottawa, Sept. 15th, 1899.

Newspapers inserting this advertisement without authority from the Department will not be paid for it. (39)

SEALED TENDERS, addressed to the undersigned, and endorsed "Tender for raising Barrack Building, &c., Regina." will be received at this office until Wednesday, the twenty-seventh September, 1899, for raising and underbuilding a Barrack Building, together with the Mess Room and Kitchen connected therewith, at Regina, N.W.T.

Plans and specification can be seen on application to the Officer Commanding the North-West Mounted Police at the Barracks, Regina, at the office of Mr. D. Smith, Clerk of Works, Winnipeg, Man., and at the Department of Public Works, Ottawa.

Tenders will not be considered unless made on the printed form supplied, and signed with the actual signatures of tenderers.

An accepted bank cheque, payable to the order of the Honourable the Minister of Public Works, equal to ten per cent of the amount of tender, must accompany each tender The cheque will be forfeited if the party decline the contract or fail to complete the work contracted for, and will be returned in case of non-acceptance of tender.

The Department does not bind itself to accept the lowest or any tender.

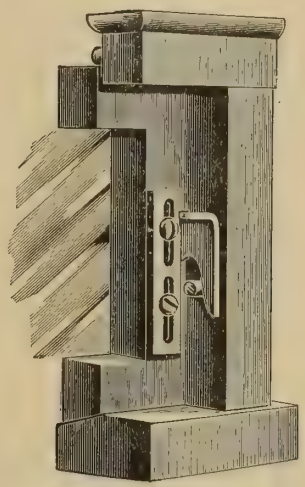
By order,
E. F. E ROY,
Secretary.

Department of Public Works,
Ottawa, Sept. 5th, 1899.

Newspapers inserting this advertisement without authority from the Department, will not be paid for it. (39)

John Milne & Co., stove dealers, 234 Yonge street, Toronto, have opened a branch store at 26 Dundas street West Toronto Junction.

Moore's Patent Improved Wrought Steel Storm-Window Fastener.



Inside Fastener.

Patented in United States and Canada.

THE only perfect Storm-Window Fastener yet invented. Over half a million sets now in use in the United States and Canada. Put up in one dozen sets; four in a set. Packed with screws and directions. Large working model furnished with all orders of half a gross or over.

$1.75 a dozen.

One gross sets in a case, $15.00 per gross.

SOLD TO THE TRADE.

Manufactured by

C. R. MOORE, Stanstead Junction, P.Q.

For Sale by **Rice Lewis & Son,** Wholesale Hardware, **TORONTO, ONT.**



The Leader Lawn Swing

Children's Delight, Satisfying to all, Perfectly Safe, Very Strong, Most Restful and Invigorating.

ORDER NOW.

THE DOWSWELL MANUFACTURING CO., LIMITED,
HAMILTON, ONT.

MARKETS AND MARKET NOTES.

QUEBEC MARKETS.

MONTREAL, September 22, 1899.

HARDWARE.

CONTINUED strength is still the remarkable fact of the hardware and metal situation. Wire nails have not rested at the advance noted last week, but have scored an even sharper rise of 20c. per keg. Wire of all sorts is quiet but firm. Cut nails are inactive. Fence staples have advanced 10c. An active business is noted in screws, bolts, nuts, etc. Bar iron is 10c. higher, and demand is brisk, while galvanized iron is strong, also tinplate, Canada plate and black sheets, supplies of all lines being relatively light.

BARBED WIRE — Business is extremely quiet in this material, and prices are unchanged at $3 f.o.b. factory, and $3.10 to $3.15 in a jobbing way.

SMOOTH STEEL WIRE — The demand is fair and prices are firm at the rise: $3.15 for Nos. 6 to 9 base.

GALVANIZED WIRE — Prices steady and trade moderate. We quote: No. 9, $3.15; No. 12, $3 30; No. 13, $3.45; No. 15, $5.15, and No. 16, $5.30.

FINE STEEL WIRE—Discounts 15 per cent., with demand lighter.

BRASS AND COPPER WIRE — Quiet and steady. Discounts at 50 and 2½ per cent. on brass and 45 and 10 per cent. on copper wire.

FENCE STAPLES —Have advanced 10c. for bright and 15c. for galvanized, the prices now being $3.35 on bright, and $3.95 on galvanized.

FINE STAPLES—Remain steady. Discounts are: Cooper, 55; poultry netting, 45, and electrician, broom, bed, etc., 40 per cent. off.

WIRE NAILS—There has been another rise in wire nails, the advance being more acute than that of last week. The base prices is 20c. higher than it was, now being $3.25 Montreal.

COPPER WIRE NAILS—Quiet, with a firm tone at 50 per cent. discount.

CUT NAILS—This market continues quiet, but prices are steady at $2.25 per keg f.o.b. the usual delivery points.

FLOUR BARREL NAILS —As last noted. Flour barrel 30 and coopers' nails 35 per cent. discount.

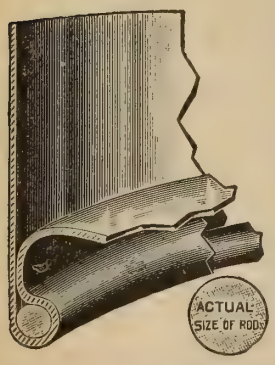
BOAT NAILS—Steady at 33⅓ discount off black and galvanized.

GALVANIZED ROOFING NAILS—Firmly held at 8c. per lb., with 15 per cent. discount.

PRESSED SPIKES — Steady. Discounts 30 per cent.

HORSE NAILS—Strong, though business is quiet, at 50 per cent. discount on standard and 50 and 20 on other brands.

HORSESHOES—Firmly held. We quote: Iron shoes, light and medium pattern, No. 2 and larger $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4; X L steel shoes, new light pattern, No. 2 and larger, $3.90; No. 1 and smaller, $4.15; featherweight, all sizes, Nos. 0 to 4, $5.15; and toe weight steel shoes, all forward, all sizes $6.25 f.o.b. Montreal, St. John, N.B., and Halifax, N.S. Delivered f.o.b. in Toronto, Hamilton, London and Guelph 10c. per 100 lb. extra.



PATENT APPLIED FOR.

"SAMSON"

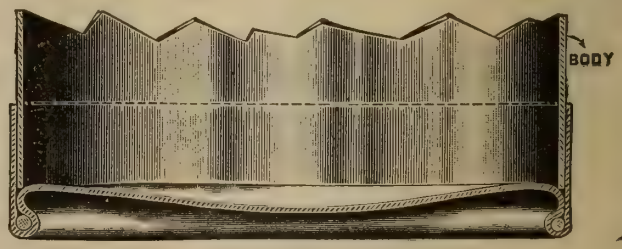
SEAMLESS MILK CAN BOTTOM.



MADE OF ONE PIECE, WITH LARGE ROLL RIM.

Sizes—15, 20, 25, 30, and 40 gallons.

Being made of **ONE PIECE OF HEAVY SHEET STEEL,** without rivets or abrupt corners, there is no place for dirt or soured milk to lodge.
A THREE-EIGHTH INCH IRON ROD is inserted, making the roll on bottom solid, which cannot be bruised.
Being **soaked in melted tin,** the rod and bottom become as one piece, wearing away (always round) without leaving any sharp or ragged edges to tear the flooring.
There are no hoops to break or tear away.
The large roll on bottom makes it easy for filled cans to be drawn over the floor.
THE METAL IS NOT STRAINED IN MAKING.
It provides a good receptacle for body tin and soldering.
Buy the best, they cost the same as others.
See the samples our travellers are carrying before placing your orders.



MILK CAN BODY TIN, IN ALL SIZES
CHEESE VAT TIN, AND GAUGES.

The McClary Mfg. Co.,

LONDON, TORONTO, MONTREAL, WINNIPEG, VANCOUVER.

Galvanized iron is booming. We've got to choose between being prompt with regular customers, and being behind with everybody.

Apollo Iron and Steel Company, Pittsburgh.

Cements { PORTLAND, ROMAN, KEENE'S

Bricks . . { FIRE, BUILDING, PAVING

Sand . . . { SILICA FIRE, MOULDING, BUILDING

F. HYDE & CO.

31 Wellington street, MONTREAL

English Castor Oil

GUARANTEED PURE.

Pharmaceutical, Tasteless, Cold Drawn
First Pressure
Second Pressure

In cases of 2 tins and in barrels. Stocked by all Hardware, Oil and Color men.

The Hull Oil Manufacturing Co.
LIMITED

B. & S.H. THOMPSON & CO.
Agents for Canada - MONTREAL

CANADA IRON FURNACE CO., Limited

Manufacturers of

CHARCOAL PIG IRON

MONTREAL.

BRAND "C.I.F." THREE RIVERS

PLANTS AT

Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.

Geo. E. Drummond,
Managing-Director and Treasurer

SCREWS — There is a brisk trade doing at steady prices. Discounts are as follows: Flat head, bright, 80 and 5 per cent; round head do., 75 and 5; flat head, brass, 75 and 5; round head do., 67½ and 5.

BOLTS — Inquiry is good for stove and carriage bolts. Discounts are: Carriage bolts, 5-16 and smaller, 55 per cent.; ⅜ and up, 50 per cent.; full square bolts, 65 per cent.; machine bolts, 55 per cent.; coach screw bolts, 67½ per cent., and sleighshoe bolts, 72½ per cent.

NUTS AND WASHERS — Fairly active and steady. We quote: Square, 3¾c. and hexagon 4¼c. per lb.; discount off list. Washers in 50-lb. boxes are 50 per cent. discount.

CORDAGE — Firm, with a good inquiry at the recent advance. We quote: Manila, 7-16 and up, 15c.; ⅜, 15½c., and ¼ and 5-16, 16½c. Sisal, 12½c. for 7-16 and up; 13c. for ⅜, and 14c. for ¼ and 5-16.

WRINGERS — There is a fair trade at $48 to $60, as to grade, with 45 per cent. off.

BUILDING PAPER—A moderate business is noted. We quote: Plain building, 28c. tarred lining, 35c.; tarred roofing, $1.40, and carpet felt, $2.25.

RIVETS—A good inquiry is noted. Discounts are: Black and tinned, 45 per cent.; ditto burrs, 40 per cent.; copper rivets and burrs, 35 per cent.

CEMENT—The cement market is steady. We quote: Belgian, $1.90 to $2.10; English, $2.30 to $2.40, and German, $2.45 to $2.65, per cask ex wharf.

FIREBRICKS — Steady and unchanged at $17 to $23 per 1,000, as to brand.

METALS.

There is no striking change in the heavy metal situation, values, as a general rule, maintaining their firm tone. Trade in all lines is fair.

PIG IRON—This market is still very firm with a few sales of No. 1 Summerlee and equal brands at $24 and $25.

BAR IRON — An active inquiry is experienced, and prices have advanced 10c., the range now being $2.20 to $2.25.

BLACK SHEETS—These are firmly held and the movement is checked by light stocks. We quote: 8 and 15, $2.60; 18 and 20, $2.30; 22 and 24, $2.50; 26, $2.60, and 28, $2.65.

STEEL—Prices are higher than last week and quotations vary considerably, owing to difference of opinion between sellers and quotations vary as much as 5c. to 10c. per 100 lb. We quote: Sleighshoe, $2.60 to $2.70; tire, $2.65 to $2.70; spring, $2.90; machinery $3.50, and toe calk, $3.10 to $3.25.

GALVANIZED IRON — Firmly held under light stocks, and a good inquiry at $4.75

IRON STEEL WIRE

Tinplates
Sheet Metals
Close prices for import. **Ingot Tin, etc.**

A. C. LESLIE & CO.
MONTREAL.

SITUATION VACANT.

WANTED — TINSMITH, AS FOREMAN IN w rkshop, who understands hot-air and hot-water heating, with a fair knowledge of plumbing. Must be total abstainer. Apply, stating salary with references, The Smith & Fergusson Co., Limited, Regina, N.W.T.

EXTENSION OF TIME.

The time for receiving tenders for the supply of wire for the Yukon Telegraph Service, is hereby extended from the twentieth September to the fifth October, 1899.

By order,

E. F. E. ROY,
Secretary.

Department of Public Works,
Ottawa, Sept. 18th, 1899.

Newspapers inserting this advertisement without authority from the Department, will not be paid for it.

ADAM HOPE & CO.

30 JOHN STREET N.

Hamilton, Ont.

PIG TIN

50 TONS STRAITS

Per S.S. "Macduff" and "Mesaba."

PROMPT SHIPMENT FROM

MONTREAL, TORONTO, HAMILTON.

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

for No. 28 gauge, and $4.75 to $4 85 is the range, with No. 24, $4.25 to $4.50.

INGOT COPPER — The metal is easier outside, but prices here are unchanged at 19½c. to 20c.

INGOT TIN — Small stocks lead to firm values, 36c. being asked, but abroad the metal has been easier lately.

PIG LEAD—In London lead has gone up 3s. 9d. the ton, but spot prices are unchanged and business quiet at $4.25.

LEAD PIPE —Firmly held. We quote: Ordinary, 7c., and composition waste, 7½c., with 20 per cent. discount.

IRON PIPE — Prices are firm at the rise with an upward tendency. We quote: Black pipe, ⅛-inch, $3.41; ¼ and ⅜-inch, $3.30; ½-inch, $3.41; ¾-inch, $3.83; 1-inch, $5.51; 1¼-inch, $7.24; 1½-inch, $9.08 and 2-inch, $12.07 per 100 feet net. Galvanized, ¼-inch, $3.62; ⅜-inch, $4.18; ½-inch, $6.24; ¾-inch, $7.96; 1-inch, $11.24; 1¼-inch, $15.92; 1½-inch, $19.90; 2-inch, $25.97; 2½-inch, $33.93, and 3-inch, $46.76.

TINPLATES—Strong, with demand brisk. We quote as follows: Coke, I.C., $4.40 charcoal, I. C., Allaway or Comet brands, $4.80; do. I. X., $5.05; Lincoln, $5; P. D. Crown, $5.30; do. I. X., $5.80; Bradley's, $6.25.

CANADA PLATES — Inquiry is active and values are firm. We quote: 52's, $2.60; 60's, $2.70; 75's, $2.80; full polished, $3.25; galvanized Canada plates, $4.55 for 52's.

TERNE PLATE—Stiff at $7.50.

SWEDISH IRON—Continues upward, scoring another advance of 10c. this week to $3.50.

COIL CHAIN—Prices are as last noted and business is brisk. We quote: No. 6, 11c.; No. 5, 9½c.; No. 4, 8½c.; No. 3, 7½c.; ¼-inch, $6.25; 5-16, $5; ⅜, $4.50; 7-16, $4.35; ½, $4.25; 9-16, $4.20; ⅝, $4.10; ¾, $3.90; ⅞ and 1 inch, $3.80.

SHEET ZINC — Has reacted again this week to 7½ to 7¾c.

ANTIMONY—Prices are steady at 11 to 12c.

SPELTER—Continued easiness outside has been reflected in ½c. decline here to $6.50.

GLASS.

There is a good demand for window glass. We quote as follows: First break, $1.90; second, $2 for 50 feet; first break, 100 feet, $3.60; second, $3.80; third, $4.25; fourth, $4.50; fifth, $5; sixth, $5.50, and seventh, $6.

PAINTS AND OILS.

Business in this department is moving well, while there are few new features to report. In the South, turpentine has reacted and followed suit here. Mixed paints are firmly held and lead is strong but unchanged. In England, dry lead is very firm, being quoted at £20 per ton.

WHITE LEAD—Best brands, Government standard, $6.00; No. 1, $5.62½; No. 2, $5.25; No. 3, $4.87½.

DRY WHITE LEAD—$4.75 in casks; kegs, $5.

RED LEAD—Firm; casks, $4.50; in kegs, $4.75.

WHITE ZINC PAINT—Pure, dry, 8c.; No. 1, 6½c.; in oil, pure, 9c.; No. 1, 7½c.

PUTTY —We quote: Bulk, $1.65; bladders, in bbls., $1.80; bladders, in cases, $1.95; in tins, $2.05 to $2.30.

LINSEED OIL — Raw, 57c.; boiled, 60c., five to nine-barrels, 1c. less, ten and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—Single barrels, 73c.; two to four barrels, 72c.; five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Firm; $1.10 to $1.30 per gallon.

CASTOR OIL—Firm; 7½ to 8c.

SEAL OIL—33 to 35c.

COD OIL—32½ to 35c.

NAVAL STORES—Fair demand for all lines, and prices show no change: Resins, $2.75 to $4.50, as to brand; coal tar, $3 to $3.50; cotton waste, 4½ to 5½c. for colored, and 6 to 7½c. for white; oakum, 5½ to 6½c., and cotton oakum, 9 to 11c.

PETROLEUM.

In fair inquiry and steady. We quote as follows: Crown Acme, the new Sarnia oil, 17c.; Perfection and Silver Star, Canadian refined, 16c.; and Pratt's astral, 20½c., in small quantities.

HIDES.

Beef hides have advanced ½c. We quote: Beef hides, 7½ to 9½c., as to grade. Lambskins, 50 to 55c.;

COAL.

Demand is active at firm prices. We quote as follows: Stove, $5.75; chestnut, $5.75; egg, $5.50; Scotch grate, $6; Scotch steam, $4 to $4.50; Tower ports steam, $3.50 to $3.75.

MONTREAL NOTES.

Bar iron is 10c. higher and is firmly held at the rise.

Steel is also held from 5 to 10c. higher than last week.

Prices on turpentine have recovered this week to 72 to 73c.

Fence staples are 10c. higher on bright, and 15c. on galvanized.

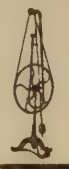
Wire nails have been marked up another 20c. per keg on last week's rise.

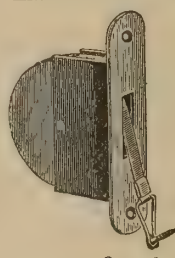
OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON' KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL


COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps, Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS
BALL BEARINGS

Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA

COATES' CLIPPERS

HAND AND POWER, easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel, and will not heat. 1899 catalogue ready.
Coates Clipper Mfg. Co.
WORCESTER, MASS.


Pullman Sash Balance Co.
Makers of the
"Pullman" Hardware Specialties
Main Office and Works,
Rochester, N.Y., U.S.A.
On sale all round the globe.

Size, ⅜-inch.

Cheapest IN THE WORLD.
J. M. LITCHFIELD
458 Quincy St., Brooklyn, N.Y.

FOR SALE—
Trip Punch, Turning Lathe, Spinning Lathe, Emery Wheel, Milling Machine, Four Spindle Drill, Gear Cutter, Buffing Gig, Shafting, Hangers, Pulleys—in good order, a bargain.
Wanzer Lamp and Mfg. Co., Hamilton, Ont.

ONTARIO MARKETS.

TORONTO, September 22, 1899.

HARDWARE.

THE feature of the wholesale hardware market this week is a further advance in the price of staples. Smooth steel wire and wire nails are 20c. dearer, and the discount on fine steel wire is reduced to 12½ per cent. Locks are materially higher. So are steel squares. Spades and shovels are $1 per dozen, and scoops $1.50 per dozen, higher. Harvest tools were advanced last week, but this week quotations have been withdrawn. The cheaper grades of cutlery are 7½ per cent. higher. The quotations on both sisal and manila rope are up 1c. per lb. this week. The general tone of the market is stronger than it was even a week ago, and an advance in many lines of shelf hardware may be looked for. Trade is brisk, and payments are, on the whole, fair.

BARBED WIRE—Prices were advanced 15c. per 100 lb. in the United States last week, but in Canada prices are nominally unchanged, $3.25 f.o.b. Toronto still being quoted.

SMOOTH STEEL WIRE — Still another advance is to be noted, the base price now being $3.35 f.o.b. factory. This is an advance of 20c. per 100 lb. Hay-baling wire is still moving fairly well.

FINE STEEL WIRE—The discount has been reduced, being now 12½ per cent. instead of 15 per cent.

GALVANIZED WIRE —Trade is quiet and prices unchanged. We quote as follows: Nos. 6, 7, 8 gauge, $3.60; No. 9, $3.10; No. 10, $3.70; No. 11, $3.75; No. 12, $3.20; No. 13, $3.45; No. 14, $4.10; No. 15, $4.70; No. 16, $4.85.

WIRE NAILS—These have been advanced 20c. per keg, the base price being $3.30 Toronto, in less quantities than car lots, and $3.22½ in carlots. The demand is fair, and still higher prices are looked for.

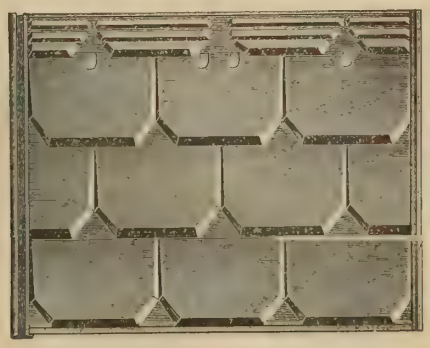
CUT NAILS—Some of the factories in the United States last week advanced their prices 10c. per keg, but in Canada $2.25 per keg f.o.b. Toronto, Hamilton and London, represents the quotation.

HORSE NAILS—A fairly good business is being done in horse nails. We quote: Standard, oval head, 50 per cent.; Acadia countersunk head, 50 and 20 per cent.

HORSESHOES—Trade is good and prices firm. We quote f.o.b. Toronto, Hamilton, London and Guelph: No. 2 and larger, light, medium and heavy iron shoes, $3.60; snow shoes, $3.85; light steel shoes, $4.00; featherweight shoes, all sizes, $5.25. No. 1 and smaller, light, medium and heavy iron shoes, $3.85 per keg; iron snow shoes, $4.20; light steel shoes, $4.15; featherweight steel shoes, all sizes, $5.25.

EASTLAKE SHINGLES

GALVANIZED OR PAINTED.



Fit together perfectly by means of our patented side lock, and give absolute protection from all conditions of weather.

They are now, as they have always been, the most reliable, economica ly durable and most satisfactory shingle to be had.

They're quicker laid than any other shingle, and Fire, Lightning and Rust Proof. Better write us if you aren't handling them—they're in popular demand.

THE METALLIC ROOFING CO., Limited

1179 King St. W., TORONTO,

SCREWS — Trade in screws continues good at firm and unchanged prices. We quote as follows: Flat head bright, 80 and 5 per cent. off the list; round head bright, 75 and 5 per cent.; flat head brass, 75 and 5 per cent.; round head brass, 67½ and 5 per cent.; flat head bronze, 67½ and 5 per cent.; round head bronze, 62½ and 5 per cent.

BOLTS — Business continues brisk, particularly in stove and carriage bolts. The demand for sleighshoe bolts is beginning to pick up. We quote as follows: Norway bolts, full square, 65 per cent.; common carriage bolts, 5-16 and under, 55 per cent.; ditto, ⅜ and larger, 50 per cent.; ditto, full square, 65 per cent.; machine bolts, all sizes, 55 per cent.; coach screws, 67½ per cent.; sleighshoe bolts, 72½ per cent.; blank bolts, 55 per cent.; bolt ends, 62½ per cent.; nuts, square, 3¾c.; nuts, hexagon, 4¼c.; tapping nuts, 60 per cent.; tire bolts, 60 and 10 per cent.; stove bolts, 60 and 10 per cent.

ROPE—Both sisal and manila are quoted 1c. higher by jobbers. This is in consequence of last week's similar advance by the manufacturers. We quote as follows: Sisal, 7-16 in. and larger, 12½c. per lb.; ⅜ in., 13c.; ¼ and 5-16 in., 13½c. Manila, 7-16 in. and larger, 15c. per lb.; ⅜ in., 15½c.; ¼ and 5-16 in., 16c.; New Zealand, 11c. per lb.; Deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 10c. Clotheslines, 48 feet, 90c.; 60 feet, $1.20; 72 feet, $1.50; 100 feet, $2.

RIVETS AND BURRS—A fairly good trade is still to be noted. We quote: Carriage section, wagon box, rivets, etc. (steel), 60 per cent. off the list; ditto (Norway iron), 60 per cent.; black M rivets (steel), 55 per cent.; ditto (Norway iron), 45 per cent.; iron burrs, 40 per cent.; copper rivets, 35 per cent.; bifurcated, with box, $1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

CHURNS — Trade is quiet. We quote as follows: Metal frame—No. 0, $3; No. 1, $3.20; No. 2, $3.40; No. 3, $3.75; No. 4, $4.50; No. 5, $5.90. The price of wooden frames is 15c. per churn less than the above. Terms, 3 per cent. off 30 days f.o.b. Toronto.

WRINGERS — Very little doing. We quote as follows: "Leader," $60 per doz.; "Royal Canadian," $58; "Royal American," $48. Prices are all f. o. b. Toronto, Hamilton, Brockville, and Montreal. Discount, 45 per cent. Terms, four months, or 3 per cent. 30 days.

BUILDING PAPER--A moderate trade is still to be noted. We quote: Plain building, 28c. per roll; tarred lining, 35c., according to quality; tarred roofing felt, $1.40 per 100 lb.; carpet felt, $2.25 per 100 lb.

STEEL SQUARES—There has been quite an advance in this line, the former discount of 70 per cent. being reduced to 50 and 10 per cent.

WARE— There is an exceedingly good sorting-up demand for enameled ware. Tinware is going out well.

FALL SPECIALTIES — Coal hods, stove boards, stovepipes, elbows, lanterns, and nearly all goods in these lines are going out in large quantities.

LOCKS—The price of Canadian locks has been advanced, the discount now being 33⅓ per cent. High-grade American locks are quoted 33⅓ to 50 per cent. higher.

STOVES AND FURNACES — Orders are

John Bowman Hardware & Coal Co.,

LONDON, ONT.

Our Fall stock is now complete and we can supply at the best figures, **AXES, SAWS, LANTERNS, CORDAGE, CHAIN, WINDOW GLASS, PAINTS, OILS**, etc. Our importation of **CUTLERY, SKATES, ENGLISH GUNS, SHOT SHELLS, BLACK and SMOKELESS POWDER, SHOT, WADDING**, etc., now in.

Our Motto: Prompt Shipment, Right Prices.

coming in more briskly than ever. From the northern part of the Province the demand for heating stoves is particularly urgent. Quite a few telegraphic orders are being received.

CEMENT—The demand continues so brisk that Canadian cement manufacturers are having great difficulty in filling orders, though their capacity for producing has largely increased this season. The importation of foreign cements has been light all summer, but there is more offering now. Prices in carlots are firm at the recent advance. Barrel lots are unchanged. We quote: in barrel lots as follows: Canadian Portland, $2.65 to $2.90; English do., $3; Canadian hydraulic cements, $1 to $1.10; calcined plaster, $1.90; asbestos cement, $2.50 per bbl.

CUTLERY—The feature in this line is an advance by the makers of 7½ per cent. in the price of the cheaper grades of English table cutlery.

SPADES AND SHOVELS—The price has been advanced $1 per dozen all round by the manufacturers.

HARVEST TOOLS—Prices have all been withdrawn.

METALS.

The metal market continues to rule strong. Bar iron has been again advanced, and quotations are higher on iron pipe.

PIG IRON—The Hamilton furnace is still being overtaxed to supply the demand, and prices are firm. The ruling quotation is still $23 per ton for No. 1.

BAR IRON—Prices have again been advanced, and the base price for small lots from stock is $2.30 to $2.35.

BLACK SHEETS—While orders are, as a rule, small, business in the aggregate is fair. We still quote $3.25 for 28 gauge.

GALVANIZED IRON—A good deal of galvanized iron is going out. The demand for carlots is good. We quote American galvanized at $4.90 and English at $5, although these prices can be shaded for quantities.

COPPER—Trade is rather quiet in ingot, but it is active in sheet copper. Prices are unchanged, and the outside market is steady. We quote: Ingot copper, 20 to 21c. per lb. and sheet, 23 to 23½c. per lb.

PIG TIN — While the demand is not active, it is fair for small quantities. The outside markets have been rather irregular during the past week. The local price is unchanged at 37c.

CANADA PLATES—The demand is brisk and they are moving out freely. All-bright is quoted at $3.25; half-polished at $2.85, and all dull at $2.75.

TINPLATES—The turnover is fairly good. Some import orders have arrived during the week, and some mill sorting-up lots have been shipped from storage. Prices are unchanged.

IRON PIPE—Jobbers have advanced their figures this week. Quotations on black pipe are: ¼ to ⅜ inch, $3.60; ½ inch, $3.70; ¾ inch, $4.70; 1 inch, $5.90; 1¼ inch, $7.85; 1½ inch, $9.97; 2 inch, $13; 2½ to 6 inch, discount off the list 50 per cent. Galvanized pipe is quoted as follows: ½ inch, $6.50; ¾ inch, $8; 1 inch, $11.50; 1¼ inch, $16; 1½ inch, $20; 2 inch, $28.50.

PIG LEAD—The New York market is irregular, on account of heavy arrivals. Prices, according to the latest cables, are higher in London. Locally, trade is quiet and prices unchanged at 4½ to 4¾c. per lb.

LEAD PIPE—Business is still fair. We quote: Ordinary pipe, 7c.; waste, 7½c. Discount, 20 per cent.

RANGE BOILERS — Trade is fair. We quote: Galvanized, 30 gals., $9; 35 gal., $10; 40 gal., $11. Copper, 30 gal., $22; 35 gal., $26; 40 gal., $30; discount off copper boilers, 10 per cent.

SHEET ZINC—The demand is improving and prices are unchanged at 8¼ to 8½c. per lb.

SPELTER— Trade is quiet at 7½ to 7¾c. per lb.

SOLDER—Trade is active. We quote: 21 to 22c. for half-and-half; 20 to 21c. for refined, and 18 to 19c. for wiping.

PAINTS AND OILS.

An unusually good movement of all materials is reported. Linseed is easy. Turpentine has strengthened in the past week, and prices have been advanced 3c. Otherwise there is no change, a steady feeling being manifested. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $6.12½; No. 1, $5.75; No. 2, $5.37½; No. 3, $5; No. 4, $4.62½; dry white lead in casks, $5.10.

RED LEAD—Genuine, in casks of 560 lb., $5.00; ditto, in kegs of 100 lb., $5.25 to $5.50; No. 1, in casks of 560 lb., $4.75; ditto, kegs of 100 lb., $5.

LITHARGE AND ORANGE MINERAL—Litharge, 6 to 6½c.; orange mineral, 7½ to 8½c.

WHITE ZINC—Genuine, French V.M., in casks, $7 to $7.25; Lehigh, in casks, $6.

PARIS WHITE—90c.

WHITING — 55c. per 100 lb.; Gilders' whiting, 85c.

GUM SHELLAC—In cases, 20c.; in less than cases, 24c.

PLASTER PARIS — Ordinary, $1.75 per barrel; New Brunswick, $2 to $2.20 per barrel.

PUMICE STONE—Powdered, $2.50 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, $1.10 per gallon; No 1 quality, 90c. per gallon.

SEAL OIL—59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9c per lb. and 10c. for single tins.

LINSEED OIL — Outside western points (freight allowed): Raw, 1 to 4 barrels, 59c.; boiled, 1 to 4 barrels, 62c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE — Outside western points, freight allowed, 1 to 4 barrels, 75c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London

are 1c. less than the above. Terms, net 30 days.

GLASS.

Import orders are coming to hand slowly. The demand from stock is heavy, with prices firm. We quote window glass as follows: Star, first break in 50-foot boxes, $2.15, and in 100-foot boxes, $4; double diamond under 25 united inches, $6, Toronto Hamilton and London; terms 4 months or 3 per cent. 30 days.

OLD MATERIAL

A brisk demand continues. Deliveries are fair. Scrap rubber is ½c. dearer. The prices of other materials are easier, but no declines are reported. We quote as follows: Agricultural scrap, 55c. per cwt.; machinery cast, 60c. per cwt.; stove cast scrap, 45c.; No. 1 wrought scrap, 55c. per 100 lb.; new light scrap copper, 12½c. per lb.; bottoms, 11c.; heavy copper, 15c.; light scrap brass, 7½c.; heavy yellow scrap brass, 10c.; heavy red scrap brass, 11c.; scrap lead, 2½c.; zinc, 3c; scrap rubber, 4½c.; good country mixed rags, 65 to 75c.; clean dry bones, 45 to 50c per 100 lb.

PETROLEUM.

A brisk movement continues. The advances in the materials used in the production of crude oil, such as piping, machinery, etc., and in wages have resulted in advances in the cost of all grades of petroleum of 1c. to 1½c. We now quote: Pratt's Astral, 18c. in bulk ($1 extra for barrels); American water white, 18c. in barrels; Sarnia water white, 16½c. in barrels; Sarnia prime white, 15½c. in barrels.

COAL.

Business keeps brisk with prices stiff. We quote: Anthracite for August delivery at Buffalo and bridges: Egg, stove and nut $4.75 per gross ton, or $4.24 per net ton; grate, $4.50 per gross ton or $4.01 per net ton.

MARKET NOTES.

Scrap rubber is wanted at ½c. advance.

Smooth steel wire and wire nails are 20c. dearer.

Quotations on harvest tools have been withdrawn.

Spades and shovels are $1 and scoops $1.50 per dozen dearer.

Local quotations on sisal and manila rope are 1c. per lb. higher.

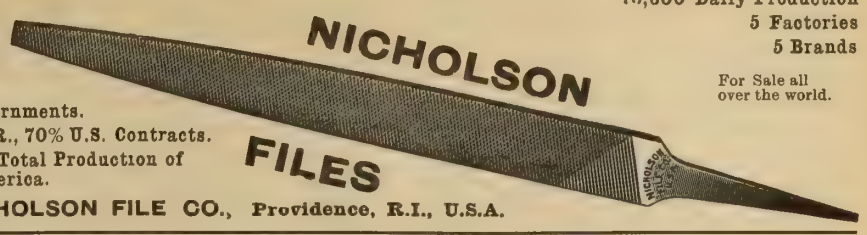
The discount on Canadian locks has been reduced to 33⅓ per cent.

The cheaper grades of English table cutlery are 7½ per cent. higher.

Turpentine has advanced 3c., and the price is now 74c. Toronto and 75c. Western Ontario.

Bar iron has again been advanced, and the base price of small lots from stock is $2.30 to $2.35.

76,800 Daily Production
5 Factories
5 Brands



For Sale all over the world.

16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of America.

NICHOLSON FILE CO., Providence, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited. Established 1773.

Manufacturers of **Polished, Silvered, Bevelled, Chequered, and Rough Plate Glass.** Also of a durable, highly-polished material called "**MARBLETTE,**" suitable for Advertising Tablets, Signs, Facias, Direction Plates, Clock Faces, Mural Tablets, Tombstones, etc. This is supplied plain, embossed, or with incised gilt letters. **Benders, Embossers, Brilliant Cutters, etc., etc.** Estimates and Designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow 12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glass, St. Helens." Telephone No. 68 St Helens.

TRADE CHAT.

THE Shipway Iron Bell and Wire Manufacturing Co., Limited, has been incorporated, with headquarters in Toronto. The provisional directors are Thomas H. Shipway, S. J. Pegg and Chas. R. Shipway, and the capital $10,000.

The Laprairie Brick Co., Laprairie, Que., has been incorporated.

The Enniskillen Mining Co., Limited, has been incorporated.

The Blain Mining and Exploration Co., of Toronto, Limited, has obtained its charter.

The Gold Coin Mining Co., of Ontario, Limited, Mine Centre, Ont., has been incorporated.

The Lamontagne Mfg. Co., Limited, are seeking incorporation as manufacturers of saddlery hardware in Montreal.

A couple of gentlemen in Winnipeg are having plans prepared for a pleasure steamer suitable for river navigation.

The Ossekeag Stamping Co., manufacturers of stamped and enameled ware, Hampton, N.B., have just received an order for a carload of their goods from Manitoba.

Ontario lumbermen are preparing for a large increase in winter operations at the lumber camps. One Ontario firm that sent 200 men into the woods last fall is this year engaging 500 for the work.

The Algoma Central railway has 500 men employed in the construction of a 12-mile section of the line from Michipicoten Harbor to the iron mines owned by the company. The exceptional activity of the company, despite the scarcity of labor, is explained by the fact that a contract has been entered into with the Midland smelter for the supply of iron ore this fall. The rails will be laid by November 1.

The exports from Ingersoll, Ont., for the fiscal year ending June 30, 1899, were $2,358,789, an increase of $177,569 over the previous year, and $1,381,163 more than the total exports in the year ending June 30, 1896.

Robt. Lillie, foundryman, Perth, has sold out to James Bros. The new firm will make and repair ploughs, stoves, and a line of light hardware. The foundry will be managed by an expert moulder, F. Deacon.

Chicago capital has purchased the Father Quay mica mine at Gracefield, Que., which is said to be the most productive in the Gatineau district. New machinery will be introduced, and the mine worked to its fullest capacity.

Graham Moon, of the Post Office Department, Ottawa, has invented a roller boat, which, it is claimed, overcomes the drawbacks of Knapp's invention. The model for a trial on the Ottawa river will be ready in a few days.

Inventor—"What is your candid opinion of my device?"

Friend—"It is practically worthless."

Inventor—"Yes, I suspected as much, but even a worthless opinion is sometimes better than none."—Ex.

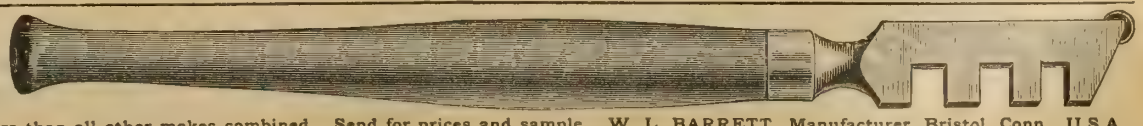
The John Harrison & Sons Co., Limited, shipbuilders, have been incorporated, with headquarters at Owen Sound, Ont., with a share capital of $150,000. The provisional directors are John Harrison, F. W. Harrison, E. J. Harrison, J. C. Miller and Emma R. Harrison.

PERSONAL MENTION.

Mr. R. B. Turner, of R. Turner & Sons, manufacturers of fishhooks, fishing tackle, etc., Redditch, England, is in Toronto on his usual annual visit to the trade.

Barrett's Glass Cutters Standard

Barrett's Practical Glass Cutters are the standard the world over.



Sold by more Hardware Dealers than all other makes combined. Send for prices and sample. W. L. BARRETT, Manufacturer, Bristol, Conn., U.S.A

TRADE IN OTHER COUNTRIES THAN OUR OWN.

AN EASIER DEMAND.

THE foreign demand for steel and iron material does not show its usual activity this week. The reason given by mill agents for this is that foreign buyers are recognizing the fact that deliveries cannot be made from this market for many months. No important inquiries for either steel rails or iron pipe have been in the local market for days. The export demand is principally for pig iron and other such material. Even small lots of manufactured iron sold are taken with the understanding that their delivery cannot be made in less than three months. This has checked almost totally the business from South America and the West Indies.—New York Journal of Commerce, September 21.

LARGE SALES OF PIG IRON.

In the pig iron market we note some buying on the part of the Cast Iron Pipe Consolidation, which, it is estimated, took about 20,000 tons, including 4,000 to 5,000 tons of Southern charcoal iron. In Pittsburgh there have been purchases of about 40,000 tons of Bessemer pig for 1900 delivery at $22.50, Valley furnace. Cable reports from England refer to some sales for shipment to this country of Bessemer pig. We understand that this is special iron.—Iron Age.

THE U. S. AXE MARKET.

The axe market continues to be in a somewhat unsatisfactory condition owing to the heavy demands upon the manufacturers and the higher prices which are necessary on account of the cost of raw material and, in some cases, higher wages. Some leading manufacturers have contracts which will occupy them, it is estimated, at least into January next, and they are accordingly indifferent about accepting further orders except at marked advances beyond the prices which have until quite recently been ruling. Since our last issue an advance of 50c. per dozen has been announced by manufacturers who are in a position to accept orders, whose quotations to the fair retail trade are now about $6 per dozen. Jobbers, as intimated above, are having some difficulty in procuring axes as promptly as they desire, and this tends to keep the market more even than it otherwise would be, as many of them purchased at prices very much lower than those now current.—Iron Age.

GALVANIZED IRON IN BIRMINGHAM.

The change in the weather has led to business reverting to its normal condition of great activity. The men are now working full time, and deliveries are more regular than they have been for some time past. Sheetmakers have, perhaps, suffered most of all from the weather, and during the greater part of last week the output was entirely suspended. There is a steady demand for sheets, both plain and galvanized, and some good export inquiries have just come to hand for the latter. Galvanized corrugated sheets are £13 to £13 10s. delivered in Liverpool. In the black sheet department there is plenty of work, and prices are gradually creeping up to a more remunerative level. Doubles are quoted £9 2s. 6d. to £9 10s.—Ironmonger, Sept. 2.

SHIPBUILDING IN SCOTLAND.

An English exchange says: "Quite a change has come over the shipbuilding industry. For several months past there has been comparatively little doing in the way of booking new contracts, but during the month of August there has been quite a revival in the placing of new tonnage. Whether the orders that have lately been reported have actvally been placed during the past month, or whether some of them were booked a while ago and are only now coming to light, is, of course, only known to builders, but the fact remains that during August contracts have been reported for new boats to the extent of fully 60,000 gross tons. This is about 20,000 tons in excess of the tonnage launched during the same period, the aggregate tonnage put into the water in Scotland last month being 41,350 tons. During August Clyde builders launched 21 vessels, of 36,750 tons, compared with 9 vessels, of 19,850 tons, for the previous month, and 16 vessels, of 28,850 tons, for the corresponding month of last last year. For the eight months of this year the aggregate tonnage launched by Scotch builders is 319,710 tons, compared with 272,463 tons for the same period of last year."

WELSH vs. UNITED STATES TINPLATES.

The Metal Worker, of New York, referring to the recent advance in tinplates, says: "At present 100 lb. Bessemer coke plates are quoted in England at 15s. 3d. a box, equal to about $3.70. Adding to this a duty of $1.50 a box would bring the bare cost of these plates at wholesale, landed on the Atlantic seaboard, to $5.20, not taking into account freight and other charges. American coke plates of the same description are now quoted at $4.67½ at mill, to which must be added freight to New York, making the bare wholesale price at the seaboard about $4.85. This leaves a margin of at least 35c. a box in favor of the American product at the present time on the coast. At interior points the margin would be still wider. Under these circumstances it would not pay the consumer to import tinplates at the present time, or even should another 25c. advance be made by the American manufacturers. The only contingency which would permit of importations is a radical weakening in the Welsh prices, which seems unlikely to take place as things are. In fact, any large demand for tinplates from this country would have a tendency to push up prices on the other side."

WIRE RODS FOR CANADA.

The Manchester correspondent of Ironmonger, London, under date of August 26, says: "Hoops are firm at £9, and a noticeable feature is that some considerable inquiries are just now coming from the United States, where, a few years back, a good trade was done, but which, prior to the present season, had been altogether taken out of the hands of English makers by the much lower prices that have been ruling in the United States. For wire rods, there are also some fairly large inquiries from the United States on the market, as well as from Canada, and some makers have already considerable American and colonial orders on their books."

AN UNSATISFIED DEMAND FOR IRON.

The scarcity of numerous kinds of iron and steel has brought about considerable apprehension as to whether the supply during the next six or twelve months will prove adequate to the demand. Production and consumption have been so nearly even for six weeks past that the unprecedented demand threatens to overtax the supply so far that furnacemen at the close of navigation will find themselves short of ore for the winter and spring run. The indications on the lakes are in that direction, the demand for boats to move ore being the greatest in the history of lake shipping. The talked-of iron famine depends largely on the ore supply to be laid in between now and December. Production for the season is likely to exceed 16,000,000 tons, which will hardly prove sufficient even if furnacemen succeed in securing its entire delivery. * * * Production has been increased to fullest capacity during the year, but is as yet insufficient even to the requirements of our home markets. This lack of material is delaying enterprises which must await their turn in the busy mechanism of trade, but this unsatisfied demand is a primary factor that adds to the stability of business conditions.—Iron and Steel, Chicago.

NEW YORK METAL MARKET.

COPPER—Considerable business is being put through quietly direct by the mining companies, particulars of which are not

made public, and full former prices are being realized for all varieties of the metal for delivery during the balance of the year. Lake Superior ingot may be fairly quoted at 18½ to 18¾c.; electrolytic at 17¾c., and casting stock at 17½c. for good brands.

PIG TIN—Very little change in values took place, although nearly 500 tons of tin arrived here on the Vortigern, and the market lacked really new feature. The consumption continues good, despite the highness of prices, and serves to offset, as a factor regulating values, the heavy arrivals thus far this month. On spot delivery, the quotations at the close were about 32.25c. for round lots and 32.40 to 32.50c. for jobbing quantities, and about 31.75 to 32.00c. was named for current month delivery at sellers' option.

PIG LEAD—Except in a moderate way, as immediate or near future wants may dictate, there is no buying at the moment, and the demand from consumers in this vicinity is extremely tame. Prices remain quite steady at 4.60c. for round lots, spot or near future delivery.

SPELTER—There is little doing outside of carload lots or smaller; business and prices remain at about 5.60 to 5.65c. for prime Western and a shade less for inferior metal delivered here.

ANTIMONY—Regulus is very steady at 10 to 11c., as to brand, and meeting with quite good sale in jobbing way.

TINPLATE—Moderate purchases only are being made by consumers or dealers, and values remain as quoted for some time past, with undertone firm, and still receiving substantial support from the effect of high cost of materials.

IRON AND STEEL—The market for all iron and steel remains strong, with prices as quoted for several days past, or on the basis of $21 to $22, tidewater delivery, for No. 2 foundry.

Old material is commanding full former prices, but supplies in this locality are still very moderate and dealings are consequently limited.—N. Y. Journal of Commerce, September 21.

WINDSOR, N.S., BOARD OF TRADE.

At a recent meeting of the Windsor, N.S., Board of Trade, the following officers were elected:

President—J. B. Black, M.D.

Vice-President—W. Ker Dimock.

Secretary—J. W. Blanchard.

Council—A. P. Shand, C. S. Wilcox, W. H. Roach, R. B. Dakin, Allen Haley, M.P., Hon. M.H. Goudge, C. Henry Dimock, R. Chappell, P. M. Fielding, F. I. Davison, Joshua H. Smith, J. W. Curry.

Auditors—Arthur Armstrong, Edmund H. Dimock.

MANITOBA MARKETS.

WINNIPEG, Sept. 19, 1899.

Hardware market is without change for the week. Trade keeps fairly brisk.

The price list, revised to date, is as follows:

Barbed wire, 100 lb	$3 75
Plain twist	3 75
Staples	4 25
Oiled annealed wire, 10	3 72
" 11	3 79
" 12	3 85
" 13	4 00
" 14	4 12
" 15	4 20
Wire nails, 30 to 60 dy, keg	3 45
" 16 and 20	3 50
" 10	3 55
" 8	3 60
" 6	3 75
" 4	3 85
" 3	3 90
Cut nails, 30 to 60 dy.	2 75
" 20 to 40	2 80
" 10 to 16	2 85
" 8	2 90
" 6	2 95
" 4	3 25
" 3	3 50
" 3 fine	3 80
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No. 1	4 25
No. 2 and larger	4 00
Snow shoes, No. 0 to No. 1	4 70
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 70
No. 2 and larger	4 45
Extra light	4 65
Bar and band iron, $2.65 basis.	
Swedish iron, $5 basis.	
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 12 gauge, 100 lb.	3 25
14 to 26 gauge	3 50
28 gauge	3 75
Galvanized American, 16 gauge	4 25
18 to 22 gauge	4 50
24 gauge	4 75
26 gauge	5 00
28 gauge	5 25
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 55
26 gauge	8 80
28 gauge	8 00
Tinplate, IC charcoal, 20 x 28, box	10 50
" IX "	12 50
" IXX "	14 50
Ingot tin	38
Canada plate, 18 x 21 and 18 x 24	3 35
Sheet zinc, cask lots, 100 lb	9 00
Broken lots	9 50
Pig lead, 100 lb	4 50
Wrought pipe, black up to 2 inch	50 p.c.
" Over 2 inch	50 and 10 p.c.
Rope, sisal, 7-16 and larger	12 50
" ⅜	13 00
" ¼ and 5-16	13 50
Manila, 7-16 and larger	15 00
" ⅜	15 50
" ¼ and 5-16	16 00
Solder	22
Cotton rope, all sizes, lb.	15
Axes, per box	$6.00 to 8 00
Screws, flat head, iron, bright	75, 10 and 7½ p.c.
Round " "	70 and 10 p.c.
Flat " brass	70 and 10 p.c.
Round " "	65 p.c.
Bolts, carriage 5-16 and smaller	47½ p.c.
⅜ and larger	42½ p.c.
Machine	47½ p.c.
Tire	50 and 10 p.c.
Sleigh shoe	65 p.c.
Rivets, iron	37½ p.c.
Copper, No. 8, lb.	33½c.
Spades and shovels	40 p.c.
Harvest tools	60 p.c.
Axe handles, turned, s. g. hickory, doz.	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 65
No. 1	1 25
Linseed oil, raw, per gal	61
" boiled "	64
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	40 p.c.
C.F. pistol	10 p.c.
C.F. military	Net.
Loaded shells, Robin Hood, M	$20 00
Eley's soft, 12 gauge	15 00
chilled, 12 guage	16 50
soft, 10 guage	20 00
chilled, 10 guage	21 00
American, M	16 25
Shot, Ordinary, per 100 lb	5 25
Chilled	6 00
Powder, F.F., keg	4 75
F.F.G.	5 00
Robin Hood	10 00
Tinware, pressed, retinned	70 and 2½ p.c.
" plain	70 and 15 p.c.
Graniteware, according to quality	60 p.c.
Turpentine, by barrel	83c.
Less than barrel	88c.

HANDLES AND WHIFFLETREES ARE HIGHER.

At a meeting of the Canadian Handle Association, held in Tilbury on September 19, it was decided to advance prices on all lines in ash handles, whiffletrees and neck-yokes, owing to the scarcity of ash, and the very high prices the manufacturers of handles are obliged at present to pay for this timber. The new discount to the retail trade on second growth and extra ash goods is 30 per cent., and on all other goods 40 per cent.

At this meeting only a slight change was made in prices for hickory goods, but the opinion was freely expressed that in the very near future they would be compelled to make a material advance in the price of these goods.

The present discount to the retail trade on all lines of hickory goods is 40 per cent.

COST OF MISTAKES WITH A STRONG MARKET.

An indication of the stiffness of the present market in heating goods is shown in an experience related by a manufacturing house which bought some goods for a customer. Through a clerical error only one-sixth of the goods required were ordered, and the error was not discovered until the goods were received. The customer reported the shortage, and the house he bought from acknowledged their error. The mistake was explained to the concern from which the goods were bought and who shipped them, and as the goods were wanted for the same order, request was made that the balance of the amount required be shipped at the same price as the first portion, even though an advance in price had been made in the meantime. After the whole matter has been thoroughly explained and understood in good nature, the answer was: "You can afford to stand the cost of the mistake as well as we can, and you will have to pay the advance on the balance of the order." This was accepted as sound business without quibbling. A few months since, under the conditions then prevailing, the request would have been granted. This incident shows a healthy growth of backbone in the trade.—Iron Age.

"ALUMINUM."

THE McClary Manufacturing Co., London, are manufacturing a salable article for this season, which embodies many novel and important features.

It is an oil heater of great power, made entirely of sheet metal, combining strength with lightness.

This company claim for them that they produce a round flame of great heating power, without smoke or smell. The top cover can be removed for the boiling of water, etc. The planished steel body, with aluminized trimmings and nickeled urn, make it an ornament and in keeping with the best furnished room or office.



The McClary Mfg. Co.

During the fall nights they save lighting the furnace or grates. Base-burners need not be put up till winter sets in, and can be taken down earlier in spring when an "Aluminum" is used, making a saving on the coal bill.

On extremely cold nights they will assist the furnace, and can safely be used in a cellar or kitchen to prevent the water pipes from freezing. For the heating of a bedroom, parlor, dining-room, office, barber shop, etc., they cannot be excelled.

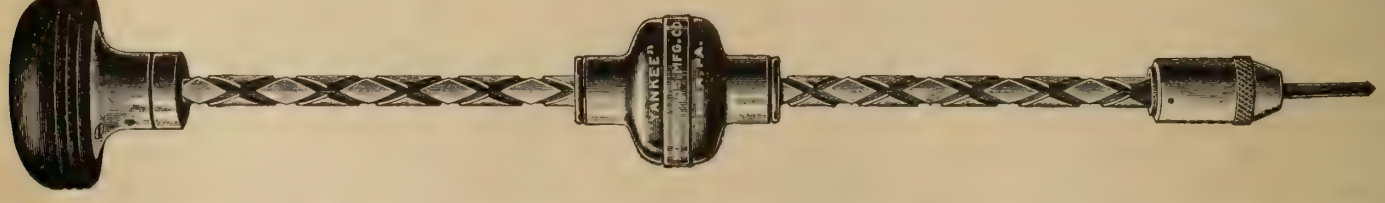
The oil tank is made of sheet copper, stamped in one piece, without seam or joint. It cannot leak or rust. A floating gauge shows when the tank is empty or full. No need for guessing. Cold air is drawn from floor, passing over the oil tank on all sides, keeping the oil always cool, avoiding any danger of explosion, and preventing any odor from heated oil. A deflector spreads the flame, giving it greater heating power from the same fuel. Operates the same as an ordinary lamp. Cheap to operate and reasonable in price. Extra wicks can be had from any dealer in Canada.

ANOTHER GOOD "YANKEE" TOOL.

The "Yankee" Reciprocating Drill, No. 50, made by The North Bros. Manufacturing Co., Philadelphia, Pa., is designed for use in drilling in steel, iron, brass and other metals, as well all varieties of woods. This drill, a cut of which is shown, differs materially in design and workmanship from any having the same appearance. It is so constructed that the drill runs continuously to the right, during both the forward and backward movement of the driver, hence drills continuously.

The pressure to feed the drill is had by the pressure against the head of the tool, which is provided with ball bearing to reduce the friction. While light in weight, and, therefore, more convenient in use, it is in all essential points remarkably strong. The chuck is of new design, has three jaws, is accurate, and is exceedingly strong and durable, and will not get out of order.

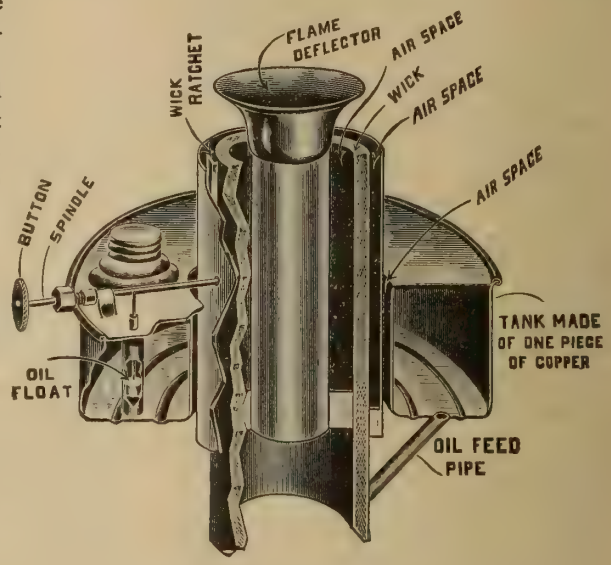
No drill points are furnished with this tool—the user furnishing such quality, style and size best suited for work required in wood, iron, steel, brass, etc. The chuck will hold any drill with shanks 3-16 in. diameter or less. To open or close chuck move the driver up to chuck, push down the catch in lower end of driver, which holds fast the driver on spindle. After drill is put in chuck and tightened, push up the catch, releasing driver from spindle so it can be moved backward and forward to operate drill. The movement or traverse of the driver is 8½ in. The entire length of tool without drill is 16 inches. Each tool is guaranteed. Net price may be had on application.



CANADIAN LUMBER IN ENGLAND.

Farnsworth & Jardines' timber circular, dated Liverpool, September 1, says the arrivals from British North America during the past month have been 67,606 tons register, against 79,807 tons register during the corresponding month last year, and the aggregate tonnage to this date, from all places, during the years 1897, 1898 and 1899, has been 393,212, 331,540 and 347,817 tons respectively. The timber business during the past month has been active, and values of most of the leading articles have shown improvement. There has been a large import, the deliveries generally have been good, and stocks, although increasing, are, with a few exceptions, not excessive.

New Brunswick and Nova Scotia spruce and pine deals.—The arrivals have been large, about 24,000 standards, but less than the excessive import for corresponding month last year, about 32,600 standards; with a fairly steady demand, the deliveries have been satisfactory, and the stock, although large, is not excessive. Recent sales have been at improved prices, but with the advanced freights and high insurance it is difficult to bring out first cost.



The McClary Mfg. Co.

BICYCLE PRICES FOR 1900.

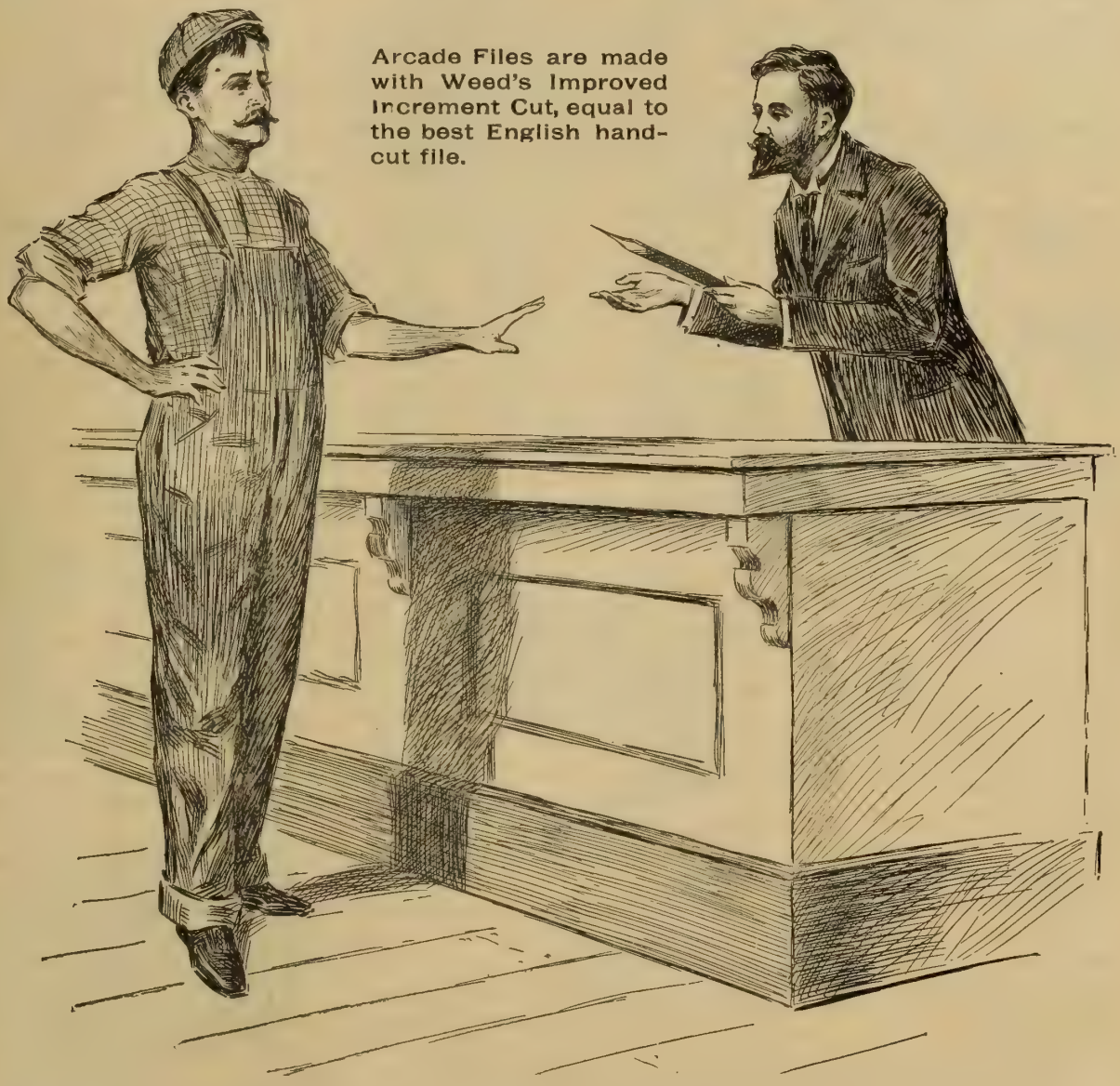
The Iver Johnson's Arms and Cycle Works, of Fitchburg, Mass., one of the largest concerns outside the trust, appear to be the first to announce their prices for 1900. They state that their medium-grade wheels will list at $25, and their high-grade at $35. Models with coaster brake will list at $40, while cushion frame and chainless bicycles will be $50 and $60 respectively. These prices seem to meet with general approval among the trade, and the outlook is that they will be standard for the coming season.

The WORLD'S GREATEST FILE WORKS

ESTABLISHED 1842.

There is no other file "just as good."

THE ARCADE IS THE BEST



Arcade Files are made with Weed's Improved Increment Cut, equal to the best English hand-cut file.

"I want an ARCADE file."
"We are all out of ARCADE files. Try this; it is just as good."
"No, Sir. I want the ARCADE. It cuts faster and wears longer than any other file made."

THE ARCADE FILE WORKS

NEW YORK:
97 Chambers St.
SAMUEL W. ALLERTON,
President.

Works: ANDERSON, IND.
COURTLANDT C. CLARKE,
Sec. and Treas.

CHICAGO:
118 Lake Street.
ALFRED WEED,
Vice-President and Gen'l Mgr.

HEATING AND PLUMBING

STEAM-HEATING.

The following appeared in a recent issue of The National Builder :

RADIATION.

To determine the amount of radiating surface necessary for any given heating apparatus and to proportion it properly, requires the best judgment of the engineer. A number of rules for estimating the amount of radiation are given by different authorities, dependent on the glass and wall exposure and cubic contents. As it is not always possible to have this data at hand, a convenient factor for rough calculations is the cubic feet of space. Under ordinary conditions, one square foot of direct radiating surface will heat approximately in :

	Cu. ft.
Bath-room, living-room, with two or three exposures, and large amount of glass.	40
Living-room, one or two exposures with large amount of glass	50
Living-room, one exposure, ordinary amount of glass	60
Sleeping-rooms	55 to 70
Halls	50 to 70
School-rooms	60 to 80
Churches and auditoriums of large cubic contents and high ceilings	65 to 100
Lofts, workshops and factories	75 to 150

If indirect radiators are used, allow not less than 50 per cent. more surface than for direct, and for direct indirect 25 per cent. more.

BOILER.

Having ascertained the amount of radiation, select a boiler of ample capacity to carry the radiation and mains, allowing, if possible, a reserve of from 20 to 25 per cent. as a large boiler can be operated with less attention and greater economy of fuel.

In determining the size of boiler, be governed by the exposures and cubic contents, and not always by the radiation, as this may have been figured too small. Also allow for distance radiators are located from boiler, size of flue, draught, kind of fuel to be used and probable management.

RADIATORS.

These are made in a great variety of styles and designs, and in shapes to suit almost every requirement. If a radiator is selected that is short of prime surface as rated by the manufacturer, make due allowance.

Direct radiators should be tapped as follows :

TWO PIPE WORK.

Less than 30 square feet	¾ x ¾ in.
From 30 to 50 "	1 x ¾ "
From 50 to 100 "	1¼ x 1 "
From 100 to 160 "	1½ x 1¼ "

ONE PIPE WORK.

Less than 25 square feet	1 in.
From 25 to 50 "	1¼ "
From 50 to 90 "	1½ "
From 90 to 100 "	2 "

INDIRECT RADIATORS.

Less than 30 square feet	1 x ¾ in.
From 30 to 50 "	1¼ x 1 "
From 50 to 100 "	1½ x 1¼ "
From 100 to 160 "	2 x 1½ "

LIST OF SIZES OF STEAM MAINS.

To determine the size of pipes, no fixed rule can be given which will apply in all cases. A rule that has generally been accepted by steamfitters as a good practice, is to allow the area of a 1-inch pipe (.7854 square inches) for every 100 square feet of radiating surface, including mains :

Radiation.	One pipe work.	Two pipe work.
40 to 50 sq. ft	1 in.	¾ x ¾ in.
100 to 125 "	1¼ "	1 x ¾ "
125 to 250 "	1½ "	1¼ x 1 "
250 to 400 "	2 "	1½ x 1¼ "
400 to 650 "	2½ "	2 x 1½ "
650 to 900 "	3 "	2½ x 3 "
900 to 1,250 "	3½ "	3 x 2½ "
1,250 to 1,600 "	4 "	3½ x 3 "
1,600 to 2,050 "	4½ "	4 x 3½ "
2,050 to 2,500 "	5 "	4½ x 4 "
2,500 to 3,600 "	6 "	5 x 4½ "
3,600 to 5,000 "	7 "	6 x 5 "
5,000 to 6,500 "	8 "	7 x 6 "
6,500 to 8,100 "	9 "	8 x 6 "
8,100 to 10,000 "	10 "	9 x 6 "

INDIRECT HOT WATER RADIATORS.

For indirect heating wrought iron pipe coils of 1 inch, 1¼ inch or 1½ inch pipe provide the most effective heating surface. By the use of special fittings, these can be made very compact. They are placed in tin-lined boxes in the basement, and located as nearly as possible directly under register in room. Fresh air is supplied to the radiator by means of cold air ducts from out of doors. A damper should be placed in the cold air pipe to regulate the supply of air.

The area of hot air pipes should be ample. In proportioning the same it is well to allow, for the first floor, from 1½ to 2 square inches area of hot air pipes for each square foot of radiating surface in coil ; for second floor from ¾ to 1 square inch, and for third floor from ½ to ¾ square inch.

To the area thus obtained should always be added from 20 to 30 square inches to overcome resistance to discharge and to give practical magnitude to flues from small coils. Cold air pipes should have an area equal to ¾ area of hot air pipe.

As to the proper size of register to be used, it is good practice to make the effective area of each ¼ greater than the area of hot air pipes delivering through it.

If cast iron extended surface indirect radiators are used, provide at least 30 per cent. more of this surface, as rated by the manufacturers, than would be required if box coils were employed.

Indirect radiators require larger flow and return connections ordinarily than direct. These should be tapped as follows :

0 to 40 square feet, tapped	1 inch.
40 to 90 " "	1¼ "
90 to 150 " "	1½ "
150 and over " "	2 "

THE HEATING TRADE OUTLOOK IN ENGLAND.

It is gratifying to learn from several sources that British makers of heating apparatus occupy a fairly favorable position, and that there exist excellent prospects for the winter season, which is now at hand. Undoubtedly, the industry referred to is destined to undergo great developments in the near future, as the tendency to have buildings of all kinds warmed by scientific and mechanical means is making rapid progress amongst all classes of society. The abnormal activity of the American home trade, coupled with the dearness of iron, can scarcely fail to mitigate the severe competition from both the United States and Canada with which our makers have had to contend. Unfotunately we appear to have lost a good deal of our German trade during the year. In the past many good orders were booked, but these appear to have suddenly ceased a few months ago, the reason being that the Germans are now supplying their own needs, their high protective tariff effectually shutting out goods of foreign manufacture. It is just possible that before very long Germany, by taking advantage of our system of railway rates, may compete with British makers in the home market.—Ironmonger.

PLUMBING AND HEATING CONTRACTS.

Lessard & Harris, Montreal, have the contract for ventilating the colleges at St. Therese.

The Expanded Metal and Fireproofing Co., Montreal, have the contract for flooring the Greenshields building ; also the flooring and partitioning of the new La Presse building.

Lessard & Harris, Montreal, have the contract for ventilating the new Catholic school on Panet street. They are also doing the plumbing in same building. This will be fitted up with the most modern plumbing system—the Kenny flush meter

CAPITAL CITY BUSINESS COLLEGE.

A. M. Grimes, M.A., Principal.

Shorthand, Bookkeeping, Penmanship, Telegraphy, Business Correspondence and Proofreading. Pitman's or Munson's Shorthand, per month, $4 00. White's Phonography, per month, $8.00. Telegraphy, per month, $8 00. Bookkeeping and Business Practice, per course, $35,00. Bookkeeping and Business Practice, per month $5.00. Penmanship, per month $3.00. Night School, per month, $3.00. Private Lessons, each, $1.00. Address, A. M GRIMES, Principal, Cor. Bank and Sparks Sts., Ottawa.

BULL'S
Guinea Bronze Fluid

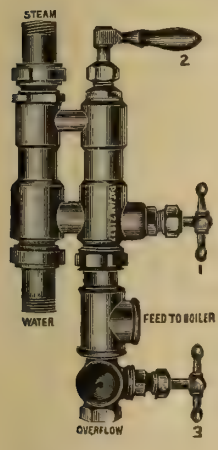
Looks Better, Lasts Longer, and Goes Three Times as Far

as any other preparation for applying bronze now on the market. Only one coat necessary, and a minimum quantity of powder required.

Put up in tins from ½ pint to 1 gallon.

THE ADAMS-IRWIN NOVELTY CO.

Sole Selling Agents for Canada. **207 St. James St. MONTREAL.**



THE
HANCOCK INSPIRATOR

This old established machine is proving itself universally the best Boiler Feeder for all uses.

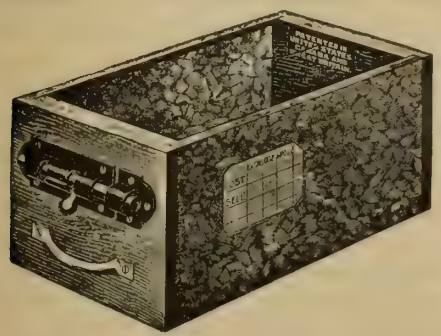
Over 2,000,000 Sold.

Is a double tube machine. Has stronger working power than single tube machines.

The genuine manufactured only by

THE
James Morrison Brass Mfg. Co., Limited,
TORONTO.

BENNETT'S PATENT SHELF BOX.



The best on the market, take up least room, are light, strong, and unbreakable. Thousands in use in United States, where they are known as Heller's Steel Shelf Box. Write for list and prices to the patentee and manufacturer,

J. S. Bennett, 20 Sheridan Ave., Toronto.

N.B.—Will be made to fit your present shelving.



FIBRE ELECTRIC

No. 98.

This is the second season this Oil Heater has been upon the market. It met with unusual success last season, and is, without a doubt, one of the handsomest Oil Heaters offered.

BRIEFLY DESCRIBED.

The **Base** is made from **Indurated Fibre,** which takes an elegant finish, is **light, tough,** and will **spring** and **bend** without breaking. The **Jacket** is **polished brass,** and the **Jacket Ring, Main** and **Urn Tops** are stamped **sheet steel,** highly polished and nickel plated.

The **Tank** and **Burner** is constructed entirely of **brass,** and can be **readily removed** from the stove for Trimming the wick, cleaning, filling, etc. The **Wick Raiser** is strong and positive in its action and cannot get out of order.

This Heater will operate positively **without smoke or odor,** as our burner is so adjusted that the flame **will not run up,** and should the wick be turned so high as to cause it to smoke, the flame will immediately recede to the proper point of combustion.

Water Reservoir in the Burner; the evaporation of the water creating a mild and healthful atmosphere in the room.

Ten-inch Circular Wick. Heating capacity, 1,500 to 2,000 cubic feet in cold weather. Height of stove, 38 in. Diameter of Base, 18 in. Weight, crated, 20 lbs.

A WINNER. Handsome Base. Deep Red Color.

THE COPP BROTHERS CO., Limited, HAMILTON

SEND for specimen copy of Phillips' Monthly Machinery Register, containing over 5,000 entries of new and second-hand machinery of every description. The oldest established and most successful medium in the world. Established 25 years for the purpose of introducing those who have machinery for sale, to those who wish to buy, has a circulation of about 50,000 copies per annum, all over the world, and is used for continual reference by a large number of firms. It is consequently a most valuable advertising medium for all engineers and manufacturers. Subscription, 6s. per annum, price per copy, 6d. Sole Proprietor, CHAS. D. PHILLIPS, M.I M.E., Newport, Mon., England. Telegraphic address: "Machinery, Newport, Mon."

The Syracuse Smelting Works

ARE MANUFACTURERS OF

Plumbers' and Tinsmiths' Solder

of highest quality. Highest market prices paid for old Brass and Copper.

SYRACUSE SMELTING WORKS

MONTREAL.

HARRINGTON & RICHARDSON ARMS CO.

WORCESTER, MASS., U. S. A.



Makers of
High Grade REVOLVERS

SEND FOR COMPLETE CATALOGUE.

For sale by Sporting Goods and Hardware Stores almost everywhere.

FOR YOUNG CANADIANS.

Don't wait until the iron's hot,
But make it hot by muscle.
Don't wait for the wealth your father's got,
Take off your coat and hustle.

What a year 1900 is to be! What a time for the young Canadian hustler—the rapid stenographer, the expert bookkeeper and the nimble telegrapher! They will all be wanted just as surely as that bright year is coming around. A start now will put you with the successful ones, and we can start you aright. Will you send us your name and let us tell you how? It is no trouble to us, and will benefit you.

W. H. SHAW, Prin. CENTRAL BUSINESS COLLEGE, Toronto, Ont.

Toronto Foundry Co.

Manufacturers of SOIL PIPE, FITTINGS, SINKS, BOILER STANDS.

Nos. 146-148-150 Niagara Street, TORONTO

The only Exclusive Manufacturers of Soil Pipe and Soil Pipe Fittings in Canada. . . . . .

All goods stamped T. F. Co. are warranted.

system will be used. The walls of the closets will be finished in opalin. The floors will be cement with slate divisions.

Carrol Bros., Montreal, have contracts for plumbing and heating of a residence for Thos. Collins on Cholmedy street.

Carrol Bros., Montreal, have the contract for heating a block of buildings on Beaver Hall Hill for Mrs. Benthorn.

Joseph Thibault, Montreal, has the contract for putting in Pedlar steel ceiling in the assembly rooms and offices of the Society des Artisans du Canada.

PLUMBING AND HEATING NOTES.

Labelle & Dechamps, plumbers, Montreal, have obtained an extension.

Henry Upton has been appointed curator of Isaac Lewis, contractor, Westmount, Que.

The Glace Bay Plumbing and Heating Co., Glace Bay, N.S., have registered dissolution.

David Ogilvie, Montreal, is calling for tenders for alterations to a house for Mr. Greenshields, Q.C.

Chas. W. Purdy and Wm. N. Lonergan have registered as partners under the style of Purdy & Lonergan, Vancouver.

Joseph Kent has a permit for two brick cottages on Ellen street, London, between Hess and Caroline, to cost $1,400.

The Great West Insurance Co. will build a handsome block on Main street, Winnipeg, adjoining, the new Bank of Commerce. It will extend backward from Main to the lane, over 140 feet.

The Kerr Engine Works, Walkerville, Ont., have recently been awarded the contract for supplying the town of St. Marys with waterworks machinery, which includes pumps, hydrants, valves and a boiler. The contract price was $6,000.

A meeting of the Master Plumbers' Association, of Montreal, will be held September 21, at which matters of importance to the trade will be discussed. The report of the special committee to inquire into the charges against certain manufacturers selling direct to consumers will be discussed.

The expanded metal flooring which is being used in many of Montreal's new fireproof buildings is of particular interest to plumbers and steamfitters, in that a hole can be cut in any part of the flooring the exact size of the pipe without weakening the floor, and with very little trouble.

An Atlin, B.C., correspondent writes: "The plans are now about completed for the new building of the Merchants Bank of Halifax, at First and Pearl streets. It will be a very substantial two-storey structure, the ground floor being occupied by the bank and the upper storey by the officials of the institution as private quarters."

The new station of the Grand Trunk, which is now in course of erection at Galt, will cost, when completed, in the neighborhood of $7,000 or $10,000 more than was at first proposed to be expended. The station will be one of the most modern in Canada. The excavations for the station are now being made, and the building will be rushed through.

TORONTO BUILDING PERMITS.

Permits have been issued in Toronto to Margaret Lennox for a two-storey brick residence on the corner of Amelia and Metcalfe streets, to cost $2,500; to W. R. Day, for a two storey brick dwelling on the west side Delaware avenue, to cost $2,500; to The York County Loan and Savings Co., for a pair of two-storey and attic brick residences at 414 and 416 Marion street west, to cost $3,600; to G. R. Reid, for a two-storey and attic residence near Isabella street on Jarvis, to cost $8,000; to L. W. Murray, for a brick store at 1444 Queen street west, to cost $900.

BUILDING IN WINNIPEG.

The amount of building now in progress in the city is very much larger than those citizens who do not go off the main thoroughfares think. Besides the large business buildings being erected in the central part of the city, there are numerous houses going up in all directions, some of them handsome and expensive structures. A great many buildings are also being enlarged or otherwise improved, and the great wonder of it is that sufficient men and material can be found to keep all the work going.—Free Press.

WRITING ADS.

Business writing is neither an art nor a science. It is just plain common sense coupled with natural or acquired ability to write with simplicity and force. The writer of business literature must be a practical man. He must have a knowledge of the the common sense laws that govern successful business. He must be able to grasp quickly the "talking points" of the article to be advertised. And, above all, he must have the knack of telling his story in few and simple words—yet with a forcefulness that carries conviction.—William S. Power.

ACETYLENE GAS FOR INDIA.

The Safety Light and Heat Co., Dundas, Ont., are shipping a 300-light acetylene gas machine to Calcutta, India, this week. This is a repeat order from some machines sent there last spring. They also sent four to British Columbia this week, besides others to local customers.

THE CANADIAN WHOLESALE HARDWARE ASSOCIATION.

The annual meeting of the Canadian Wholesale Hardware Association, which was organized in January last, was held in Hamilton, at the new Royal Hotel, on September 14 and 15.

The following firms were represented: Wood, Vallance & Co., Hamilton; H. S. Howland, Sons & Co., Rice Lewis & Son, Limited, Toronto; John Bowman Hardware Co., Hobbs Hardware Co., London; Frotheringham & Workman, Caverhill, Learmont & Co., A. McPherson & Son, Lewis Bros. & Co., Seybold, Sons & Co., Howden, Starke & Co., L. H. Hebert, Canadian Hardware Co., Montreal.

The utmost harmony prevailed at the meetings, and it was generally conceded that the main object sought in forming the organization, namely, the promotion of a better feeling between the manufacturers and the wholesalers, had been accomplished.

The election of officers resulted as follows:

President—T. H. Newman, of Caverhill, Learmont & Co., Montreal.

Vice-President—Peleg Howland, of H. S. Howland, Sons & Co., Toronto.

Secretary-Treasurer—R. & T. Jenkins, Toronto.

Executive Committee—William Vallance, of Wood, Vallance & Co., Hamilton; T. B. Lee, of Rice Lewis & Son, Limited, Toronto; R. Angers, of Frotheringham & Workman, Montreal; John Bowman, of The John Bowman Hardware Co., London; F. Jeanotte and L. H. Hebert, Montreal.

President Newman was appointed delegate to the National Hardware Association of the United States, which holds its annual meeting in Pittsburg.

Demands of a social as well as of a business nature were made upon the delegates during their stay in the "Ambitious City." The most important was a banquet, to which they were entertained by the retiring president, Mr. William Vallance. This was a most pleasant affair.

The most interesting toast of the evening was a toast congratulating Mr. A. F. Wood, M.P., senior member of the firm of Wood, Vallance & Co., upon the very near approach of his 50th anniversary in connection with the hardware trade. The congratulations were warm and many.

On the afternoon of September 14, the delegates were taken in hand by the manufacturers of Hamilton and driven around the city in carriages. Among the industries visited were The Hamilton Blast Furnace Works and The Canada Screw Co.'s factory.

On the same evening, the "Gore" was brilliantly illuminated in honor of the visitors.

P. J. Murray, general merchant, Hickson, Ont. has sold out to T. J. Loveys, who takes possession on November 1, 1899.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY. MONTREAL.



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon

DEPARTMENT of RAILWAYS and CANALS

Lachine Canal.

NOTICE TO CONTRACTORS.

SEALED TENDERS, addressed to the undersigned, and endorsed "Tender for building slope walls," will be received at this Office until 16 o'clock on SATURDAY the 16th September, 1899.

Plans and specifications can be seen on and after the 8th of September, 1899, at the Office of the Superintending Engineer of the Quebec Canals, 1709 Notre Dame Street, Montreal, where forms of tender can be obtained.

In the case of firms, there must be attached to the tender the actual signatures of the full name, the naure, of the occupation and residence of each member of the same, and further, an accepted bank cheque for the sum of $1,500 must accompany the tender. This accepted bank cheque must be endorsed over to the Minister of Railways and Canals, and will be forfeited if the party tendering declines entering into contract for the work at the rates, and on the terms stated in the offer submitted.

The accepted bank cheque thus sent in will be returned to the respective parties whose tenders are not accepted.

The Department does not bind itself to accept the lowest or any tender.

By order, L. K. JONES,
Secretary.

Department of Railways and Canals,
Ottawa, 6th September, 1899.

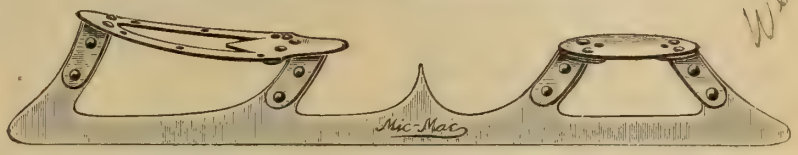
Newspapers inserting this advertisement without authority from the Department, will not be paid for it. (38)

STARR SKATES

MAKE GOOD .. SKATERS

We have been making both—right here in Canada—for over 30 years, and know how to do it to-day better than ever, as witness our

1899 MIC-MAC SKATE.



Beware of Imitations. Our Name on Every Skate.

THE STARR MANUFACTURING CO., LIMITED.

MAKERS, HALIFAX, N. S., CANADA.

We have a few left. Write for prices.

THE ABBEY IMPROVED CHILLED SHOT COMPANY, LIMITED, Newcastle-on-Tyne

All England Championship Cup, value £100, also stake £100, in all £200, on 7th December, 1898, the winner fired with our shot and writes us: "You will be pleased to hear I won the All England Championship Cup. **I fired with your chilled shot.** Indeed, I would not use any other, as I know from experience it makes the best patterns and kills best."



STEEL LETTERS and FIGURES.

If your Jobber does not keep our steel letters and figures send to us direct, we make everything in steel stamps.

HAMILTON STAMP & STENCIL WORKS
Hamilton, Ont

THE FALL TRADE

To secure thoroughly reliable goods send your orders for

Ready-Mixed House and Floor Paints, Varnishes, Japans, Coach Colors, White Lead, Colored Paints, Enamels, Wood Stains, Wall Tints, Putty, etc.

To Henderson & Potts,

NOVA SCOTIA PAINT AND VARNISH WORKS,

HALIFAX, and 747 Craig St., MONTREAL.

Sole Agents for the Dominion for Brandram's Celebrated White Lead.

BOOM IN N. S. STEEL STOCK.

THESE are great times for the Nova Scotia steel company. They made a million on the sale of a part of the Bell Island iron areas; they have made hundreds of thousands of dollars on the shipment of iron ore from the mines; their works at Ferrona and Trenton are pushed to the utmost capacity at highly remunerative prices. At a meeting in New Glasgow on Saturday, a dividend on the 8 per cent. preferred bonds of the company was ordered to be paid. No dividend was paid on this security for the past two years and the cumulative dividend now reached 24 per cent.—the amount that on Saturday was ordered to be paid. The million dollars that was netted out of Bell Island is still intact, and is a useful sum to have on hand while negotiations for the transfer of the General Mining Association's coal property are afoot and the company is considering the establishment of blast furnaces at North Sydney.

To show how the iron boom has benefited the Nova Scotia steel company shareholders and capitalists a little incident is worth relating. When the estate of a gentleman who died some three years ago was being settled by the executors it was found that there was a considerable quantity of the bonds of the company among the assets. These it was deemed advisable to turn into cash. A purchaser was found in one of the principal officers of the company, but he would buy only on condition, that he obtained bonds at 95—5 per cent. below par, and that as a bonus he be given all the preferred and the common stock held by the gentleman.

There may have been those who thought that this officer was doing a risky thing in thus taking the bonds at 95 and the common stock and preferred stock at nil. But to-day the bonds are at a premium, salable at 115; the preferred stock is at par and the common stock is worth 27.—Herald, Halifax, Sept. 12th.

FILLING THE GAP.

The narrow chasm between success and failure is bridged by effort. Many an advertised article has been on the verge of success only to be dropped at the moment when, by a little more hustling, it could have been made profitable to its exploiter.—The Advertising Man.

If you want to drive your business,
And have any love for fame,
Never spare the ink and paper;
Let the people see your name;
Energy is the life of business,
Industry will always pay;
Never rest, but always labor,
Advertise from day to day.

We Want Your Axe Order

FOR FALL SHIPMENT.

Kindly hold it till our representatives call on you.

James Warnock & Co., - Galt, Ont.

COW TIES

Greening's Patent

We make the following:

Open Ring, six sizes.
Small Closed Ring, six sizes.
Large Closed Ring, six sizes.
Three Chain, six sizes.
Greening's Special Tie with Stall Fixtures, five sizes.

Our ties have stood the test for years and are undoubtedly the best in the market. Send for new price list. For sale by all jobbers.

The B. GREENING WIRE CO., Limited

HAMILTON and MONTREAL.



Geo. D. Wood & Co.

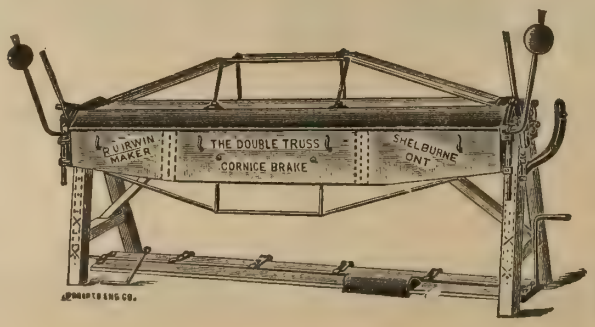
WINNIPEG, MAN.

Importers of and Dealers in

SHELF AND HEAVY
HARDWARE, PAINTS, OIL, GLASS, PUMPS, ETC.

Stock now **complete** in seasonable lines. **Prompt** shipment.

Letter orders receive **special** attention.



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

Price, $50

Very handy beader attachment, $10 extra if required.

Send for circulars and testimoniats to

The Double Truss Cornice Brake Co. SHELBURNE, ONT.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, **Montreal.**

Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates, Galvanized Sheets, Imitation Russia Sheets Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.



VanTuyl & Fairbank

Petrolia, Ont.

Headquarters for . .

Oil and Artesian Well Pumps, Casing, Tubing Fittings, Drilling Tools, Tables, etc.

R. C. LEVESCONTE

Barrister, Solicitor, Notary, Etc.

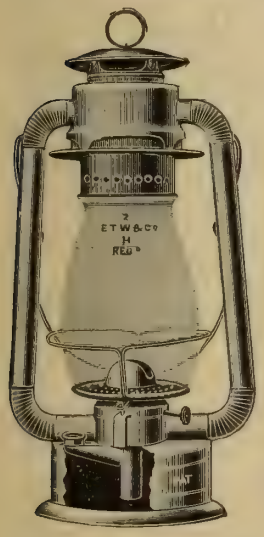
THE MCKINNON BUILDING
Cor. Jordan and Melinda Streets

. . . TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.

No. 3 Patent Well.

"Oil wont spill if upset."



Manufactured by

E. T. WRIGHT & CO.

Hamilton, Canada.

Send for New Catalogue.

TRADE MARK J REGISTERED.

"JARDINE" TIRE UPSETTERS WILL UPSET TIRES

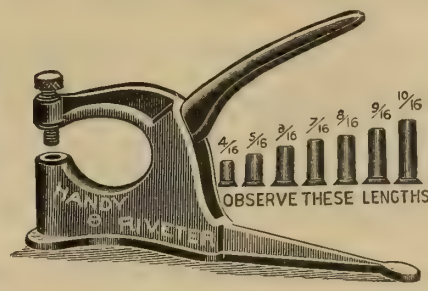
Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.
HESPELER, ONT.

IMPROVED HANDY RIVETER

For mending Harness, Belting, etc.



This is the Only Riveting Machine which will do sure work, throwing the rivet to centre of anvil every time and clinching a perfect head. The only machine operating a rivet longer than ½ inch—this being absolutely necessary for mending traces and heavier parts of harness. Most simply constructed and easiest operating Riveter on the market. Your stock is not complete without a supply of these very handy machines, which are rapidly becoming universal with the farmer, stockman, horseman, etc. A box of 50 No 1 Tubular Rivets in assorted lengths, from ¼ inch to ⅝ inch, with each Handy Riveter. When you want the best Riveter at the best price, write us regarding the Handy. We guarantee every machine.

ENTERPRISE MANFG. CO., Toronto, Ont.

BUSINESS NEWS

of any kind that is of value to business men supplied by our Bureau. We can give you market quotations from any town in Canada, reports from the city markets, stock quotations, etc. You can get commercial news from any Canadian paper through us.

Write us, giving us particulars of what you want and where you want it from, and we will quote you prices by return.

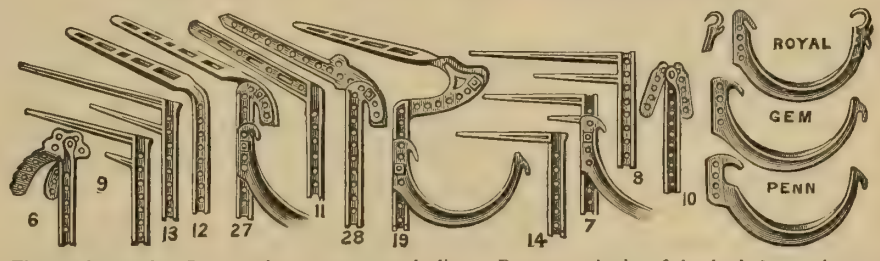
"Clippings from any Canadian paper on any subject."

The Canadian Press Clipping Bureau,

50 Board of Trade Bldg

TELEPHONE Main 1255. ... **MONTREAL**

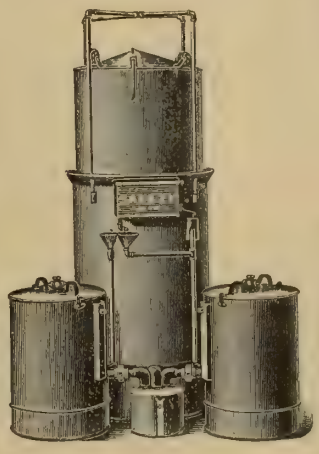
BERGER'S GUTTER HANGERS



The very best made. Strong and easy to put up and adjust. By proper selection of the shank the requirements for any style eave will be met. Other kinds of Hangers, Pipe Hooks and Fasteners, Gutter and Pipe, and a general line of

Tinners' Hardware and Roofers' Supplies.

BERGER BROS. CO., - - - - - - - PHILADELPHIA, U.S.A.



The "SAFETY"

ACETYLENE GAS MACHINE

manufactured by

The Safety Light & Heat Co.
DUNDAS, ONT.

What some of our friends say of us :

Dear Sirs,—The 10-light Safety Acetylene Gas Machine purchased from your Mr. Sparling has been in use in the office, composing and press rooms of the Vernon News since the beginning of the year, and it is giving excellent satisfaction. The light is clear, strong and much easier on the eyes than other forms of artificial light, and is admirably adapted for our purpose. The machine is easily operated and requires little attention. The automatic device for removing the ash from the carbide works to perfection. We find that there is no overgeneration of gas and consequently no waste. The ash is always dry when removed. Considering the volume of light we find it more economical than coal oil, and we can confidently recommend the Safety generator as a very excellent machine.

THE VERNON NEWS PUBLISHING CO, Vernon, B.C.

HUTCHISON, SHURLY & DERRETT

DOVERCOURT TWINE MILLS.

1078 BLOOR STREET WEST, TORONTO.

Having equipped our Factory with entirely new machinery, we are prepared to furnish the best made goods in the market at closest prices and make prompt shipments.

Hand Laid Cotton Rope and Clothes Lines,
Cotton and Russian Hemp Plough Lines, plain and colored.
Cotton and Linen Fish Lines, laid and braided.
Netted Hammocks, white and colored, Tennis and Fly Nets.
Skipping Ropes, Jute, Hemp and Flax Twines.

THOS. GOLDSWORTHY & SONS

MANCHESTER, ENGLAND.

EMERY { Cloth / Corn / Flour

We carry all numbers of Corn and Flour Emery in 10-pound packages, from 8 to 140, in stock. Emery Cloth, Nos. OO., O., F., FF., 1 to 3.

JAMES HUTTON & CO., Wholesale Agents for Canada, **Montreal.**

CURRENT MARKET QUOTATIONS

Sept. 22, 1899.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—	
56 and 28 lb. ingots, per lb.	0 37
Straits	0 37

Tinplates.

Charcoal Plates—Bright.

	Per box
M.L.S., equal to Bradley.	
I.C., usual sizes	$6 50
I.X., "	7 75
I.X.X., "	9 00
J. R. & Co.—	
I.C	6 00
I.X	7 25
I.X.X	8 50
Famous—	
I.C.	6 25
I.X.	7 50
I.X.X.	8 75
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	5 75
I.X.X. "	6 50
I.X.X., "	7 25
D.C., 12½x17	4 50
D.X.	5 25
D.X.X	7 25

Coke Plates—Bright.

Bessemer Steel—	
I.C., usual sizes	4 35
I.C., special sizes, base	4 50
20x28	8 75

Charcoal Plates—Terne.

Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 00
I.X., Terne Tin	9 25

Charcoal Tin Boiler Plates.

	Per lb.
Cookley Grade—	
X X., 14x56, 50 sheet bxs	0 07 0 07½
" 14x60 "	
" 14x65, "	

Tinned Sheets.

72x30 up to 24 gauge	0 07½ 0 08
" 26 "	0 08 0 08½
" 28 "	0 08½ 0 09

Iron and Steel.

	Base	Price
Common Bar, per 100 lbs	2 30	2 35
Refined " "		2 65
Horse Shoe		2 40
Hoop steel, 1½ to 3 in. base, extras for smaller sizes		2 75
Swedish "	4 00	4 25
Sleigh Shoe Steel " base		
Tire Steel		
Machinery		2 65
Cast Steel, per lb	0 10	0 14
Toe Calk Steel		
Thos. Firth & Sons' Cast Steel	0 12	0 14
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker.	2 00	2 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½-inch	0 11
2 "	0 12
2½ "	0 14
"	

Steel Boiler Plate.

¼ inch	3 25
3-16 inch	3 40
⅜ inch and thicker	3 25

Black Sheets.

18 gauge	2 75
20 gauge	2 75
22 to 24 "	2 90
26 "	3 00
28 "	3 25

Canada Plates.

All dull, 52 sheets	2 75
Half polished	2 85
All bright	3 25

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ⅜ inch, $3 60 ; ½ inch, $4.70 ; ¾ inch, $4.70; 1 inch, $5.90; 1¼ inch, $7.85 ; 1½ inch, $9.75; 2 inch, $13.00. 2½ to 6 inch, discount 50 p.c.

Galvanized, ½ inch, $6.50; ¾ inch, $8.00 ; 1 inch, $11.50 ; 1¼ inch, $16.00 ; 1½ inch, $20.00 ; 2 inch, $28.50.

Galvanized Iron.

	G C. Comet.	Amer.	Queen's Head
16 gauge			4 25
18 to 24 gauge	4 50	4 20	4 50
26 "	4 75	4 40	4 75
28 "	5 00	4 70	5 00

Less than case lots, 25c. per 100 lb. additional.

Chain.

Proof Coil, 3-16 in., per 100 lbs	6 75
" ¼ " "	4 75
" 5-16 " "	4 30
" ⅜ " "	4 15
" 7-16 " "	3 05
" ½ " "	3 85
" ⅝ " "	3 75
" ¾ " "	3 60 5 90
Trace, per doz. pairs	
Jack chain, iron, single, per doz. yards	0 13 0 50
Jack chain, double, per doz. yards	0 15
Jack chain, brass, single, per doz. yards	20 10

Copper.

Ingot.

English B. S., ton lots	0 20 0 21
Lake Superior	

Bolt or Bar.

Cut lengths, round, ½ to ⅞ in.	0 23½ 0 25
" round and square 1 to 2 inches	0 23½ 0 25

Sheet.

Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 23 0 23½
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 23 0 23½

NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.

Tinned copper sheets	0 26
Planished	0 32

Braziers. (In sheets.)

4x6 ft. 25 to 30 lbs. ea., per lb.	0 25½
" 35 to 45 " "	0 24½
" 50-lb. and above, "	0 23½

Boiler and T. K. Pitts.

Plain Tinned, per lb	0 28
Spun, per lb	0 32

Brass.

Roll and Sheet, 14 to 30 gauge, 5 per cent.

Sheets, hard-rolled, 2x4	0 24 0 25
Tubing, base, per lb	0 24 0 25

Zinc Spelter

Foreign, per lb	0 07½ 0 07¼
Domestic "	

Zinc Sheet.

5 cwt. casks	0 08¼
Part casks	0 08½

Lead.

Imported Pig, per lb	0 04½ 0 04¾
Domestic, per lb	
Bar, 1 lb	05¼
Sheets, 2½ lbs. sq. ft., by roll.	0 05 05¼
Sheets, 3 to 6 lbs., per sq. ft., by roll	0 04¾ 0 05

NOTE.—Cut sheets ½ cent per lb. extra

Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 20 per cent. discount

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths, lists at 7½ cents.

Shot.

Ordinary, drop, $4.75 per 100 lb. ; chilled, $5.15 per 100 lb. F.O.B. Toronto ; terms 3 per cent. cash, freights equalized on Montreal.

Soil Pipe and Fittings.

Discount, 50 and 10 per cent. on medium and extra heavy, and 50 per cent. on light.

Solder.

	Per lb.	Per lb.
Bar half-and-half	0 21	0 22
Refined	0 20	0 21
Wiping	0 18	0 19

NOTE.—Prices of this graded according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 11 0 11⅛

White Lead.

	Per cwt.
Pure, Assoc. guarantee, ground in oil, 25 lb. irons	6 15½
No. 1 do	5 75
No. 2 do	5 37½
No. 3 do	5 00
No. 4 do	4 62½
Robertson's Chemically Pure	6 12½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B. B. Genuine	8 12½
" " No. 1	7 25
James' genuine	7 20
" " No. 1	6 75

Red Lead.

Genuine, 560 lb casks, per cwt.	$5 00
Genuine, 100 lb. kegs, per cwt.	5 25 5 50
No. 1, 560 lb. casks, per cwt.	4 75
No. 1, 100 lb. kegs, per cwt.	5 00

White Zinc Paint.

Elephant Snow White	0 08 0 09
Pure White Zinc	0 08 0 09
No. 1	0 06 0 07½
No. 2	0 05 0 06½

Dry White Lead.

Pure, casks	0 05⅛
Pure, kegs	0 05⅝
No. 1, casks	0 04⅞
No. 1, kegs	0 05⅛

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)

Pure, per gallon	1 00 1 10
Second qualities, per gallon	0 90 0 95
Barn (in bbls.)	0 70 0 90
The Sherwin-Williams Paints	1 30
Canada Paint Co's Pure	1 10 1 20
Robertson's Pure	1 00 1 10
Sanderson Pearcy's Pure	1 00 1 10
Toronto Paint and Color Co 's Pure	1 10 1 20

Colors in Oil.

(25 lb. tins, Standard Quality.)

Venetian Red, per lb	0 05
Chrome Yellow	0 11
Golden Ochre	0 06
French "	0 05
Marine Black	0 09
" Green	0 09
Chrome "	0 08
French Imperial Green	0 19

Colors, Dry.

Yellow Ochre (J. C.) bbls. per cwt	1 35 1 40
Yellow Ochre (J.F.L.S.), bbls. per cwt	2 75
Yellow Ochre (Royal), per cwt	1 10 1 15
Brussels Ochre	2 00
Venetian Red (best). per cwt.	1 80 1 90
English Oxides, per cwt.	3 00 3 25
American Oxides, per cwt	1 75 2 00
Canadian Oxides, per cwt.	1 75 2 00
Super Magnetic Oxides, 93 p c.	2 00 2 25
Burnt Sienna, pure, per lb.	0 10
" Umber, "	0 10
do aw	0 09
Drop Black, pure	0 09
Chrome Yellows, pure	0 18
Chrome Greens, pure, per lb.	0 12
Golden Ochre	0 03¾
Ultra marine Blue in 28-lb boxes, per lb	0 08 0 24
Fire Proof Mineral, per 100 lb.	1 00
Genuine Eng. Litharge, per lb	0 07
Mortar Color, per 100 lb.	1 25
James' Gen. Red Lead, 100 lb	0 05
Pure Indian Red, No. 45, lb.	0 08
Whiting, per 100 lb.	0 55

Paris Green.

250 lb. casks	0 13½
50 lb. drums	0 14
1 lb. packages	0 15
½ lb. "	0 16½
1-lb. tins	0 15½

Sulphate of Copper.

Casks, for spraying, per lb.	0 07
100-lb. lots, do. per lb.	0 08

Putty.

Bladders in bbls.	1 80
Bladders in 100 or 200 lb. kegs or bxs	1 95
Bulk in bbls., per 100	1 65
Bulk in less quantities	1 80
25-lb. tins, 4 in case	2 05
12½-lb. tins, 8 in case	2 30

Quotations f.o.b. Toronto, Ottawa, Montreal, Hamilton, London. Guelph. For quantities less than 100-lbs., 2½c. per lb.

Varnishes.

(In 5-gal. lots.).

	Per gal.
Carriage, No. 1	1 30 1 40
Extra do.	1 50 1 60
Body Varnish	3 40 3 50
Furniture Varnish	0 50 0 60
Extra do.	1 00 1 10
Demar Varnish	1 50
Hard Oil Finish	1 30 1 35
Orange Shellac Varnish	2 00 2 10
White Shellac	2 20 2 25
Rubbing Varnish	2 00
Brown Japan	0 75
Elastic Oak	1 20 1 30

Linseed Oil.

Raw, per gal. net	0 57
Boiled, per gal. net	0 60

Outside points 1c. more than above figures

Turpentine.

1 to 4 barrels, net	0 71

Outside points 1c. more

Castor Oil.

In cases, per lb	0 09
Small lots	0 10

Cod Oil, Etc.

Cod Oil, per gal.	0 50 0 55
Pure Olive	1 20
" Neatsfoot	90

Glue.

(In bbls.)

Common	0 08½ 0 09
French Medal	0 12 0 12½
Cabinet, sheet	0 11 0 13
White, extra	0 16 0 18
Gelatine	0 22 0 30
Strip	0 16 0 18
Coopers	0 19 0 20
A1 clear	0 09

HARDWARE.

Ammunition.

Cartridges.

B. B. Caps. Dom., 50 and 5 per cent.
Rim Fire Pistol, dis. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18 p.c. Amr.

Use Syracuse Babbitt Metal

IT IS THE BEST MADE



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds Machinery Bearings.

PIG TIN, LEAD, INGOT, COPPER, BRASS, NICKEL, ALUMINUM, ZINC SPELTER ANTIMONY, ETC., FURNISHED PROMPTLY.

Factories: 332 William St., MONTREAL, QUE. and SYRACUSE, N. Y.

Syracuse Smelting Works

Central Fire Cartridges, pistol sizes, Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.
Brass shot Shells, 55 and 10 per cent.
Primers, Dom., 80 per cent.

Wads.

	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 33⅓ per cent.

Anvils.

Per lb	0 10	0 12½
Anvil and Vice combined each	....	4 50
Wilkinson & Co.'s Anvils, lb.	0 09	0 09½
Wilkinson & Co.'s Vices, lb.	0 09¾	0 10

Augers.

Gilmour's, discount 50 and 10 p.c. off revised list.

Hollow, Stearn's, per dozen	13 00	20 00
Adjustable, Stearn's, each	4 50	6 50
Post-hole, Vaughan's, each	60	90

AXES.

Chopping Axes—		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00
Bench Axes, 40 and 15 p.c.		
Broad Axes, 33⅓ per cent.		
Hunters' Axes	5 50	6 00
Boy's Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Bath Tubs.

Zinc	3 90	4 00

Copper, discount 40 and 10 p.c. off revised list
Steel clad, 20 per cent. discount off revised list. Boxing extra.

Anti-Friction Metal.

"Tandem" A	per lb.	0 23
" B	"	0 19
" C	"	0 11½

Magnolia Anti-Friction Metal, per lb. 0 25
O. B. New York or Chicago.

Bells.

Hand.
Brass, 60 per cent.
Nickel, 55 per cent.
Door.
Gongs, Sargant's 5 50 8 00
" Peterboro', discount 50 per cent.
Cow.
American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.
Farm.

American, each	1 25	3 00
House.		
American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00

Blacksmiths', discount 60 per cent.

Belting.

Extra, 50 per cent.
Standard, 50 and 10 to 50, 10 and 5 per cent.
Agricultural, 60 and 10 p.c.

Bits.

Auger.
Gilmour's, discount 50 and 10 per cent.
Rockford, Common, 70 to 70 and 10 per cent.
" Perfection, 50 and 10 per cent.
Jennings' Gen., net list.
Car.
Gilmour's, 47½ to 50 per cent.
Expansive.
Clark's, 40 per cent.
Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind Rollers.

Annex, per doz	1 25	1 75
Mascott, "	1 35	1 85
Erminie, "	1 00	0 00

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Norway Bolts, full square	65
Common Carriage Bolts, 5-16 & under	55
" " " ⅜ and larger.	50
" " " full square	65
Machine Bolts, all sizes	55
Coach Screws	67½
Sleigh Shoe Bolts	72½
Blank Bolts	55
Bolt Ends	62½
Nuts, square	3¾c ..
Nuts, hexagon	4¼c. ..
Tapping Nuts	60
Tire Bolts	60 and 10
Stove Bolts	60 and 10
Stove rods, per lb	5½ to 6c.

Boot Calks.

Small and medium, per M	4 50	
Small heel, per M	4 25	

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis 37½ per cent.

Henis, No. 8, "	....	6 00
Henis, No. 9, "	....	7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Plain building, per roll	0 28
Tarred lining, per roll	0 35
Tarred roofing, per 100 lb	1 40
Coal Tar, per barrel	3 75
Pitch, per 100-lb	0 60
Carpet felt, per 100 lb	2 25

Bull Rings.

Copper, $2.50 for 2½ in. and $2 for 2 in.

Butts.

Brass.
Wrought Brass, net revised list.
Cast Iron.
Loose Pin, dis., 60 per cent.
Wrought Steel.
Fast Joint, dis. 60 and 10 per cent.
Loose Pin, dis. 60 and 10 per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Cards.

Horse, per doz	0 60	1 00

Carpet Sweepers.

Bissell, per doz	....	22 50
World, "	....	21 75
Daisy, "	....	24 00
Star, "	....	18 00
Crown Jewel, per doz	....	29 00
Grand Rapids, "	24 00	33 00

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	8 50	9 50

Cement.

Canadian Portland	2 65	2 90
English "	....	3 00
Belgian "	....	2 70
Canadian hydraulic	1 00	1 10

Figures are for barrel lots.

Chalk.

Carpenters, Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.
Broad's, dis. 60 and 5 per cent.
Warnock's, dis. 60 per cent.

Churns.

Revolving Churns, metal frames—No. 0, $3—No. 1, $3.25—No. 2, $3.40—No. 3, $3.75—No. 4, $4.50—No. 5, $5.90 each. Ditto, wood frames—15c. each less than above. Terms 4 months or 3 p.c off 30 days, f.o.b.

Cinder Sifters.

Per doz	1 25

Clips.

Axle dis. 65 per cent.

Closets.

Plain Ontario Syphon Jet	$8 00
Emb. Ontario Syphon Jet	8 50
Fittings	1 00
Plain Teutonic Syphon Washout	4 75
Emb. Teutonic Syphon Washout	5 25
Fittings	1 00
Plain Richelieu	4 75
Emb. Richelieu	5 00
Fittings	1 25
Closet connection	1 25
Basins, round, 14 in.	0 65
" oval, 17 x 14 in.	1 55
" " 19 x 15 in.	2 30

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 20 per cent. from factory.

Dies.

Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. per cent.

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Broad's, dis 75 per cent.
Warnock's, dis. 50 and 10 per cent.

Drills.

Hand and Breast.
Millar's Falls, per doz. net list.
DRILL BITS.
Morse, dis. 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.
ELBOWS.
Stovepipe.

Per doz	0 85	1 70

ESCUTCHEON PINS.
Iron, discount 40 per cent.
FACTORY MILK CANS.
Discount off revised list, 45 per cent.
FILES.
Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Jowitt's, English list, 25 to 27½ per cent
Mechanics' Star & File Mfg. Co. Discount 60 and 10 to 70 per cent.
FORKS.
Hay, manure, etc., dis., 60 and 10 to 60 and 5 p. c. revised list.
FREEZERS
Ice Cream.

White Mountain, 1 to 25 qt	1 35	13 50
Arctic, dis. 50 p.c.		

FRY PANS.
Acme, dis. 65 to 67½ per cent.
FRUIT PRESSES.

Henis', per doz	3 25	3 50

Shepard's Queen City, dis. 15 per cent.
GAUGES.
Marking, Mortise, Etc.
Stanley's dis. 50 to 55 per cent.
Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	Double Diamon Per 50 ft.	Double Diamon Per 100 ft
Under 26	2 10	4 00	3 50	6 00
26 to 40	2 30	4 35	3 75	6 65
41 to 50	...	4 75	....	7 25
51 to 60	....	5 00	...	8 50
61 to 70	....	5 35	....	9 25
71 to 80	....	5 75	....	10 50
81 to 85	....	6 50	....	11 75
86 to 90	....	7 25	....	14 00
91 to 95	....	....	....	15 50
96 to 100	....	....	....	18 00
101 to 105	....	....	....	21 00
106 to 110	....	....	....	24 00
111 to 115	....	....	....	28 00

16 x 16 10 per cent. off.

HALTERS.

Rope, ⅜ per gross	8 25	8 55
" ½ "	9 25	6 50
" ⅝ "	11 00	11 20
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis 5 to 10 per cent.	Can.	dis.
25 to 27½ per cent.		

Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz., net	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pair	0 40	2 50

Fork
C. & B., dis. 45 per cent. rev. list.
Hoe.
C. & B., dis. 45 per cent. rev. list.
Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.
Canadian, 45 per cent.
Cross-Cut Saws.

Canadian, per pair	0 13¾	0 20

HANGERS.

Door, 4 and 5 inch, per pair	0 40	0 50

Lane's, 62½ per cent.

HARVEST TOOLS.

Discount, 60, 10, and 5 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent.

HINGES.

Blind, Parker's, dis. 60 and 10 to 65 per cent.
" Shepard's Noiseless, dis. 60 per cent.
" " Buffalo, dis. 60 to 70 p. c.

Heavy T and strap, 4-in., per lb		0 06
" " 5-in., "	....	0 05¾
" " 6-in., "	...	0 05½
" " 8-in., "	....	0 05¼
" " 10-in., "	....	0 05
Screw hook and hinge—		
6 to 12 in., per 100 lbs	....	3 75
14 in. up, per 100 lbs	...	3 00

	Per gro. pair
Spring	8 50

HOES.

Garden, Mortar, etc., dis 60, 10 and 5 p.c.		
Planter, per doz	4 00	4 50

HOOKS.

Cast Iron.

Bird Cage, per doz	0 50	1 10
Clothes Line, per doz	0 27	0 63
Harness, per doz	0 72	0 88
Hat and Coat, per gross	1 00	3 00
Chandelier, per doz	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.

Hat and Coat, discount 60 per cent.
Belt, per 1,000 ... 0 60 0 70
Screw, bright, dis. 65 and 10 per cent.

HORSE NAILS.

"C" brand 50 p.c. dis.
"M" brand 50 p.c. } Oval head.

Acadian, 50 and 20 p.c., countersunk head.

HORSESHOES.

Iron Shoes.	F.O.B. Toronto. No. 2 and larger.	No. 1. and smaller.
Light, medium, and heavy.	3 60	3 85
Snow shoes	3 85	4 10
Steel Shoes.		
Light	4 00	4 25
Featherweight (all sizes)	5 25	5 25

JAPANNED WARE.

Discount, 50 per cent. off list, June, 1899.

ICE PICKS.

Star, per doz ... 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb ... 0 30 0 35
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 50 p.c.
Cabinet, trunk, and padlock, Am. per gross ... 60

KNOBS.

Door, japanned and N.P., per doz ... 1 00
Bronze, Berlin, per doz ... 2 75 3 25
Bronze Genuine, per doz ... 6 00 9 00
Shutter, porcelain, F. & L. screw, per gross ... 1 30 4 00

KNIVES.

Clauss, bread, cake, and paring knives, $7 00 doz. sets net. to 10 per cent.
Christie, bread, cake, and paring knives, $7 00 doz. sets, with 10 p.c. off.
Hay knives, spear point, L. or T handle, 60 10 and 5 per cent.
Lightning, per doz ... 6 50 8 40
Health's, $7.75 net.

LANTERNS.

Cold Blast, per doz ... 7 50
No. 3 "Wright's" ... 8 50
Ordinary, with O burner ... 4 25
Dashboard, cold blast ... 9 50
No. 0 ... 6 00
Japanning, 50c. per doz. extra.

LEMON SQUEEZERS.

	per doz.	
Porcelain lined	2 20	5 60
Galvanized	1 87	3 85
King, wood	2 75	2 90
King, glass	4 00	4 50
All glass	1 20	1 30

LINES.

Fish, per gross	1 05	2 50
Chalk "	1 90	7 40

LOCKS

Canadian, dis. 33⅓ p.c.
Russell & Erwin, per doz ... 3 05 3 25

Cabinet.

Eagle, dis. 30 p.c.

Padlock.

English and Am., per doz	50	6 00
Scandinavian, "	1 00	2 40

Eagle, dis. 15 to 17½ p.c.

MACHINE SCREWS.

Iron and Brass.

Flat head, discount 25 p.c.
Round Head, discount 20 p.c.

MALLETS.

Tinsmiths', per doz	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz.	3 85	5 00
Caulking, each	60	2 00

MATTOCKS

Canadian, per doz	8 50	10 00
American, 60 and 10 p.c. off list.		

MEAT CUTTERS.

American, dis. 30 to 32½ p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2d. and 3d	$3 25	$4 30
3d	2 90	3 95
4 and 5d	2 65	3 80
6 and 7d	2 55	3 65
8 and 9d	2 40	3 45
10 and 12d	2 35	3 40
16 and 20d	2 30	3 35
30, 40, 50 and 60d. (base)	2 25	3 30

Steel Cut Nails 10c. extra.

NAIL PULLERS.

German and American ... 1 85 3 50

NAIL SETS.

Square, round, and octagon, per gross ... 3 38 4 00
Diamond ... 12 00 15 00

NETTING.

Poultry, 40 per cent. for McMullen's.

OIL.

Canada refined (Toronto)		0 13½
Sarnia Water White		0 15
Sarnia, Prime White		0 14
American w. w.		0 16½
Pratt's Astral		0 18

Swedes, cut tacks, blued and tinned—
In bulk ... 80 and 12½
In dozens ... 75
Swedes, upholsterers', bulk ... 85
" brush, blued and tinned, bulk ... 50
" gimp, blued, tinned & japanned 75
Zinc tacks ... 30
Leather carpet tacks ... 60

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz ... 0 00 11 00
Zinc and tin, dis. 50, 50 and 10.
Copper, per doz ... 1 25 3 50
Brass, " ... 1 50 3 50
Malleable, dis. 25 per cent.

PAILS.

	per doz.
Galvanized, straight pattern No. 12	2 00
Galvanized, straight pattern No. 14	2 25
Galvanized, straight pattern No. 16	2 55
Flaring pattern, No. 11	2 25
" " No. 12	2 50
" " No. 13	2 85
" " No. 14	3 30

PIECED WARE.

Discount, 45 per cent. off list, June, 1899.

PICKS.

Per doz ... 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross ... 1 40 3 00
Brass head, " ... 0 40 1 00

PLANES.

Wood, bench, Canadian dis. 55 per cent. American dis. 55.
Wood, fancy Canadian or American, 37½ to 40 per cent.
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.
Miscellaneous, dis. 25 to 27½ per cent.
Bailey's Victor, 25 per cent

PLANE IRONS.

English, per doz ... 2 00 5 00

PLIERS AND NIPPERS.

Button's Genuine, per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz ... 5 00 9 00
German, per doz ... 0 60 2 60

PULLEYS.

Hothouse, per doz	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS

Canadian cistern	1 40	2 25
Canadian pitcher spout	1 15	2 00

PUNCHES.

Saddlers', per doz	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set	0 00	0 72
" hollow, per inch	0 00	1 00

RAKES.

Cast steel and malleable Canadian, list dis. 50 and 10 p.c. revised list.
Wood, 25 per cent.

RASPS AND HORSE RASPS.

New Nicholson horse rasp, discount 60 p.c.
Globe File Co.'s rasps, 60 and 10 to 70 p.c.
Heller's Horse rasps, 50 to 50 and 5 p.c.

RAZORS.

	per doz.	
Geo. Butler & Co.'s	8 00	18 00
Boker's	7 50	11 00
Wade & Butcher's	3 60	10 00
Theile & Quack's	7 00	12 00

REAPING HOOKS.

No. 2	$2 00
No. 3	2 05
No. 4	2 15
No. 5	2 20

RIVETS AND BURRS.

Carriage, Section, Wagon Box Rivets, etc. (Steel), 45 p.c.
Black M. Rivets (Steel), 45 p.c.
Black and Tinned Rivets, 45 p.c.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets & Burrs, 35 p.c. dis., and cartons, 1c. per lb. extra, net.
Extras on Tinned or Coppered Rivets in ½-lb. cartons, 1c. per lb.
Burrs, iron or steel, 40 per cent.
Terms, 4 mos. or 3 per cent. cash 30 days.

RIVET SETS.

Canadian, dis. 35 37½ per cent.

ROPE, ETC

	Sisal.	Manila.
7-16 in. and larger, per lb.	12½	15
⅜ in.	13	15½
¼ and 5-16 in.	13½	16
Cotton		14
Russia Deep Sea		15½
Jute		8
Lath Yarn		9¾
New Zealand Rope		10½

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

Mrs. Potts, per set	0 70
" N. P., per set	0 85

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 2½ per cent.
Emery, 40 per cent.

SASH CORD.

Per lb ... 0 20 0 50

SASH WEIGHTS.

Sectional, per 100 lbs		3 25
Solid, "		1 50

SAWS.

Hand, Disston's, dis. 12½ to 15 p.c.
S. & D., 40 per cent.
Crosscut, Disston's, per ft ... 0 35 0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.
Hack, complete, each ... 0 75 2 75
" frame only ... 0 75

SAW SETS.

"Lincoln," per doz ... 5 50 6 00

SCALES

Gurney Scales, 45 p.c.
B. S. & M. Scales, 45 p.c.
Champion, 55 per cent.
Fairbanks Standard, 45 p.c.
" Dominion, 60 p.c.
" Richelieu, 60 p.c.
Chatillon Spring Balances, 25 p.c.

SCREENS.

Door, patent, per doz	6 00	12 00
Window, per doz	2 00	3 00

SCREW DRIVERS.

Sargent's, per doz ... 0 65 1 00

SCREWS

Wood, F. H., iron, and steel, 80 and 5 p.c.
Wood R. H., " dis. 75 and 5 p.c.
" F. H., brass, dis. 75 and 5 p.c.
Wood, R. H., " dis. 67½ and 5 p.c.
" F.H., bronze, dis. 67½ and 5 p.c.
" R.H. 62½ and 5 p.c.
Drive Screws, 82½ and 5 per cent.

Bench, wood, per doz	3 25	4 00
" iron, "	4 25	5 75

SCYTHES.

Discount, per doz. net	4 50	6 00

SCYTHE SNATHS.

Canadian, dis. 50 p.c.

SHEARS

Seymour's, dis. 50 and 10 p.c.
Heinisch, dis. 50 and 10 p.c.
Clauss, full nickel, 50 and 10 p.c.
" japanned handles, 67½ p.c. off.
Seymour or Heinisch tailor shears. 15 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SNAPS.

Harness, German, dis. 35 to 37½ p.c.		
Acme	3 00	5 00
Lock, Andrews'	4 50	11 50

SOLDER.

Bar, half-and-half	0 21¼	0 22
Refined	0 20½	0 21
Wiping		0 19½

NOTE.—Prices of this graded according to quantity. The prices of other quantities of solder in the market indicated by private brands vary according to composition.

SOLDERING IRONS.

1, 1½ lb., per lb	0 37
2 lb. or over, per lb	0 34

WROUGHT SPIKES.

Discount, 35 to 40 per cent.

SQUARES.

Iron, per doz ... 1 65 2 90
Steel, dis. 50 and 10 per cent., revised list.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p.c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized	3 80	
Bright	3 55	

STOCKS AND DIES.

American dis. 25 p.c.

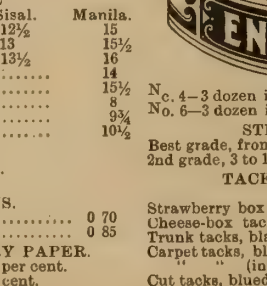
STONE.

	Per lb,	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador		0 13
" Axe		0 15
Turkey		0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, per ton	15 00	18 00

STOVE PIPES.

5 to 6 inch, per 100 lengths		6 75
7 inch, per 100 lengths		7 25

Stove Polish.



No. 4—3 dozen in case, net cash ... $4 50
No. 6—3 dozen in case, " ... 7 50

STEP LADDERS.

Best grade, from 3 to 10-ft. long, per foot, 16c.
2nd grade, 3 to 10-ft., per foot, 10c.

TACKS BRADS, ETC.

	Per cent.
Strawberry box tacks, bulk	75 and 10
Cheese-box tacks, blued	85
Trunk tacks, black and tinned	85
Carpet tacks, blued and tinned	80
" " (in kegs)	40
Cut tacks, blued, in dozens only	75 and 5
" ¼ weights	60
Copper tacks	50
Copper nails	52½
Trunk nails, black and tinned	70
Clout nails, blued and tinned	70
Chair nails	40
Cigar box nails	40
Patent brads	45
Fine finishing	45
Picture frame points	20
Lining tacks, in papers	10
" " in bulk	15
" " solid heads, in bulk, 75 and	12½
Saddle nails in papers	10
" " in bulk	15
Tufting buttons, 22 line, in dozens only	60
Tin capped trunk nails	15
Zinc glazier's points	5
Double pointed tacks, dozens	
" " " bulk	

TAPE LINES.

English, ass skin, per doz	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TINWARE.

Stamped, dis., Assn. list, 80 per cent.
Japanned, prices on application.
Pieced, prices on application.

TRANSOM LIFTERS.

Payson's per doz ... 2 60

TRAPS. (Steel.)

Game, Newhouse, dis. 40 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's, discount 10 per cent.		
German, per doz	4 75	6 00
Brade's "	5 00	10 50

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb		0 21
Wrapping, mottled, per pack.	0 50	0 60
Wrapping, cotton, per lb	0 17	0 18
Mattress, per lb	0 33	0 45
Staging, "	0 27	0 35
Broom, "	0 30	0 55

VISES.

Hand, per doz	4 00	6 00
Bench, parallel, each	2 00	4 50
Coach, each	6 00	7 00
Peter Wright's, per lb	0 12	0 13
Pipe, each	5 50	9 00
Saw, per doz	6 50	13 00

ENAMELLED WARE.

White Ware, discount 50 per cent.

WIRE.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Smooth Steel Wire, base, $3.35 f.o.b. factory points List of extras: Nos. 2 to 5, advance 7c. per 100 lb.—Nos. 6 to 9, base—No. 10, advance 7c.—No. 11, 14c.—No. 12, 20c.—No. 13, 35c.—No. 14, 47c.—No. 15, 60c.—No. 16, 75c. Extras net per 100 lb.: Coppered wire, 60c.—tinned wire, $2—oiling, 10c.—special hay-bailing wire, 30c.—spring wire, $1—best steel wire, 75c.—bright soft drawn, 15c.—in 50 and 100-lb. bundles net, 10c.—in 25-lb. bundles net, 15c.—packed in casks or cases, 15c.—bagging or papering, 10c.
Fine Steel Wire, dis. 12½ per cent. factory. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, $7.65—No. 24, $8—No. 25, $9—No. 26, $9.50—No. 27, $10—No. 28, $11—No. 29, $12—No. 30, $13—No. 31, $14—No. 32, $15 No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31, $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.60—No. 9, $3.10—No. 10, $3.70—No. 11, $3.75—No. 12, $3 20—No. 13, $3.45—No. 14, $4.10—No. 15, $4.70—No. 16. $4.25.

Broom Wire, per lb	0 05	0 05½
Clothes Line Wire, 19 gauge, per 1,000 feet		3 30

WIRE FENCING.

	F.O.B Toronto
Galvanized, 4 barb, 2¼ and 5 inches apart	3 25
Galvanized, 2 barb, 4 and 6 inches apart	3 25
Galvanized, plain twist	3 25

Terms, 2 per cent. in 10 days.

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net ... 1 75

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 70 to 70 and 10 p.c.
Standard, dis. 60, 60 and 10 per cent.
Coe's Genuine, dis. 10 to 25 p.c.
Diamond, dis. 33⅓ to 25 per cent.

Towers' Engineer, each	2 00	7 00
" S., per doz	5 80	6 00
G. & K.'s Pipe, per doz		3 40
Burrell's Pipe, each		3 00
Pocket, per doz	0 25	2 90

WRINGERS.

Leader	per doz.	$60 00
Royal Canadian	"	58 00
Royal American	"	48 00

Discount, 45 per cent.; terms 4 months, or 3 p.c. 30 days. Prices are f.o.b. London, Hamilton Toronto, Brockville or Montreal.

D. F. Jones Manufacturing Co. Limited, of Gananoque, Ont.

Established 1852.

Shovels
Spades
Draining Tools

TRADE MARK J D.F.J.MF'G.CO.

Grain
Coal
Scoops
and
Miners'
Shovels

The only Canadian manufacturers of Plain Back Shovels and Spades **THAT ARE SOLID,** without weld, and graduated from socket to point, and from centre to sides, of blades.

All our goods have trade mark on the handle.

McCaskill, Dougall & Co
Fine Varnish & Japan
Manufacturers
Montreal
Price Lists on application

"THE BEST IS CHEAPEST."

Buy McMullen's unequalled

Poultry Netting

—and—

Fencing.

Made by

The Ontario Wire Fencing Co.
Limited

PICTON, ONT.

For sale by The Canadian Hardware Jobbers; The B. Greening Wire Co., Hamilton and Montreal, General Agents, and James Cooper, Montreal, Agent for Railway Fencing. (20)

Buy the Best.



HERCULES

Sash Cord.

Star Brand Cotton Rope
Star Brand Cotton Clothes Lines
Star Brand Cotton Twine

For Sale by all Wholesale Dealers



IRON AND BRASS

Pumps

Force, Lift and Cistern Hand and Power.

For all duties. We can supply your wants with —quality the best and prices right. Catalogues and full information for a request.

THE R. McDOUGALL CO., Limited

Manufacturers, Galt, Canada.



"Build to-day then, strong and sure
With a firm and ample base."
—Longfellow

DO YOU?

WISH THUS TO BUILD an advertisement in the CONTRACT-RECORD, TORONTO will bring you tenders from the best contractors

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CHAS. F. CLARK, President. JARED CHITTENDEN, Treasurer.

ESTABLISHED 1849.

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THE BRADSTREET COMPANY

TORONTO OFFICE: Cor. Jordan and Melinda Sts

THOS. C. IRVING, Superintendent.

PERFECTION AUTOMATIC REVOLVER.



NEW Automatic shell extracting, double action, small frame. Weighs 12 oz. Rebounding lock. 32 caliber. 5 shot.

Made with shorter barrel for bicycle use.

The most perfect small pistol made.

SEND FOR CATALOGUE.

Forehand Arms Co.

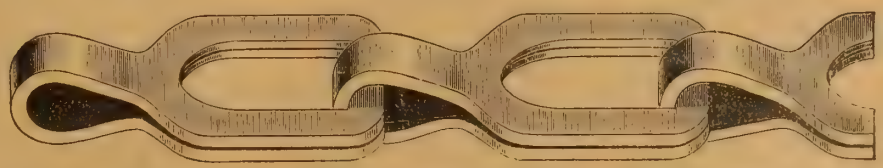
Manufacturers of the

Forehand Guns

Worcester, Mass.

AMERICAN COW TIES

WILL OUTLAST ALL OTHERS.



This is because the form of the link, the exact size and shape of which are shown above, is such that the wear is distributed evenly over its entire end. The bearing surface is thus very large, and the chain will wear for years without becoming worn appreciably.

With other styles of chain the bearing surface is only a very small portion of the extreme end of the link. Grooves are soon formed, and in a comparatively short time the links are worn—or, properly speaking, cut—through.

These facts are well shown on a cow tie recently brought us for repairs. It was an ordinary No. 00 three chain tie. One chain was wire, the other two American. One of the wire links was worn entirely through. The others were nearly as bad—a strong pull would have broken almost any of them With the American chains, on the other hand, the wear was very slight, and hardly noticable—three times this amount would not have weaken d the chains seriously.

In addition, because of its flat link and smooth surface, American chain is much easier for the neck of the animal than the twisted or wire chain. The American link cannot injure the animal's neck—other styles of link are very liable to.

American Cow Ties are made in all the standard patterns and sizes. They are sold by all jobbers.

ONEIDA COMMUNITY, Limited. NIAGARA FALLS, ONT.

Est. 1863 — Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve Medals

Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895

TO INSURE COMFORT AND SAFETY

...USE...

"Maltese Cross" Inner Tubes

AND

RIDE

HARTFORD TIRES

The Toronto Rubber Co.

Limited

185 Yonge Street - TORONTO, CANADA

EVERYBODY "TICKLED"

with the striking features of



Davidson's New Milk Can Bottom.

Made "two piece," it has all the security of a "one piece" bottom, without the strain that Spinning and Drawing causes.

It is so made that the "long grain" of metal is turned in, preventing **any possibility of Splitting.**

It **has** large rolled **edges** that will not **tear** waggon or factory floors.

Its "inside of bottom" fits snugly to hoops, using less time and solder in making. This **counts.**

Its "wearing parts" are strongly **re-enforced,** insuring greatest **durability.**

Made in all sizes, of 14-Gauge Steel, Perfectly Tinned.

See Travellers' Samples before placing orders.

THE **Thos. Davidson Mfg. Co.,** Limited,

MONTREAL, P.Q.

Name stamped on each bar.
"Langwell's Babbitt"
--Montreal.

CANADIAN

HARDWARE AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XI. MONTREAL AND TORONTO, SEPTEMBER 30, 1899. NO. 39



Magnolia Metal

Best Anti-Friction Metal for all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up in bars, of which this is a

FAC-SIMILE.

The name and trade mark appear on each box and bar, and besides this, the words "Manufactured in United States" and "Patented June 3, 1890" are stamped on the under side of each bar.



Magnolia Metal is still selling at the same price it has always sold at—no advance.

MAGNOLIA METAL COMPANY

LONDON OFFICE—49 Queen Victoria St.
CHICAGO OFFICE—Fisher Building, 281 Dearborn Street.
CANADIAN OFFICE—524 Board of Trade Building, Montreal.

Owners and Sole Manufacturers,
266 and 267 West St., New York



CANADA

"JUST AS GOOD"

so they say about many other brands comparing them with "QUEEN'S HEAD," but the claim only proves that "QUEEN'S HEAD" is the standard, and there is no brand which you can safely substitute.

JOHN LYSAGHT, Limited,
BRISTOL, ENG., and MONTREAL.

12 Years Prove It.

Time is the true test of Quality—twelve years of constant use without an unsatisfactory report on the Safford Patent Radiators! Not one complaint from leakage, bursting or wearing out—if proof is wanting of perfection in

Steam or Hot-Water Heating,

here it is. "12 years prove it."

No bolts, rods or packing—screw-nipple connections at every joint. Handsome as a radiator *can* be. Fits curves, circles, angles. Made by the largest radiator manufacturers under the British Flag. Illustrated catalogue free.

The Safford Radiators.

The Dominion Radiator Company, Limited,
TORONTO, ONTARIO.

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Winnipeg,	Vancouver,	London,
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RICE LEWIS & SON
(LIMITED)

ARTHUR B. LEE, President. *A. BURDETT LEE, V. P. and Treas.*

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Bar Iron
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MANTELS
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FINE BUILDERS' HARDWARE.

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SAVAGE REPEATING RIFLE

.303 CAL.



Hammerless
Smokeless
Six-Shooter

New 1899 Model

AGENTS:
Winnipeg, J. H. ASHDOWN
Toronto, RICE LEWIS & SON
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LATEST and FINEST Rifle manufactured.

Write for complete Catalogue W.

SAVAGE ARMS CO., Utica, N.Y., U.S.A.

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ACKNOWLEDGED THE BEST.

Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.

R. HEINISCH'S SONS CO.

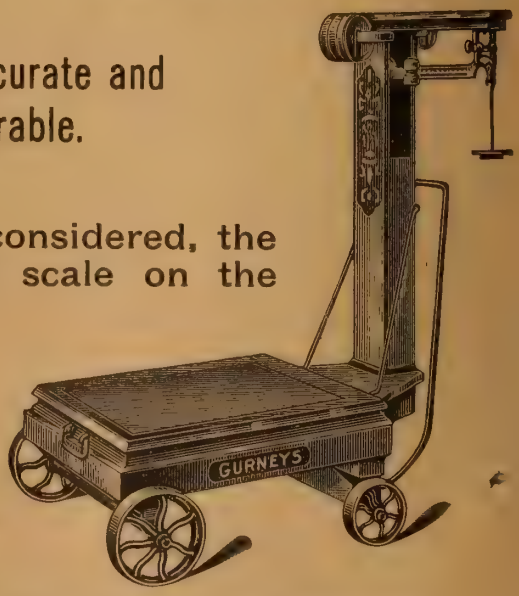
NEW YORK OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.

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Accurate and Durable.



Quality considered, the cheapest scale on the market.

A complete stock of Scales carried in Montreal by our Agent, WALTER GROSE.

THE GURNEY SCALE CO

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WOOD, VALLANCE & CO.,

Iron Merchants.

Importers of British and Foreign

HARDWARE

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Toronto Office:

☞ 88 York Street.

Thresher Belts



with these brands are a guarantee in themselves of excellence . . .

Manufactured by

The Canadian Rubber Co.

Of Montreal

Factories and Head Office, MONTREAL

Capital, $1,500,000.00



Ontario Branch, Toronto
Western Branch, Winnipeg

Write for . . .

Samples, Lists, and Discounts.

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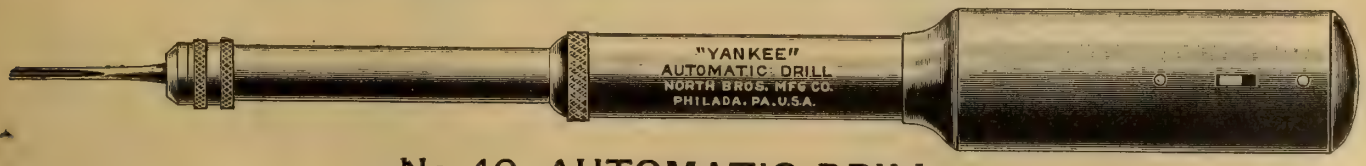
are sold by Leading Jobbers throughout the Dominion.



No. 10 RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.



No. 30 SPIRAL-RATCHET SCREW DRIVER.



No 40 AUTOMATIC DRILL.

FREE A handsome lithographed and embossed Sign in colors, on tin, to dealers handling these tools. Separate sign for each tool. Write at once which sign is wanted and it will be mailed post paid.

SEND FOR "YANKEE" TOOL BOOK.

North Bros. Mfg. Co.

Philadelphia, Pa., U.S.A.

This is the most powerful Furnace of its class in the Market.

LITTLE OX Wood Furnaces

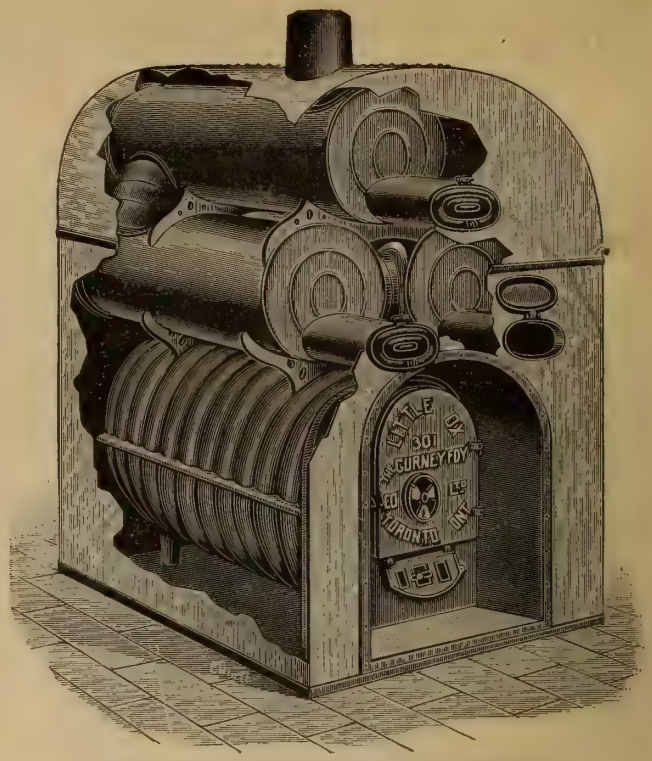
are made either Portable, as shown, or stationary for brick setting.

They have Double or Triple Return Flue Radiators, giving them an immense fire travel. They have been tested under the severest conditions, and never fail to give absolute satisfaction.

They are Smoke and Dust Proof; very easy to manage and regulate. Take 3 feet rough wood, and offer a capacity from 15,000 to 50,000 cubic feet.

You can't find better selling value.

Write us for Special Furnace Catalogue and Price List.



PORTABLE—with TRIPLE FLUE RADIATOR.

The GURNEY FOUNDRY CO., LIMITED,
TORONTO.

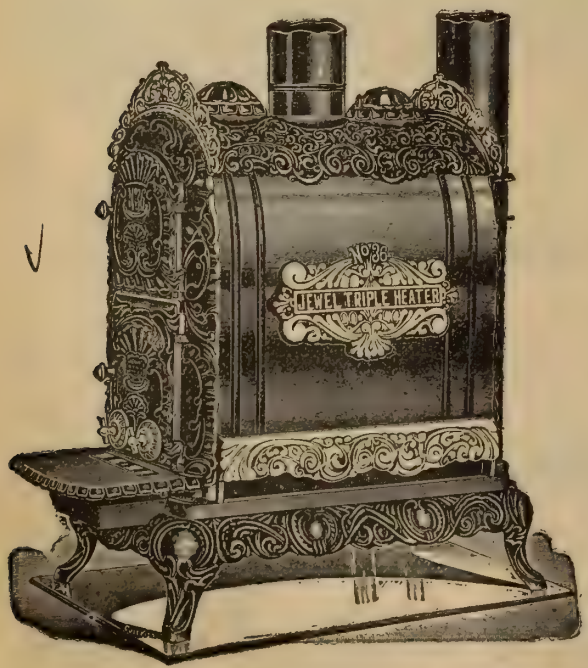
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WINNIPEG AGENTS, 155 and 157 Lombard St. **VANCOUVER,—C. A. GODSON, 151 Hastings St.**

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The "Jewel" Triple Heater

is the most powerful and artistic stove of its class yet manufactured.

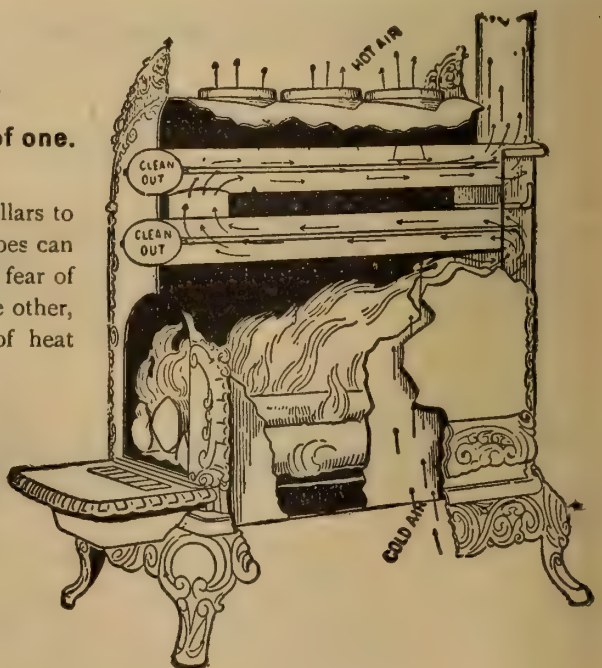


THREE HEATERS

for the price of one.

Three warm air collars to which three tin pipes can be attached without fear of one pipe robbing the other, as there is plenty of heat for all.

This stove is the most economical yet devised, and the dampers **are absolutely air-tight.** Write for quotations to the sole makers.



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Deseronto Iron Co.

LIMITED

DESERONTO, ONT.

Manufacturers of

Charcoal Pig Iron

BRAND "DESERONTO."

Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

FULL STOCK

DIAMOND BRAND



WIND GUARDS, CHIMNEY TOPS, FLUE LININGS,

CULVERT PIPES, SEWER PIPES, INVERT BLOCKS.

Manufactured by the

HAMILTON AND TORONTO SEWER PIPE CO.

Hamilton, Ontario. **Limited**



REMARKABLE RESULTS!!

In the City of Winnipeg—and it's a cold place—a No. 34 Copp Heater warmed a store perfectly containing 21,168 cubic feet.

Such a feat was never equalled in heating in this country with one stove of similar size.

We have added a size to burn 27-inch wood. This will be found suitable for any residence.

ASK FOR THE

COPP HEATER.

It's the greatest and most economical Heater made to-day.

THE COPP BROTHERS CO., Limited, Hamilton and Winnipeg

Hardwood CHARCOAL in Bulk or Sacks.

WOOD ALCOHOL equalling Methylated Spirits as a solvent.

Manufactured only by...

THE STANDARD CHEMICAL CO., Limited

Factories { Fenelon Falls. / Deseronto.

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...ZINC...

Spelter Sheet

From stock or for importation.
Enquiries solicited.

M. & L. Samuel, Benjamin & Co.

ENGLISH HOUSE:

Samuel, Sons & Benjamin

64 Fenchurch Street, London, E.C.

26 to 30 Front St. West TORONTO.

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WANTED—BY AN ENERGETIC YOUNG MAN (13 years' experience), position as price clerk or Hardware Broker's Assistant, one accustomed to making up cost on goods. Good connection with city and country trade. Has had experience on road from Toronto to Quebec. Unquestionable references. "H," care of Hardware and Metal, Montreal. (39)

KNOX HENRY.

Heavy Hardware and Metal Broker
Room 220½ Board of Trade, MONTREAL.

SPECIALTIES—**C** Brand Horse Nails—Canada Horse Nail Co.

BOLTS—Tire and Stove Rivets of all kinds—Chalcraft Screw Co.

BRASS GOODS—Gunn Castor Co., Limited, Birmingham, Eng.

Horse

A good many dealers order horse nails as if they were all alike; they write for so many boxes, without specifying any particular brand. As a consequence they get whatever the merchant may happen to have in stock of the sizes ordered. Sometimes they write for a particular brand but don't get it. The dealer may not have the brand in stock, and substitutes something else; sometimes to his own advantage.

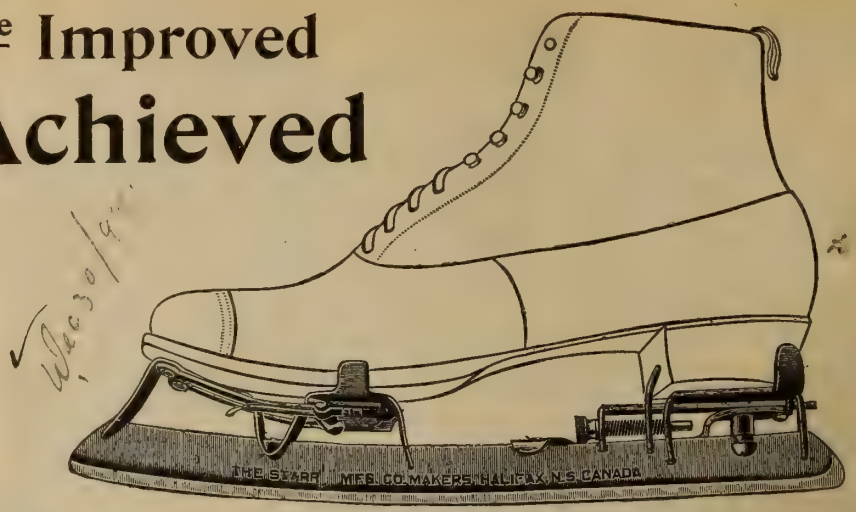
We are, without doubt, making the best horse nail in Canada. We use the best known material in the world for this purpose—Swedish Charcoal Steel nail rods, which are hot-forged to patterns of our own design, and finished by processes used only in our works. Every nail is hand-sorted and inspected. Every box is warranted perfect.

You will satisfy your customers with the "**C**" brand. Our name in full is on each box of our make.

Canada Horse Nail Company, Montreal.

Nails

The Improved Achieved



ITS unique mechanism enables this skate to "automatically" adjust itself to any size or shape boot sole, and by the action of the front device the sole of the boot and the front plate of the skate are drawn closely together, thus securing a "firmness of tread" not obtained in any other clamp skate. **"IT FEELS AS IF IT WERE SCREWED TO THE BOOT."** The patented runner provides for a greater combination of curves and figures than any other.

THE STARR MANUFACTURING CO., Limited,

SOLE MAKERS, HALIFAX, N. S., CANADA.

One of the
LEADING WHOLESALE HARDWARE HOUSES
in Montreal to-day is

SEYBOLD, SON & CO.,

Established 30 years.

Carrying a complete assortment of HARDWARE, from a Needle to an Anchor.



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon

Flat . . Bridled Paint . . Brushes

Profitable for you to handle—profitable for the painter to use.

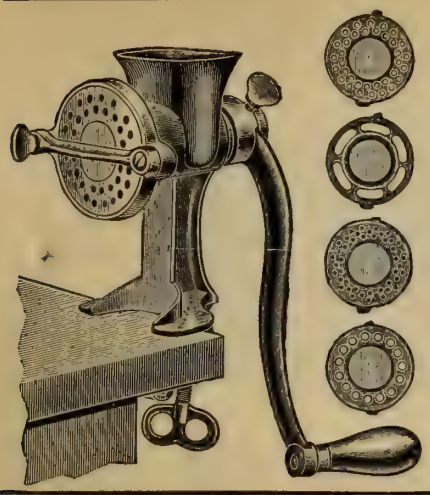
Watch that old fashioned flat, twine or wire bound brush—see how it bulges in the centre and how the paint works through. Boeckhs' Flat Bridled Brush saves all this trouble.

Illustrated catalogues free.

Manufactured by

Boeckh Bros. & Company

80 York St., TORONTO, ONT.



Established 1860. Incorporated 1895.

MEAT and FOOD CHOPPERS.

"THE STERLING"

Simplest Chopper made, composed of few pieces, easily taken apart and cleaned. No screws to take out and lose.

The Thos. Davidson Mfg. Co., Limited

MONTREAL.

COAL HODS, STOVE BOARDS, FIRE SHOVELS, LANTERNS, ETC.

HARDWARE BUSINESS FOR SALE.

Established twenty years on Main St., Winnipeg, Mantoba. Satisfactory reasons for selling. First-class stand with all modern fittings — unexpired lease. Apply to CAMPBELL BROS.. Winnipeg, Manitoba. (tf)

FOR SALE.

A NEW MARLIN RIFLE

Never been used. Just the Rifle for practice. Price $30. Will take $20.

19 Board of Trade, Montreal

STEVENS IDEAL, NO. 44



This is as reliable and accurate a rifle as can be constructed. Placed at a moderate price to meet the demand for such a rifle. It is recommended without qualification and fully guaranteed. Made in the following styles:

.22 Long-Rifle R. F., 25 Stevens R. F., and .32 Long R. F. Standard length of barrel for rim-fire cartridges, 24 inches. Weight 7½ pounds.

.25-20 Stevens C. F., .32-40 C. F., .38-55 C. F., and .44-40 (.44 W. C. F.) Standard length of barrel for center-fire cartridges, 26 inches. Weight, 7¾ pounds.

Half-octagon barrel, oiled walnut stock and fore-arm, rifle butt, case-hardened receiver, sporting rear and Rocky Mountain front sight.

Price, with standard length of barrel, $13.00.

Can be obtained of any of the leading jobbers in Canada at liberal discount from this price.

Send for complete catalogue of our full line of Rifles, Pistols and Machinists' Tools.

J. Stevens Arms & Tool Co., P. O. Box 217, Chicopee Falls, Mass., U S.A.

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ALL KINDS AND FOR ALL PURPOSES.

Manila Rope	Tarred Hemp Rope	Lathyarn	Spunyarn
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Jute Rope	Bolt Rope	Bale Rope	Lobster Marlin
Russian Rope	Hide Rope	Lariat Rope	Paper Cord
Marline	Halyards	Hemp Packing	Cheese Cord
Houseline	Deep Sealine	Italian Packing	Hay Rope
Hambroline	Ratline	Jute Packing	Fish Cord
Clotheslines	Plow Lines	Drilling Cables and	Sand Lines

"FIRMUS" Transmission Rope from the finest quality Manila hemp obtainable. Orders will not be accepted for second quality or "mixed" goods.

CONSUMERS CORDAGE COMPANY, Limited

Toronto Branch: 27 FRONT ST. WEST.

TEL. 94. Wm. B. Stewart, Agent.

Montreal, Que.



The Leader Lawn Swing

Children's Delight, Satisfying to all, Perfectly Safe, Very Strong, Most Restful and Invigorating.

ORDER NOW.

The Dowswell Manufacturing Co.

HAMILTON, ONT. Limited

REGISTERED TRADE MARK

ISLAND CITY

The Island City Paint and Varnish Works

Manufacture the following brands of ***White Leads***

The Island City Pure White Lead
The Island City Pure White Paint
The Island City Decorators' Pure White Lead

We advertise Island City Pure White Paint, not that we want to praise its qualities more than its worth, but it has given others better satisfaction than any other pure white lead, and we want you to use it.
We have not been able to fill all demands.

P. D. DODS & CO.,

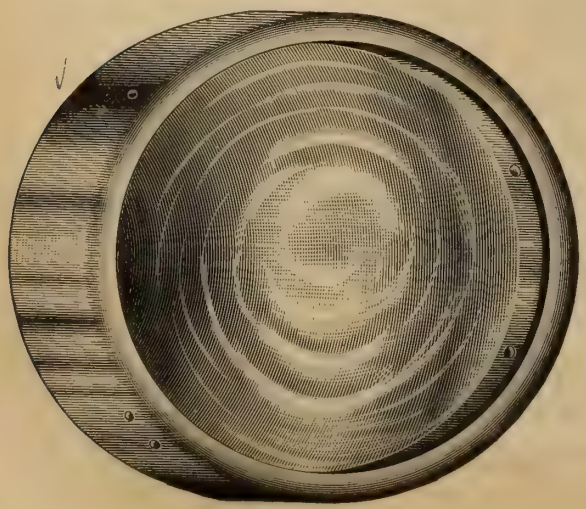
100 Bay St., TORONTO. 188 and 190 McGill St., MONTREAL.

Kemp's Broad Hoop, Roll-Rim Milk Can Bottoms

Introduced to the Trade in

1898

and generally pronounced to be the best ever offered.



The Broad Hoop, Roll-Rim Milk Can Trimmings

have been improved for season of

1899

and will be found to be the strongest, and therefore the most serviceable.

Kemp Manufacturing Co.

TORONTO.

HARDWARE AND METAL

Vol. XI. MONTREAL AND TORONTO, SEPTEMBER 30, 1899. No. 39

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Treasurer, HUGH C. MacLEAN, Toronto.

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WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

BUILDING OPERATIONS ACTIVE.

FROM almost every section in the Dominion reports of unusual activity in building operations are received. The larger cities all give evidence of this activity, but reports from many of the smaller cities and larger towns lay even greater emphasis on the amount of building being done in them. In many of them it is difficult to secure enough carpenters and other classes of mechanics to carry on the work to be done.

Throughout Manitoba and the Territories a shortage of lumber is reported. In Ontario the price of all lumber has been advanced. The price of laths, for instance, has been advanced $1 per 1,000 in less than two months. This has caused great activity in the lumber camps of Ontario, activity likely to continue for several years. The demand for brick, stone, structural iron, cement, etc., has been greater than usual, thus resulting in increased activity and employment of laborers in brick kilns, stone quarries, cement factories, etc.

The demand for carpenters, painters, masons, etc., has been so large that in several towns it has been difficult to get enough men to do the work desired done.

This increased employment of labor is naturally beneficial to all merchants, inasmuch as it means more ability and inclination on the part of those employed to buy merchandise.

The hardware dealer, however, should receive most benefit from this activity, because of the increased business in builders' tools, glass, paints, nails, furnaces and shelf hardware. The dealer who was fortunate enough to have good stocks of these goods when prices were much below what they are to-day, and who has been wise enough to advance his prices as the wholesale price went up, should reap a good harvest. And he should reap it, just as he must reap the results of a bad year, when falling prices take away his profits and sometimes more than his profits.

WHY ADVERTISING DID NOT PAY HIM.

ADVERTISING, to be successful, must be honest. And not a few who complain that advertising does not pay could, no doubt, trace the cause rather to their own untruthfulness than to the medium through which they make their announcement to the public.

Most people who are dishonest in their advertisements would, doubtless, scout the idea that they were. They would, perhaps, acknowledge that they exaggerated a little. And exaggeration, they fancy, is legitimate.

But to exaggerate is to lie, and to lie is to be dishonest.

A customer may not discover that the article advertised is only worth $1 which the advertiser declared to be worth $1.50, but would be sold for 75c. But there is a possibility that he will. And merchants cannot afford to run risks of this kind. Neither does it pay to fool people by resorting to the trick born of the department store, namely, to advertise that a certain line will be sold at a certain hour at a fabulously low figure, and then to declare it has been sold out when people flock to the store to buy it.

Dishonest advertising and successful advertising are not synonymous terms, as some seem to suppose. A large retail merchant in a certain Canadian city had this proved to him a year or two ago.

He was complaining to a friend of his who was engaged in the newspaper business that advertising did not pay. Being on intimate terms, the latter plainly told the former that advertising did not pay him because he frequently did not tell the truth in his announcements. "People," he said, "have come to your store time and again and found that the goods were either not as represented or had been sold."

The outcome of the conversation was that the newspaperman volunteered to write his friend's advertisements for a short time, in order to prove the correctness of his promise.

The merchant agreed. After a while people began to learn that the goods were as advertised. And the merchant in question no longer doubts the efficacy of advertising—that is honest advertising.

MR. McNAUGHT'S DEFENCE OF TORONTO FAIR.

IN another column will be found a letter from Mr. W. K. McNaught, in reply to an article headed, "Fakes at the Toronto Industrial Exhibition," printed in our last issue.

We must congratulate Mr. McNaught upon the gentlemanly and dignified tone of his letter, but, in self-defence, we cannot allow it to pass without some criticism.

What Mr. McNaught says in regard to the selling privileges in the main building we are quite prepared to accept. We are glad to know that he, as chairman of the building, has been instrumental in reducing the number of such selling privileges, and we presume that he would have still further reduced the number were it not that he could not resist the importuning of the ladies' committee. From the very fact that Mr. McNaught has so persistently set himself to the task of weeding out from the main building those who took space to sell and not to exhibit goods, he is obviously of the same mind as HARDWARE AND METAL, and a good many people whose opinion it voices, that such things are foreign to the original intention of the Toronto Exhibition.

We think, however, that Mr. McNaught is a little hard on us when he declares the article in question made "assertions which have no foundation in fact," for we still persist, notwithstanding what he himself has tried to do as chairman of the building committee, that there is too much space given up to people whose purpose is not to exhibit, but to sell, and that goods which are commonly designated "Cheap John" goods. In this report we are not voicing our own opinion alone, but that of scores of people who visited the main building.

Mr. McNaught must not for one moment think we are blaming him personally for the condition of affairs in the main building. We are blaming no one. What we are blaming is the system that permits those "Cheap John" affairs to have a place in the main building. We believe that Mr. McNaught, as chairman of the main building, is the right man in the right place, and we are more than ever confident of this after learning from his letter, published elsewhere, that he is engaged in the task of weeding out the potato peelers, jewelry and other pedlars, and the restauranteurs. May he long be chairman of the main building!

It will be noticed that Mr. McNaught makes no remark whatever in regard to the gravest of all charges levied against the management of the Industrial Exhibition. We refer to the charge regarding the indecency, implied and real, which characterized, day by day, some of the side-shows in the so-called Midway Plaisance.

Those who know Mr. McNaught, either personally or by repute, are perfectly aware that such shows would have rather his condemnation, than his approval. If, therefore, he did not think it politic to commend our remarks in this respect, we do not think he should, in the beginning of his letter, have declared that our assertions had "no foundation in fact."

CANADA'S PIG IRON INDUSTRY.

IN a recent interview, W. A. Rogers, of Rogers, Brown & Co., the great foundry and forge pig iron firm of the United States, which sends so much pig iron into Canada from their Tonawanda, New York, works, gave some interesting opinions regarding the future production and consumption of pig iron in Ontario.

He believed that the manufacturing industries of Ontario which consume pig iron are bound to develop largely in the next few years. The industrial expansion affecting both Canada and the United States, he expected, will especially affect industries consuming iron and steel. The enlargement and perfecting of the Canadian canal system is, in Mr. Brown's opinion, a prominent factor in the trade improvement, and will alike benefit the commerce of the eastern and western Provinces.

The production of pig iron, in Ontario, however, he does not expect to grow as rapidly. It will be limited to local consumption, for the reason that there is at no point in Ontario a locality where iron ore and good cooking coal are found in close proximity. He is also of opinion that the developments in Cape Breton, where these two materials are found close together, will make competition for foreign orders by an Ontario pig iron firm impossible. This, of course, remains to be seen. The Deseronto charcoal furnace people are already beginning to export, it might be noted.

The Cape Breton works, Mr. Brown states, are so excellently situated that pig iron and basic steel can be manufactured there as cheeply as in Alabama, and much more cheeply than in Europe. These works may also become a factor in the pig iron supply of Ontario, as the improvement in canal facilities will afford cheap transportation of their products from the east into the west.

When asked about the establishment of a blast furnace in Toronto, Mr. Rogers said that a year ago their firm contemplated building, at some point in Ontario, a blast furnace for the manufacture of strong foundry iron of the character of their "Niagara" brand, but, after a very careful investigation of the field, they found conditions existing which would make such a venture doubtful as a permanently sound business proposition, although any properly-managed blast furnace would make money during the next two or three years, and, until the situation had further developed, nothing would be done. A blast furnace involves such a large expenditure that an investor needs to be reasonably certain of at least 25 years of unchanging conditions. He considered Toronto to be, however, the best distributing point in Ontario, and that the commercial importance of the city would be greatly increased by the proposed air line or a canal to the Georgian Bay.

He did not agree with a recent statement of Frank B. Baird, of the Union Iron Works, Buffalo, who stated a few weeks ago before a commission in New York, that the Welland canal is the best site for a pig iron furnace in North America. The Welland canal situation has been considered by Rogers, Brown Co., but the serious handicap of being remote from any consumer and with only one line of railroad to distribute made them consider that site as inferior to some others. Cape Breton, in Canada, and Alabama, in the United States, are, in Mr. Brown's estimation, the best natural sites for large pig iron works in North America.

Hard work is the easiest way to obtain success in life.

MR. TARTE'S EYES OPENED REGARDING THE ST. LAWRENCE.

THE Minister of Public Works evidently kept his eyes open when he was abroad recently, for he tells us that he has discovered that the buoys and lighthouses on the St. Lawrence are totally inadequate to make that route to the sea a safe one, particularly in comparison with the rivers and harbors he visited in Great Britain.

If there is anything done as a result of Hon. Mr. Tarte's seeing, the Dominion in general, and the St. Lawrence route in particular, will be the gainer, for it was no stretch of the imagination when the Minister intimated that the route in question is in an unsafe condition owing to a laxity of buoys and lighthouses.

What has become so evident to the Minister of Public Works has long been evident to a good many conversant with the St. Lawrence route, except seemingly Ministers of the Crown, who were, it is more than suspected, much more interested in the buoys and lighthouses that would guide them into ways and bye-ways which would perpetuate them in power. The marine insurance underwriters in Great Britain knew, however, and the high rates of insurance on steamers running to the St. Lawrence, as compared with those plying to United States ports, is the result of this knowledge.

With the public expenditure as large as it is, to urge the undertaking of that which would still further enlarge it is something that should only be done when circumstances urgently demand it.

HARDWARE AND METAL is persuaded that an increase—and a large increase, too—in the buoys and lighthouses on the St. Lawrence is necessary, beyond all question, and, as this cannot be done without money, it does not hesitate to urge the Government to make the necessary expenditure.

The trouble is that, in our over-liberality in bonussing railways, we have to a large extent overlooked the safeguarding of such outlets to the sea as the St. Lawrence river and Gulf.

Now that we are reaping the whirlwind of this policy, we are becoming thoroughly awake. With this awakening there is a desire to put our house—or, rather, our St. Lawrence route—in order, and thus bring about a removal of the discriminating marine insurance rates against Canadian ocean routes.

But we cannot secure this as long as we expect to secure a maximum of safety from a minimum of expenditure.

Before, however, undertaking the work it would, it seems to us, be best for the Government to appoint experts to thoroughly investigate, not only the St. Lawrence, but every other important Canadian exit to the Atlantic, and to formulate its policy upon their report. The question of extensive deckloads and lengthy delays to which steamers are put might also come in for a share of the attention of the commission.

And whatever is done should be done quickly.

THE STRONG SITUATION.

THE general iron situation during the past fortnight has continued to reflect marked strength.

Our regular market reports last week called attention to important advances in staple lines, and appreciation is again to report this week in others. Outside the situation continues markedly buoyant, the most notable point in this connection being the advance in billets from $38 per ton at Pittsburg, on September 13, to $41 per ton now.

This is a gain of $3 per ton—over $24 per ton above where they were at the same time last year.

It is hardly necessary to dwell upon the fact that billets constitute the raw material with our rolling mills for a large number of the finished lines they turn out. This recent sharp appreciation in billets, therefore, has an important bearing on the future course of prices in several important lines of general hardware.

The appreciation in steel rails for Eeastern delivery from $32 on September 13 to $35 per ton to-day, is another indication of the strength of the general situation. The exports at New York also week by week show that there is still a considerable foreign movement of material to be considered, as well as the increased demand from our own continent. Since January 1 the exports from New York and Baltimore have amounted to 89,180 tons of steel nails, 3,184 tons of pig iron, 37,508 tons of steel bars, and 6,770 tons of steel billets, or 136,542 tons in all of heavy steel and iron material.

STOVES, FURNACES, ETC., ADVANCE

Ever since the last advance was made in stoves and furnaces a few months ago, the situation has been a decidedly strong one, for not only has the cost of raw materials steadily appreciated, but the various manufacturers have been unequal to the task of supplying the demand.

This condition of affairs has led to still another advance of 5 per cent. in the price of stoves, furnaces, ranges, registers and hollow ware. The change goes into effect on October 2, when the new discounts will be as follows: Stoves and ranges, 45 and 5 per cent.; hollow ware, 45 and 5 per cent.; furnaces, 40 and 5 per cent., and registers, 60 per cent.

This is the third advance within a year, and means a total increase in that period of 20 per cent. The cost of raw material has, however, advanced 50 to 100 per cent.

Accompanying the announcement of the advance is a statement to the effect that the manufacturers cannot undertake to accept any orders for delivery after December 31, 1899, nor can they accept any orders unless same are specified.

ADVANCE IN HANDLES.

The Canadian manufacturers of handles have effected a new agreement regarding prices. Under this agreement, ash goods, second growth and extra, are quoted at 30 per cent. off, and all other grades 40 per cent. off. In hickory handles, all lines and grades are 40 per cent. off the list.

One of the reasons advanced for the higher prices is the fact that second growth and extra ash is getting scarce.

QUESTIONS AND ANSWERS.

BOX FASTENERS WANTED.

A wholesale house wants to know who manufactures a packing-box fastener. It is made from strips of iron, and does away with the use of nails. Can any of our readers supply the desired information? If they can, will they kindly write this office?

A SUGGESTION IN STOVES.

ANY method of stove arrangement that will enlarge the possibilities of business without adding too much to the expense account is a matter worthy the attention of the merchant. Here is a suggestion for the stove trade from Stoves and Hardware Reporter:

Stoves and ranges are generally arranged in a more or less definite way, either on the floor or a raised platform. They are on exhibition as well as on sale, and the dealer naturally desires to have them at all times in a position where their best points can be seen and examined. This end, however, is not best attained by following the present method of arrangement. If, for instance, the goods are arranged in two lines, with but a narrow space between the lines, it is difficult to get at even all the exterior points without moving the goods out into a more open space. A customer very seldom cares to purchase without examining all the working parts, and this cannot be done under the system now in vogue without causing unnecessary trouble and delay, with the possibility of missing a sale.

The stove truck, commonly used in moving and shipping goods of this class, can be given a wider and a profitable employment in stove arrangement. Supposing that a dozen samples are kept on exhibition. As many trucks may be purchased and used as movable platforms. The stoves can then be easily moved out into the aisle for purposes of examination, or, what is better still, a clear space can be left at one end of the store and the stoves wheeled out into a position were all their best talking points can be demonstrated to the greatest advantage. This will add to the convenience of the purchaser and have a more practical utility in enabling him to see the whole and not merely a part of his contemplated purchase.

The truck system, as here suggested, has an equally desirable use in another direction. It frequently happens that the dealer keeps all of his exhibition stock in one position throughout the selling season, never making any changes and permitting regular visitors to see the same old uniformity every time they call. They see nothing new in arrangement or display and pay no attention to the goods because they see nothing to attract it. Stove positions should be regularly changed. Once a week is not too often and twice a week is much better. This can be easily and quickly done by using the trucks, whereas it would require much time and considerable trouble when the stoves are not so mounted. Any system of regular changes by an easy method has a great deal to commend it. The cost of the trucks is but little as compared with the advantages they present, and this is more than compensated for by their greater facilities for making sales and the increased attractiveness of the store.

SLOW POKES.

It's a cold and unadulterated fact that the slow pokes are always those who find the greatest fault with the world's affairs, writes "The Hustler," in Stoves and Hardware Reporter. They think they should have been consulted about the creation, and left to manage it afterwards. Their ideas are certainly old enough to make one believe they know something about the ark. But, pin them down to present facts, and they don't know enough to take an electric car when a mule motor is around the corner, and may heave-to in a week. Just now, these people think business doesn't amount to much because prices are so much higher than they used to be, and it doesn't pay to buy goods because they can't be sold. Possibly they may be honest in their belief. If they are, they had better go to a commercial kindergarten, and learn some of the first principles of business and all that goes up to make it. They have more to learn than has the smallest kid in the infant class.

A MILLION FOR A PATENT.

There are many people so sceptical as to the value of patents that they are ready to condemn anyone who applies for a patent as guilty of an act of folly. The following offer made by one of the most prominent and responsible business men in the United States, should tend to cause the sceptics to seriously consider the subject of the value of patents:

"President Charles J. Glidden, of the Erie System of Telephone Companies, has offered to pay $1,000,000 for a telephone repeater which would be as efficient in telephoning as a telegraph repeater is in telegraphing. A telephone repeater is a machine for repeating sound. From the the earliest days of the telephone, inventors have sought to make such repeaters, but, up to the present time, this invention has not been made."

As an additional incentive to inventors proposing to compete for this prize, Marion & Marion, of Montreal, offer to refund all moneys paid them by any inventor applying through them and winning this prize, and to patent the invention in all desired foreign countries free of charge.

The trade figures of the Dominion for August show a large development in Canada's trade as compared with 1898. The aggregate trade increased $9,017,804, as compared with August of last year.

BUILDING ACTIVITY IN TORONTO.

During the month of September, this year, the demand for permits to build in Toronto has resumed the activity which characterized the spring months, March, April, and May. The issuance of permits during these months was greater than in any three months since 1892. In the summer months, however, a marked decrease in the demand for permits was noted, though building operations continued as brisk as the supply of men and material would permit.

It looks as if throughout the fall and winter the activity of building operations will continue great, for, while many of the large office and manufacturing buildings are yet unfinished, and a large number of residences throughout the city are in course of erection, there have been issued during September permits for over $320,000 worth of new structures. This is more than the aggregate issue of permits during September in the three previous years, and is the record for September during the past 10 years. Included in the list for the past week are two large structures, to cost in the neighborhood of $100,000 each. One of these will be a five-storey office building, on corner of Queen and Terauley streets, across from the new city hall building. E. J. Lennox is the architect. The other will be a five-storey residential apartment building at the corner of George and Harbord streets. C. W. Thomas is the architect of this building, which will be the first edifice of its kind in Toronto.

BRASSIC GOODS.

Gunn, Castor & Co.'s new brassic goods are giving good satisfaction to the trade, so the agent, Mr. Knox Henry, reports. Repeat orders are coming in promptly, and retailers should place their orders early, so as to secure their stock before navigation closes. These goods are held to be much cheaper than solid brass, and for finish and appearance cannot be recognized from all-brass goods.

WIRE NAILS
TACKS
WIRE
Prompt Shipments
The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

ANDREW MORRIS, coal and wood dealer, Listowel, Ont., has assigned to R. S. Smellie.

James L. Richardson, general merchant, Albert, N.B., has suspended.

David Neima, general merchant, etc., Newcastle, Ont., is offering 25c. on the dollar.

John Cunningham, general merchant, Metlakatla, B.C., has assigned to W. A. Lawson.

Assignment has been demanded of N. Commire, Fils & Cie., founders, Maisonneuve, Que.

V. E. Paradis has been appointed curator of Mrs. C. G. Levesque, general merchant, St. Flavie Station, Que.

John Saunders, plasterer, Gooseberry Island, Newfoundland, has applied for declaration of insolvency.

A meeting of the creditors of H. H. Mosher, general merchant, etc., Apple River, N.S., has been held.

E. D. R. Phillips, general merchant, Bath, N.B., has assigned, and a meeting of his creditors has been held.

PARTNERSHIPS FORMED AND DISSOLVED.

Delage Bros., painters, Vancouver, have dissolved.

Thibault & Fortier, painters, Quebec, have dissolved.

H. F. Lunan & Co., contractors, Montreal, have dissolved.

Henry Fairfield and Vital Granger have registered partnership as dealers in agricultural implements, under the style of Fairfield & Granger.

Mrs. Eugenie Bourdon and Alphonse Bourdon have registered partnership under the style of Raymond & Cie, general merchants, St. Hyacinthe, Que.

We Wong Lai, Hing Wong Kum and Wha Chan Wing - Poo have registered partnership as general merchants under the style of Ah Yee, in Vancouver.

J. H. Farr & Co., Manufacturers asphalt, varnish and paints, Toronto, have dissolved, J. H. Farr and S. Rogers retiring, and the remaining partners and others obtaining incorporation under the style of The Imperial Varnish and Color Co., Limited, Toronto.

SALES MADE AND PENDING.

Wilbrod Labreche, hardware dealer, Montreal, has sold out.

F. X. Paradis, general merchant, St. Michel Napierville, Que., has sold out.

W. H. Lawson, general merchant, Park Head, Ont., is advertising his business for sale.

The assets of J. & P. W. Nadeau, general merchants and lumber dealers, Grand Cascapedia, Que., have been sold.

A GOOD REPUTATION

is not built on air. You go down far below the surface and strike rock bottom. Then you build staunchly and surely, always putting in the best of yourself and the best that the world offers for your use.

That's the way we've built up the reputation of

THE SHERWIN-WILLIAMS PAINTS

Quality has been our rock-bottom principle from the beginning, and we never once have put on the market a can of paint that we could not honestly say represented our best endeavors to make the best paint in the world.

Every can-full of our paint is in every respect a reputation-maker, not only for us, but for every dealer who handles it, and a good reputation sells paint. Don't be afraid to aim high.

THE SHERWIN-WILLIAMS CO.

PAINT AND VARNISH MAKERS.

Canadian Division:
21 St. Antoine St.,
Montreal.

CLEVELAND.
CHICAGO.
NEW YORK.
MONTREAL.
BOSTON.
TORONTO.

F. P. Bruneau, general merchant, Lyster Station, Que., has sold out at 81c. on the dollar.

The stock of J. H. Duguay, general merchant, La Baie, Que., has been sold at 60c. on the dollar.

The stock, etc., of the estate of Geo. T. Callan, general merchant, Petrolea, Ont., is advertised for sale by auction.

CHANGES.

Leon Gougeon has opened a hardware store in Montreal.

C. Pratt is opening a general store at Stony Plain, N.W.T.

Fortin & Fortin, contractors, Arnprior, have gone out of business.

Alex. Chrystall, boilermaker, Goderich, Ont., is giving up business.

G. A. Cockburn, general merchant, Moose Creek, Ont., is retiring from business.

J. N. Boutilier, general merchant, Bedford, Que., has sold out to R. Richardson & Son.

Zila Filteau has registered as proprietress of Nap. Labelle & Co., general merchants, St. Nicholas, Que.

Philip H. Howland has registered as proprietor of Winn & Holland, dealers in iron and steel, Montreal.

Chisholm & Copeland, general merchants, Grenfell, Man., are opening a branch at Summerberry.

J. O. Arsenault & Son, general merchants, Abram's Village, P.E.I., have sold out their branch store to S. E. Gallant.

FIRES.

E. Rousseau & Co., machinists, Quebec, have been damaged by fire.

Alex. Johnson, sawmiller, Cloverdale, B.C., has been burned out.

Sydney Wood, sawmiller, Digby, N.S., has been burned out; loss estimated at $7,000; insurance, $2,500.

DEATHS.

Robert Fish, hardware dealer, etc., Shubenacadie, N.S., is dead.

"JAP-A-LAC."

Watt & Co., Montreal, have lately been appointed Canadian agents for "Jap-a-lac," a new varnish and stain combined, for use on all woodwork, leather, or, in fact, any article where paints are generally used.

"Jap-a-lac" is a durable finish, and is guaranteed to stand the most extreme heat and cold without cracking, and, in washing over it, the hottest water will not injure it. It comes in all colors, and is put up in attractive cans of all sizes.

In taking over this agency, Watt & Co. have made arrangements whereby the dealers are sure of making a good profit, while, at the same time, selling a standard article.

TRADE CHAT.

THE VANCOUVER PROVINCE states that the difficulty of securing structural steel for buildings in Vancouver has been a drag on work all summer. Builders have had difficulty in getting what they wanted and merchants have become used to receiving notices that orders they are daily expecting to arrive cannot be filled for months to come.

The Ontario Glass Co., Kingsville, Ont., is seeking incorporation.

The Albionite Mining and Manfacturing Co., Montreal, are seeking incorporation.

The Cambridge Gold Mining Co. of Ontario, Limited, has been incorporated.

The Canada Cycle and Motor Co., Limited, Toronto, has been incorporated.

The Guelph, Ont., Mining and Development Co., Limited, has been incorporated.

The Cyclone Woven Wire Fence Co., Limited, Toronto, is applying for incorporation.

The Bunker Hill Gold Mining Co., Limited, Sherbrooke, Que., has applied for charter.

The Hunter Bridge and Boiler Co., of Kincardine, Ont., Limited, has been incorporated.

Cordwood is $15 to $17 per cord at Dawson, with a good demand, and prospect of a rise in price.

The Ophir Mines Development Company of Ontario, Limited, Toronto, has received its charter.

The Port Stanley Electric Street Railway Co., Limited, St. Thomas, Ont., has obtained its charter.

The Nova Scotia Hardware Co., Kentville, N.S., has declared a dividend of 10 per cent. on the dollar.

The North American Bent Chair Co., Limited, with headquarters in Owen Sound, Ont., has been incorporated.

The Pritchard's Harbor Copper Mining and Development Co., Limited, Rat Portage, Ont., has obtained its charter.

The Buffalo Consolidated Gold Mining Co., Limited, with headquarters at Niagara Falls, Ont., has been incorporated.

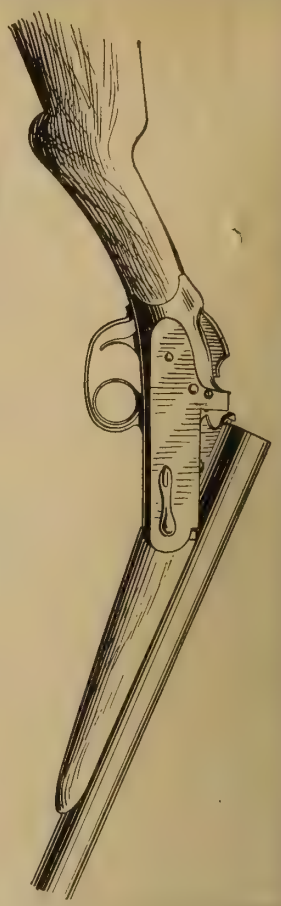
The director of the Ontario Mining Bureau, writing from Michipocoten, says the iron deposits on the range near Lake Wawa appear to be very valuable.

The peat works which have been established in Drummond township, near Perth, Ont., by C. A. Matheson, are making satisfactory progress. Three tons of peat were made in as many hours recently, and the product has been adjudged by Perth towspeople as of excellent quality for use either in grates or stoves.

Want a Gun?

— BUY AN —

IVER JOHNSON



The IVER JOHNSON

Ejector Single Gun.
New Principle.
No Top or Side Action.

Dealers who want good reliable single guns, to be sold at moderate prices, will find the new models of the Iver Johnson, Ejector and Top Snap, just the kind for their Fall business.

WRITE FOR PRICES.

Iver Johnson's Arms & Cycle Works

FITCHBURG, MASS.

IVER JOHNSON
Guns, Revolvers, and Bicycles
are Honest Goods at Honest Prices.

BRANCHES—
NEW YORK—99 Chambers St.
BOSTON—408 Washington St.
WORCESTER—304 Main St.

Gilbertson's Galvanized Sheets

PATENT **COMET** BRAND FLATTENED

are suitable for all kinds of Galvanized work demanding uniform quality; being made of superior Siemens Steel, they **will double seam** either way of grain, are smooth, soft, and well galvanized, every sheet being carefully selected; weight and count of sheets per case **fully equal** to the best known brands imported, **and cost less**.

GILBERTSON'S are the only galvanizers who not only **roll all their Steel Sheets,** but manufacture **all their own Steel in their own Steel Works,** thus enabling them to put a soft and regular quality of steel into their sheets, which is impossible for galvanizers who buy their steel **in the open market.**

TO BE HAD FROM ALL WHOLESALE JOBBERS.

Full particulars promptly furnished on application to

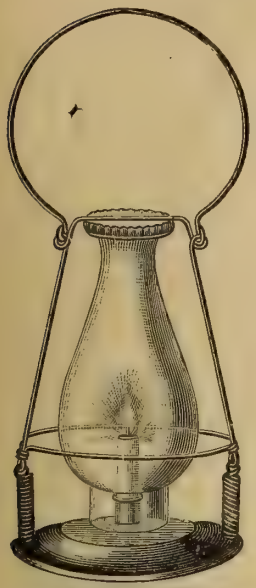
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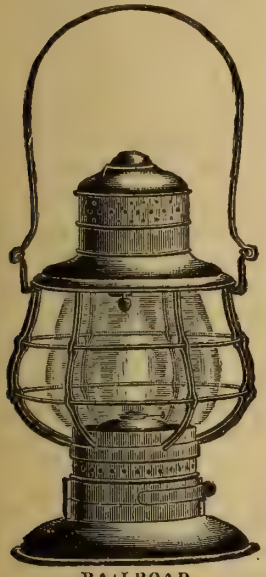
H. S. HOWLAND, SONS & CO.

37-39 Front St. West,
Only Wholesale. TORONTO.

LANTERNS



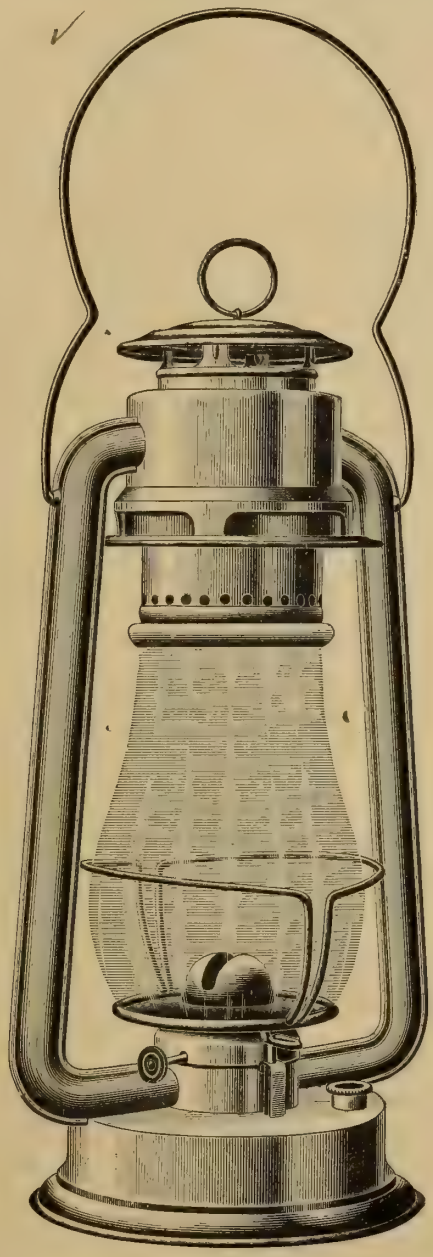
CANDLE LANTERN.
No Glass. With Glass.



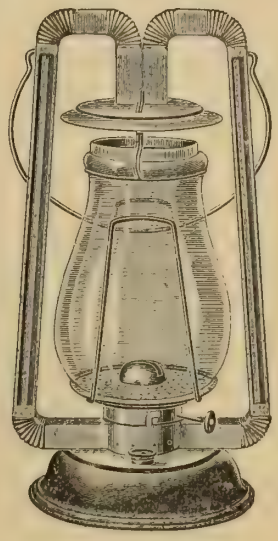
RAILROAD.
No. 39—⅝-in. Wick.
1-in. Wick.



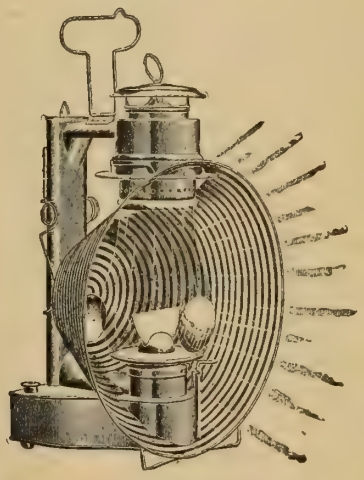
GEM.
Brass.—⅜-in. Wick.
Nickeled.—⅜-in. Wick.



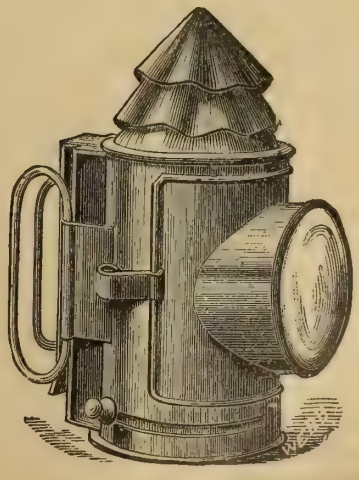
COLD BLAST.
No. 1.—⅝-in. Wick. **No. 2.**—1-in. Wick.
Brass Bottom.
No. 2.—1-in. Wick.



No. 1.—⅝-in. Wick.



SEARCH LIGHT.
No. 20.—Japanned.



POLICE LANTERN.
American, 2¾-in. Glass.
American, 3-in. Glass.

H. S. HOWLAND, SONS & Co.

TORONTO.

Our Prices are Right.

Graham Wire and Cut Nails are the best.

Orders Filled Promptly.

TRADE IN OTHER COUNTRIES THAN OUR OWN.

SCOTCH pig iron warrants declined 1s. 6d. yesterday in the Glasgow market, but were 20s. 8d. higher than on the corresponding day last year.

Tinplate prices in the Swansea, Wales, market have advanced 1½ to 3d. during the past week. Ordinary cokes were quoted at 15s. 1½d. to 15s. 3d. per 100-lb. box, f.o.b.

NEW YORK METAL MARKET.

PIG TIN—The market was very firm and had not only the support what seemed to have been virtually in the nature of forced buying in certain quarters on this side of the Atlantic, but higher prices by cable from London. In short, there was the reverse of the September "spill," as it may be termed, that some authorities have steadfastly clung to, in theory, as being surer to happen than profits were to materialize on short sales some time ago, when the London price was between £100 to £110. Yesterday the London market started off with an officially recorded advance to £149 15s. for prompt delivery, and there were few sellers in New York of store tin, at less than 33c., or of tin on vessels in port at a lower price than 32⅞c. Some business was done with the out-of-town trade at 33c. for prompt delivery, on close terms. The latest cables from London quoted spot unchanged, but futures, 3s. 9d. lower, with the record of business showing a total of no less than 1,240 tons, of which 1,020 were three months' futures. The late New York trading in large lots was at full prices, and up to 32.85c. was bid for either spot or near future delivery at the close. Sellers asked 33c. upwards. There was a bid of 32¾c. for first half October. Banca tin was sold at 33¼c. in a small way.

COPPER — The market was without distinctly new feature. Consumers are drawing upon supplies on hand or under contract to cover present wants, and exporters are placing unimportant orders at the moment. The mining companies are making no unusual efforts to quicken business through the inducement of modified prices, except perhaps in remote instances, but stock in second hands seemed very difficult to move except in a small way at prices on a level with those quoted by the leading producers. The range of quotations may be fairly given at 18⅜ to 18½c. for Lake Superior ingot; 17⅝ to 17¾c. for electrolytic bars, etc., and 17⅜ to 17½c. for prime casting stock.

PIG LEAD—Operations at the moment are mostly in moderate-sized lots for early delivery, and there was no inquiry that indicated any change on the part of consumers from the conservative policy that they have followed for some time past. Round lots were quoted at 4.60c., prompt or future delivery, and 4.62½ to 4.65c. was quoted for small parcels.

SPELTER—The market for this metal remains in a rather soft condition, the result of slow consumptive demand, light business with dealers and somewhat freer offering, the latter more or less speculatively bearish. Carlots on spot were quoted at 5.40 to 5.50c. for prime western, but offerings at as low as 5.30c. were made of the less popular brands. The London market for Silesian continues weak and was quoted 5s. lower yesterday.

ANTIMONY—Fair jobbing business in regulus is passing at 9¾ to 11c., according to quantity and brand.

TINPLATE—Business is almost wholly on the jobbing order at the moment, but prices are held firmly, in the absence of other than moderate offerings from any quarter or turn in the market for materials more favorable to manufacturers.

IRON AND STEEL—Buyers of pig iron in this vicinity are very conservative at the moment and, seemingly less susceptible to "bullish" influences than they have been of late. Producers and outside holders are, apparently, very firm, however, and openly make no concessions on the prices currently quoted.

Steel rails, as far as can be learned, are selling rather slowly, but bring full former prices.

Old iron and steel are held at highest prices that have been realized of late, but buyers' offers are considerably under, as a rule.—New York Journal of Commerce, September 28.

A FEELING OF WAIT.

There is a pronounced feeling of "wait" in existence and its influence is distinctly felt, though, of course, there can be no bad effects. The difference is simply that buyers are not now rushing into the breach and filling it up with money, as they did a month ago. They are prepared to wait, and the wait seems certain to run into next year. In fact, that seems to be the pupose of the wait. The situation is perfectly natural. The raw material production is sold up to July, 1900, at the highest price so far quoted. Manufacturers are thus prepared to meet whatever condition confronts them. They are in a sense indifferent about taking business for the early part of next year offered at present. Some are actually declining business now because they prefer to see what the new year will bring. Pig iron has been bought at prices varying from $19 to $23.75, Pittsburg, and at the worst next year's early business will be on that plane. But at present producers of finished iron and steel are satisfied to do some waiting, rather than to jump into next year even at the prevailing high figures.

The other feature of the situation is that buyers are also waiting with the same end in view. They know that prices on raw materials have been fixed for the first six months of 1900, and that considerable business has been contracted for. The inquiries and excited offers that flooded the manufacturers a couple of months ago are mainly absent now. Business is strong, of course, but there is not that overwhelming character about it that was the case so recently. New business is being held off to some extent, and will be held back for more settled conditions. That is the opinion expressed by manufacturers, who say they are to a large degree indifferent about tenders of new business for next year, and buyers seem to be holding exactly the same position. This change has called a halt in that mercurial movement in prices. — American Manufacturer, Pittsburg, September 21.

CANADIAN PRODUCTS WANTED.

The following are among the inquiries received at the Canadian Government Office in London during the week ending 15th September:

A large firm of general importers and buying agents are open to take charge of consignments of wood pulp, and are desirous of corresponding with Canadian producers.

Manufacturers of cemented strapping for machinery, Welsh and English roller skins, laces and other leather goods, ask for names of Canadian houses to whom they can submit prices and samples.

The sole agency for consignments of first-class Canadian butter and cheese is desired by a gentleman with good connection among large supply stores.

A commission agent in Antwerp is desirous of taking up the agency for a few first-class canning and preserving companies.

Any information that can be supplied will be forwarded by HARDWARE AND METAL to destination.

A despatch from Pittsburg states that James A. Chambers, president of the American Glass Co., is authority for the statement that a window glass combine has been finally effected in the United States. The new company will take in 50 of the largest concerns in the country, their aggregate capacity being about 2,000 pots. This is said to leave only about 600 pots outside the combination. The new company will bear the old name, "American Glass Co.," and will be capitalized at $17,000,000.

A FORTUNE IN GOOD MANNERS.

ONE cannot but feel that God is a lover of dress. He has put robes of beauty and glory upon all his works. Every flower is dressed in richness; every field blushes beneath a mantle of beauty; every star is veiled in brightness; every bird is clothed in the habiliments of the most exquisite taste.

Yet, some fanatics will tell you that beauty is a sin, and that the loveliness and gorgeousness of nature are a consequence of the fall of man in Eden.

Some people look upon polished manners as a kind of affectation. They claim admiration for plain, solid, square, rugged characters. As well say they like square, plain, unornamented houses made from square blocks of stone. St. Peter's is none the less strong and solid because of its elegant columns and the magnificent sweep of its arches, its carved and fretted marbles of matchless hues. Why do not such people wear their diamonds in the rough? Why not take them as we must step on the scales of each person's opinion, and the loss or gain from our last weight is carefully noted. Each asks, "Is this person going up or down? Through how many grades has he passed?" For example, young Brown enters the drawing-room. All present weigh him in their judgment, and say, "This young man is gaining; he is more careful, thoughtful, polite, considerate, straightforward, truthful, industrious." Beside him stands young Jones. It is evident that he is losing ground rapidly. He is careless, indifferent, rough, profane, obscene, does not look you in the eye, is mean, small, stingy, snaps at the servants, yet is over-polite to strangers. And so we go through life, tagged with these invisible labels by all who know us. I sometimes think it would be a great advantage if one could read these ratings of his associates. We cannot long deceive the world, for that other self, who ever stands in the shadow of ourselves holding the scales of justice, that telltale in the soul, rushes to the eye or into the manner and betrays us.

But manners, while they are the garb of the gentleman, do not constitute or finally determine his character. Mere politeness can never be a substitute for moral excellence, any more than the bark can take the place of the heart of the oak. It may well indicate the kind of wood below, but not always whether it be sound or decayed. Etiquette is but a substitute for good manners, and is often but their mere counterfeit.

Sincerity is the highest quality of good manners.

The following recipe is recommended to those who wish to acquire genuine good manners:

Of Unselfishness, three drachms;

Of the Tincture of Good Cheer, one ounce;

Of the Essence of Heart's-Ease, three drachms;

Of the Extract of the Rose of Sharon, four ounces;

Of the Oil of Charity, three drachms, and no scruples;

Of the Infusion of Common Sense and Tact, one ounce;

Of the Spirit of Love, two ounces;

The Mixture to be taken whenever there is the slightest symptom of selfishness, exclusiveness, meanness or I-am-better-than-you-ness.

Pattern after Him who gave the Golden Rule, and who was the first true gentleman that ever breathed.—Pushing to the Front.

NEW BRUNSWICK NOTES.

Messrs. W. F. Dibblee & Son, hardware merchants, Woodstock, N.B., are building a new addition to their premises which will be fitted up as general and private offices.

Trade must be on the increase in this locality as a large number of alterations are being made to several of the leading stores.

The nickel mines near St. Stephen, N.B., are looked forward to by the residents as a big boom to the border town. Just across is Calais, Maine. The parties interested are English capitalists, and, according to reports, the deeper they go down the richer is the ore, and a good showing is expected before long.

Woodstock, N.B., intends holding its annual fair this year during the coming week. For two years past it was deemed advisable to not have the show. But this year the residents and town council have gone into it again with renewed vigor and offer splendid inducements to northern New Brunswickers to participate. A good programme has been arranged to suit all comers, and they look forward to a good old-time show, providing the weather is favorable.

AN EVIL OF THE CREDIT SYSTEM.

One of the most annoying features of a credit business, when accounts are allowed to go beyond a safe point, is due to the practice of some debtors in transferring part of their patronage to another store, for fear that their account may grow still bigger and beyond their means to pay. These are the honest people, who mean to pay some time. A certain percentage of debtors, of course, will try to get out of paying anything.

But in the case of the honest debtors the creditor finds himself facing a situation in which his own leniency has forged a weapon to drive trade elsewhere, at least temporarily.

Verily, the only absolutely safe course is to sell only for cash.—N. Y. Merchants' Review.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY. MONTREAL.

Tenders for Telegraph Wire.

SEALED TENDERS addressed to the undersigned and endorsed "Tender for Telegraph Wire," will be received at this office until Thursday, the 5th October, 1899, for the supply of three hundred and thirty thousand pounds, or one hundred and sixty-five tons (of 2,000 pounds), of No. 8, S. W. G. Galvanized Iron Telegraph Wire (354 to 365 lbs. per mile), delivered in bond, at the C. P. R. station at Vancouver, B.C., within four weeks from the date of acceptance of tender.

The quality of the wire and galvanizing must be such as will afford a test corresponding to the Felten-Guilleaume standard EBB; having a constant (resistance x weight, per mile) under 5,700; breaking strain over 1,100 lbs.; and taking not less than 20 twists in six inches. Weight of lengths without joint 90 to 112 lbs.

Also for delivery with the above, 10,000 lbs., or five tons (of 2,000 lbs.), No. 9 soft annealed Galvanized Iron Tie Wire. The coils to be distinctively tagged.

Tenders to state the price per 100 lbs., all charges included, in bond at Vancouver as above.

Each tender to be accompanied by an accepted bank cheque, made payable to the order of the Hon. the Minister of Public Works, for an amount equal to ten per cent. of the bulk sum of the tender; this cheque will be forfeited if the party decline the contract or fail to execute the contract, and will be returned in case of non-acceptance of tender.

The Department does not bind itself to accept the lowest or any tender.

By order,
E. F. E. ROY,
Secretary.

Department of Public Works,
Ottawa, September 18th, 1899.

Newspapers inserting this advertisement without authority from the Department, will not be paid for it.
(39)

JAP-A-LAC

A VARNISH AND STAIN COMBINED

Best and most durable finish ever used on Floors. Makes old front doors look like new. Furniture renewed. Old carriages are given new life by a coat of black Jap-a-lac.

A PROFIT TO RETAILER.

Canadian Depot, A. WATT & CO.,
43 Sacrament St., MONTREAL.

MARKETS AND MARKET NOTES

QUEBEC MARKETS

MONTREAL, September 29, 1899.

HARDWARE.

WITH prices still upward, it is but natural to expect a good demand from buyers, and, for this reason the movement is steadily expanding. Barbed wire has not responded here to the advance across the line. Smooth steel wire is firm at the rise, with a fair inquiry, and galvanized wire is unchanged. Fine steel wire is firmly held, and fence staples, both bright and galvanized, have scored another advance. Wire nails still point upwards, and the fact leads to a fair demand. A moderate trade is noted in horse nails and horseshoes. Screws, bolts, and nuts supply a good, active trade, and there has been an advance on washers.

BARBED WIRE—The advance across the line has not been responded to here, the base price still being $3 f.o.b. factory, and $3.10 to $3.15 in a jobbing way. Business is not heavy, despite the firmer tendency of values.

SMOOTH STEEL WIRE — This is firm at the rise, $3.35 for Nos. 6 to 9, with a fair trade noted.

GALVANIZED WIRE — Prices are unchanged and the movement small. We quote: No. 9, $3.15; No. 12, $3.30; No. 13, $3.45; No. 15, $5.15, and No. 16, $5.30.

FINE STEEL WIRE—Prices are firm on the new basis, 12½ per cent.

BRASS AND COPPER WIRE—Unchanged discounts: 50 and 2½ per cent. on brass and 45 and 10 per cent. on copper.

FENCE STAPLES—There has been another advance in these of 20c. all around, galvanized being $4.15 and bright $3.55 base.

FINE STAPLES—Firm. Discounts are as follows: Cooper, 55; poultry netting, 45, and electrician, broom, bed, etc., 40 per cent. off.

CUT NAILS—Unchanged at $2.25 per keg f.o.b.

WIRE NAILS—There has been a fair demand for these since the rise, at $3.25 f.o.b. Montreal, with carlots at $3 17½ per keg. Miscellaneous nails, discount 72½ off list.

COPPER WIRE NAILS—Unchanged at 50 per cent. discount.

FLOUR BARREL NAILS — Quiet. Flour barrel 30 and coopers' nails 35 per cent. discount.

BOAT NAILS — Unchanged at 33⅓ discount on black and galvanized.

GALVANIZED ROOFING NAILS—Quiet, at 8c. per lb., with 15 per cent. discount.

PRESSED SPIKES — Discounts 30 per cent., and trade quiet.

HORSE NAILS—Business moderate but values firm at 50 per cent. discount on standard and 50 and 20 on Acadia.

HORSESHOES—Quiet but firm. We quote: Iron shoes, light and medium pattern, No. 2 and larger $3.50; No. 1 and smaller, $3.75; snow shoes, No. 2 and larger, $3.75; No. 1 and smaller, $4; X L steel shoes, new light pattern, No. 2 and larger, $3.90; No. 1 and smaller, $4.15; featherweight, all sizes, Nos. 0 to 4, $5.15; and oe weight steel shoes, all forward, al sizes $6.25 f.o.b. Montreal, St. John, N.B., and Halifax, N.S. Delivered f.o.b. in



One Size, No. 30.
Circumference of Wick, 10 inches.
Capacity of Oil-Tank, ¾ gallon.
Height over all, 32 inches.
List Price, each, $9.10.

HEAT WITHOUT LABOR

ALUMINUM
COAL
OIL
HEATER

FOR COAL OIL ONLY.

Every part made of Sheet Metal.
No Castings to Crack.

Produces a Round Flame

Of great heating power, **without smoke or smell.**

The top cover can be removed for the boiling of water, etc.

The planished steel body, with aluminized trimmings and nickelled urn, make it an ornament, and in keeping with the best furnished room or office.

During the Fall Nights

They save lighting the furnace or grates.

Base Burners Need Not be Put Up

Till winter sets in, and can be taken down earlier in spring when an "Aluminum" is used, making a **saving on the coal bill.**

On Extremely Cold Nights

They will assist your furnace, and can safely be used in a cellar or kitchen to **prevent the water pipes from freezing.**

For the heating of a bed-room, parlor, dining-room, office, barber shop, etc., they cannot be excelled.

For Prompt Shipment Order from McClary's. THE McCLARY MFG. CO., LONDON, TORONTO, MONTREAL, WINNIPEG, VANCOUVER.

So far, we have delivered galvanized iron to regular customers promptly; and shall.

If some of the rest have to wait, we are sorry.

Apollo Iron and Steel Company, Pittsburgh.

Cements { PORTLAND, ROMAN, KEENE'S

Bricks . . { FIRE, BUILDING, PAVING

Sand . . . { SILICA FIRE, MOULDING, BUILDING

F. HYDE & CO.
31 Wellington street, MONTREAL

English Castor Oil
GUARANTEED PURE.
Pharmaceutical, Tasteless, Cold Drawn
First Pressure
Second Pressure
In cases of 2 tins and in barrels. Stocked by all Hardware, Oil and Color men.
The Hull Oil Manufacturing Co.
LIMITED
B. & S.H. THOMPSON & CO.
Agents for Canada - MONTREAL

CANADA IRON FURNACE CO.,
Limited
Manufacturers of
CHARCOAL PIG IRON
MONTREAL.
BRAND "C.I.F." THREE RIVERS
PLANTS AT
Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.
Geo. E. Drummond,
Managing-Director and Treasurer

Toronto, Hamilton, London and Guelph 10c. per 100 lb. extra.

SCREWS — A good movement is noted. Discounts are: Flat head, bright, 80 and 5 per cent; round head do., 75 and 5; flat head, brass, 75 and 5; round head do., 67½ and 5.

BOLTS—Firm, with a fair demand. Discounts are: Carriage bolts, 5-16 and smaller, 55 per cent.; ⅜ and up, 50 per cent.; full square bolts, 65 per cent.; machine bolts, 55 per cent.; coach screw bolts, 67½ per cent., and sleighshoe bolts, 72½ per cent.

NUTS AND WASHERS — Washers have advanced 10 to 15 per cent. We quote: Square, 3¾c. and hexagon 4¼c. per lb. Washers in 50-lb. boxes are 35 to 40 per cent. discount.

CORDAGE — Firmly held, with a fair inquiry. We quote as follows: Manila 7-16 and up, 15c.; ⅜, 15½c., and ¼ and 5-16, 16½c. Sisal, 12½c. for 7-16 and up; 13c. for ⅜, and 14c. for ¼ and 5-16.

WRINGERS—Values steady at $48 to $60, with 45 off and business quiet.

BUILDING PAPER — As last reported. We quote: Plain building, 28c. tarred lining, 35c.; tarred roofing, $1.40, and carpet felt, $2.25.

RIVETS — No change reported. Discounts are: Black and tinned, 45 per cent.; ditto burrs, 40 per cent.; copper rivets and burrs, 35 per cent.

CEMENT—Steady, with a fair demand for carlots. We quote: Belgian, $1.90 to $2.10; English, $2.30 to $2.40, and German, $2.45 to $2.65, per cask ex wharf.

FIREBRICKS — Without feature at $17 to $23 per 1,000, as to brand.

METALS.

The firm disposition is fully maintained in all staple lines and further advances are recorded.

PIG IRON—The strong tone is maintained in pig iron, sales of No. 1 Summerlee and Calder being noted at $24 to $25.

BAR IRON—The base price has been advanced to $2.30, while carlots are obtainable at $2.25, but an advance on these figures is confidently predicted before the week is out.

BLACK SHEETS—Firmly held. We quote: 8 and 15, $2.60; 18 and 20, $2.30; 22 and 24, $2.50; 26, 2.60, and 28, $2.65.

STEEL—There has been a still further advance in steel, and we quote: Sleighshoe, $2.75; tire, $2.75; spring, $3; machinery, $3.60, and toe calk, $3.30.

GALVANIZED IRON —Very firmly held at $4.85 for case lots of No. 28, and $4.35 to $4.50 for No. 24.

INGOT COPPER—The easiness outside has not been reflected here, prices ruling steady at 19½c. to 20c.

INGOT TIN — Very firmly held at 36c.

IRON STEEL WIRE
Tinplates
Sheet Metals
Close prices for import
Ingot Tin, etc.
A. C. LESLIE & CO.
MONTREAL.

ADAM HOPE & CO.
30 JOHN STREET N.
Hamilton, Ont.
PIG TIN
175 TONS "STRAITS" AND "PENANG"
now landing at NEW YORK, per S.S. "Yangtsze" and "Indrapura."
PROMPT SHIPMENT.
Write or telegraph for quotations.

NOVA SCOTIA STEEL CO.
Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
Open Hearth Steel

BUSINESS NEWS
of any kind that is of value to business men supplied by our Bureau. We can give you market quotations from any town in Canada, reports from the city markets, stock quotations, etc. You can get commercial news from any Canadian paper through us.
Write us, giving us particulars of what you want and where you want it from, and we will quote you prices by return.
"Clippings from any Canadian paper on any subject."
The Canadian Press Clipping Bureau,
505 Board of Trade Bldg.
TELEPHONE Main 1255. ....MONTREAL

PIG LEAD—Strong in tone, with a good demand at $4.25.

LEAD PIPE —Unchanged. We quote: Ordinary, 7c., and composition waste, 7½c., with 20 per cent. discount.

IRON PIPE—Firm, as last noted. We quote: Black pipe, ⅛-inch, $3.41; ¼ and ⅜-inch, $3.30; ½-inch, $3.41; ¾-inch, $3.83; 1-inch, $5.51; 1¼-inch, $7.24; 1½-inch, $9.08 and 2-inch, $12.07 per 100 feet net. Galvanized, ¼ inch, $3.62; ⅜-inch, $4.18; ½-inch, $6.24; ¾-inch, $7.96; 1-inch, $11.24; 1¼-inch, $15.92; 1½-inch, $19.90; 2-inch, $25.97; 2½-inch, $33.93, and 3-inch, $46.76.

TINPLATES—Brisk business noted and prices firm. We quote: Coke, I.C., $4.40 charcoal, I. C., Allaway or Comet brands, $4.80; do. I. X., $5.05; Lincoln, $5; P. D. Crown, $5.30; do. I. X., $5.80; Bradley's, $6.25.

CANADA PLATES — Same remarks apply to these. We quote as follows: 52's, $2.60; 60's, $2.70; 75's, $2.80; full polished, $3.25; galvanized Canada plates, $4.55 for 52's.

TERNE PLATE—Firmly held at $7.50.

SWEDISH IRON—The base is firm at the rise, $3.50.

COIL CHAIN—Steady and fairly active. We quote: No. 6, 11c.; No. 5, 9½c.; No. 4, 8½c.; No. 3, 7½c.; ¼-inch, $6.25; 5-16, $5; ⅜, $4.50; 7-16, $4.35; ½, $4.25; 9-16, $4.20; ⅝, $4.10; ¾, $3.90; ⅞ and 1 inch, $3.80.

SHEET ZINC — Unchanged, at 7½ to 7¾c.

ANTIMONY—Firmly held at 11 to 12c.

SPELTER—Unchanged from last week at $6.50.

GLASS.

A fair movement is noted in window glass. We quote as follows: First break, $1.90; second, $2 for 50 feet; first break, 100 feet, $3.60; second, $3.80; third, $4.25; fourth, $4.50; fifth, $5; sixth, $5.50, and seventh, $6.

PAINTS AND OILS.

There is a fair movement of business in paints and oils, and prices generally are steady. Seal oil is stronger for steam refined, and prices are apt to go still higher. Turpentine is steady at the recent change, and there is a fair demand for linseed with prices firmly held. Demand is good for leads and supplies are limited, so that a general advance in the near future is highly probable. We quote:

WHITE LEAD—Best brands, Government standard, $6.00; No. 1, $5.62½; No. 2, $5.25; No. 3, $4.87½.

DRY WHITE LEAD—$4.75 in casks; kegs, $5.

RED LEAD—Firm; casks, $4.50; in kegs, $4.75.

WHITE ZINC PAINT—Pure, dry, 8c.; No. 1, 6½c.; in oil, pure, 9c.; No. 1, 7½c.

PUTTY —We quote: Bulk, $1.65; bladders, in bbls., $1.80; bladders, in cases, $1.95; in tins, $2.05 to $2.30.

LINSEED OIL — Raw, 57c.; boiled, 60c., five to nine-barrels, 1c. less, ten and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—Single barrels, 73c.; two to four barrels, 72c.; five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Firm; $1.10 to $1.30 per gallon.

CASTOR OIL—Firm; 7½ to 8c.

SEAL OIL—35c.

COD OIL—32½ to 35c.

NAVAL STORES—Fair demand for all lines, and prices show no change: Resins, $2.75 to $4.50, as to brand; coal tar, $3 to $3.50; cotton waste, 4½ to 5½c. for colored, and 6 to 7½c. for white; oakum, 5½ to 6½c., and cotton oakum, 9 to 11c.

PETROLEUM.

Prices have advanced ½c. all around. We quote: Crown Acme, the new Sarnia oil, 17½c.; Perfection and Silver Star, Canadian refined, 16½c.; and Pratt's astral, 21c., in small quantities.

HIDES.

Unchanged. We quote: Beef hides, 7½ to 9½c., as to grade. Lambskins, 50 to 55c.

COAL.

Active and steady. We quote as follows: Stove, $5.75; chestnut, $5.75; egg, $5.50; Scotch grate, $6; Scotch steam, $4 to $4.50; Tower ports steam, $3.50 to $3.75.

KEEP YOUR IDEAL BEFORE YOU.

Keep the ideal you hope to attain before you. It will inspire you to effort that by-and-by will give you that which you desire. No man ever gained his ideal by scattering his effort. Work with one end in view, keep character sound, as you will if you work for this end, and success will come. The centring effort compels success. Man moves toward his ideal more rapidly than he sometimes thinks. At any rate, he is moving in that direction. Here is a man who appears to have an advantage over someone of honest ambition. But if we look deeper we find that the man who possesses apparent advantage is deficient in character and there is a leak that will finally carry him down. The man of honest ambition will have his desire gratified, if he holds to his ideal. He is growing in character and the undercurrent of his life will prove to be a force that will carry him to a victorious triumph.—"Eli," in Commercial Bulletin.

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.

'WELLINGTON' KNIFE POLISH

JOHN OAKEY & SONS, LIMITED

MANUFACTURERS OF

Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.

Wellington Mills, London, England.

Agent:

JOHN FORMAN, 644 Craig Street

MONTREAL



COVERT MFG. CO.

West Troy, N.Y.

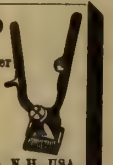
Steel Carriage and Wagon Jacks,

Harness Snaps, Chain, Rope and Web Goods, etc.

FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS





Largest Variety, Toilet, Hand, Electric Power

ARE THE BEST.

Highest Quality Grooming and Sheep-Shearing Machines.

WE MAKE THEM.

SEND FOR CATALOGUE TO

American Shearer Mfg. Co., Nashua, N.H., USA

COATES' CLIPPERS



HAND AND POWER, easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel, and will not heat. 1899 catalogue ready.



Coates Clipper Mfg. Co.

WORCESTER, MASS.



Pullman Sash Balance Co.

Makers of the

"Pullman" Hardware Specialties

Main Office and Works,

Rochester, N.Y., U.S.A.

On sale all round the globe.

Size, ⅜-inch.



Cheapest IN THE WORLD.

J. M. LITCHFIELD

458 Quincy St., Brooklyn, N.Y.

CHAMPION FRUIT EVAPORATOR

Dries all kinds of fruits and vegetables. Suitable for home or market use.

Also a perfect evaporator for use on the kitchen stove.

CATALOGUE FREE.

THE G. H. GRIMM MANUFACTURING CO.,

84 Wellington St., Montreal.

ONTARIO MARKETS.

TORONTO, September 29, 1899.

HARDWARE.

THE feature of the hardware trade is still the upward tendency of prices. To such an extent are these changes going on that the wholesalers report that they are experiencing difficulty in keeping track of them. Ash and hickory handles have all been marked up this week. Stoves, ranges, furnaces, registers and hollow ware have all been marked up 5 per cent. Stovepipe registers have advanced 25 per cent. English "tower" bolts have been increased by a like amount. No further change has been made in wire or wire nails, but the position is decidedly strong and higher prices are practically a foregone conclusion. The demand for wire nails has improved since last week's advance was reported. Cutlery is in active demand. Churns and wringers are going out fairly well.

BARBED WIRE — Prices are without change. The price is still $3.25 per 100 lb. for Canadian wire, but as there is no business being done that figure is purely nominal. The price in the United States is still $3.65 f.o.b. Pittsburg to the retail trade for less than carload lots, and 10c. less for carload.

SMOOTH STEEL WIRE — No new feature has developed during the past week. The volume of business is rather better than a week ago, in spite of the advance in prices. The base price is still $3.35 f.o.b. factory.

GALVANIZED WIRE — Business is quiet, with prices steady and unchanged. We quote as follows: Nos. 6, 7, 8 gauge, $3.60; No. 9, $3.10; No. 10, $3.70; No. 11, $3.75; No. 12, $3.20; No. 13, $3.45; No. 14, $4.10; No. 15, $4.70; No. 16, $4.85.

WIRE NAILS—The market is still strong as to price, and notwithstanding the advance of a week ago still higher figures are looked for. The demand is good and better than a week ago. The price Toronto is unchanged at $3.22½ per keg in carload lots and $3.30 for less quantities.

CUT NAILS—These are quiet and unchanged and devoid of any special feature. We quote: $2.25 per keg f.o.b. Toronto, Hamilton and London.

HORSE NAILS—A fairly good seasonable trade is still to be noted. We quote: Standard, oval head, 50 per cent.; Acadia countersunk head, 50 and 20 per cent.

HORSESHOES—Business keeps good, and prices are unchanged. We quote f.o.b. Toronto, Hamilton, London and Guelph as follows: No. 2 and larger, light, medium and heavy iron shoes, $3.60; snow shoes, $3.85; light steel shoes, $4.00; featherweight shoes, all sizes, $5.25. No. 1 and smaller, light, medium and heavy iron shoes, $3.85 per keg; iron snow shoes, $4.20; light steel shoes, $4.15; featherweight steel shoes, all sizes, $5.25.

Will you help us?

Our Factory has been running DAY and NIGHT for some time past. . . .

We don't want to keep customers waiting, and are doing our utmost to fill every order with satisfying promptness.

But you can oblige us considerably by giving orders as far in advance of the desired time of delivery as possible, and will thus insure a prompter fulfilment of the same than we could otherwise guarantee.

Timely notice as much beforehand as possible is all we ask, then no one need wait.

THE METALLIC ROOFING CO., Limited

1179 King St. W., TORONTO,

Wholesale Manufacturers of all kinds of reliable Fireproof Building Materials.

SCREWS —Business in this line continues active. We quote: Flat head bright, 80 and 5 per cent. off the list; round head bright, 75 and 5 per cent.; flat head brass, 75 and 5 per cent.; round head brass, 67½ and 5 per cent.; flat head bronze, 67½ and 5 per cent.; round head bronze, 62½ and 5 per cent.

BOLTS — An active trade continues to be the feature of this line. We quote: Norway bolts, full square, 65 per cent.; common carriage bolts, 5-16 and under, 55 per cent.; ditto, ⅜ and larger, 50 per cent.; ditto, full square, 65 per cent.; machine bolts, all sizes, 55 per cent.; coach screws, 67½ per cent.; sleighshoe bolts, 72½ per cent.; blank bolts, 55 per cent.; bolt ends, 62½ per cent.; nuts, square, 3¾c.; nuts, hexagon, 4¼c.; tapping nuts, 60 per cent.; tire bolts, 60 and 10 per cent.; stove bolts, 60 and 10 per cent.

ROPE—The local market is quiet and unchanged. In the outside market prices are steady, but business is dull. We quote as follows: Sisal, 7-16 in. and larger, 12½c. per lb.; ⅜ in., 13c.; ¼ and 5-16 in., 13½c. Manila, 7-16 in. and larger, 15c. per lb.; ⅜ in., 15½c.; ¼ and 5-16 in., 16c.; New Zealand, 11c. per lb.; Deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 10c. Clotheslines, 48 feet, 90c.; 60 feet, $1.20; 72 feet, $1.50; 100 feet, $2.

RIVETS AND BURRS—A satisfactory business continues to be done. We quote: Carriage section, wagon box, rivets, etc. (steel), 60 per cent. off the list; ditto (Norway iron), 60 per cent.; black M rivets (steel), 55 per cent.; ditto (Norway iron), 45 per cent.; iron burrs, 40 per cent.; copper rivets, 35 per cent.; bifurcated, with box, $1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

CHURNS—Quite a good business is being done in churns. Prices remain as before. We quote: Metal frame—No. 0, $3; No. 1, $3.20; No. 2, $3.40; No. 3, $3.75; No. 4, $4.50; No. 5, $5.90. The price of wooden frames is 15c. per churn less than the above. Terms, 3 per cent. off 30 days f.o.b. Toronto.

WRINGERS—Quite a few of these are going out. We quote as follows: "Leader," $60 per doz.; "Royal Canadian," $58; "Royal American," $48. Prices are all f. o. b. Toronto, Hamilton, Brockville, and Montreal. Discount, 45 per cent. Terms, four months, or 3 per cent. 30 days.

BUILDING PAPER—Business has improved a good deal during the past week or two, some good quantities now being shipped. We quote as follows: Plain building, 28c. per roll; tarred lining, 35c., according to quality; tarred roofing felt, $1.40 per 100 lb.; carpet felt, $2.25 per 100 lb.

WARE — The most interesting feature in this line is an advance of 5 per cent. in the price of hollow ware, the discount on which is now 45 and 5 per cent. The demand for both enameled ware and tinware is good.

STOVES, FURNACES, ETC.—The manufacturers of stoves, ranges, furnaces and registers announce that on and after October 2 prices will be advanced 5 per cent. The new discounts will be as follows: Stoves and ranges, 45 and 5 per cent.; furnaces,

John Bowman Hardware & Coal Co.,

LONDON, ONT.

Our Fall stock is now complete and we can supply at the best figures, **AXES, SAWS, LANTERNS, CORDAGE, CHAIN, WINDOW GLASS, PAINTS, OILS,** etc. Our importation of **CUTLERY, SKATES, ENGLISH GUNS, SHOT SHELLS, BLACK and SMOKELESS POWDER, SHOT, WADDING,** etc., now in.

Our Motto: Prompt Shipment, Right Prices.

40 and 5 per cent.; registers, 60 per cent.

FALL SPECIALTIES—The demand continues brisk for coal hods, elbows, lanterns, etc. Stovepipe registers are 25 per cent. dearer.

CUTLERY—The demand for cutlery is decidedly active, and jobbers are discovering that greater inroads are being made into their stocks than was expected there would be.

HANDLES—Prices are higher, and we quote as follows: Ash goods, second growth and extra, 30 per cent. off the list; all other grades, 40 per cent. Hickory goods, all lines and grades, 40 per cent.

CEMENT—The demand for granolithic paving shows that this work is being actively pushed by contractors in country towns. We quote in barrel lots: Canadian Portland, $2.65 to $2.90; English do., $3; Canadian hydraulic cements, $1 to $1.10; calcined plaster, $1.90; asbestos cement, $2.50 per bbl.

HINGES—Screw hook and hinge and light T and strap hinges are dearer. We quote per 100 lb.: Screw hook and hinge, 6 to 12 in., $4.50; ditto, 14 in. up, $3 50; light T and strap, discount 60 and 10 per cent.

METALS.

The metal market, with few exceptions, is firm and trade is on the whole good.

PIG IRON—The demand is still brisk and prices firm. Hamilton iron is worth $23 at the furnace.

BAR IRON—There has been a further advance in the price of bar iron, and the base price is now $2.35 to $2.45.

BLACK SHEETS—The demand is decidedly active, and quite a number of large lots are going out. We still quote 28 gauge at $3.25.

GALVANIZED IRON — Trade continues brisk, with the demand for large lots good. While stocks are still, on the whole, fair, they are being diminished much more rapidly than it was anticipated they would be. The ruling price for 28 gauge of English is $5 and for American $4.90.

COPPER—The outside markets have been a little easier. In London, England, on Wednesday, there was a decline of 5s. per ton. Locally, the demand is fairly good, with prices unchanged. We quote: Ingot copper, 20 to 21c. per lb., and sheet, 23 to 23½c. per lb.

PIG TIN—The demand is fair for small lots. Price is unchanged at 37c. per lb. Early official London cables on Wednesday quoted pig tin for prompt delivery at £149 15s. per ton. At corresponding date last year, the price was £74 5s. The advance in 12 months' time has thus been £75 10s. per ton in the London market.

CANADA PLATES — A good business is still to be noted in this line. All-bright is quoted at $3.25; half-polished at $2.85, and all dull at $2.75.

TINPLATES—Owing to advanced prices in England jobbers have raised the price of "crosses" 25c. per box basis, the advance on I.C. 14 x 20 and I.X. 14 x 20 now being $1 per box, other sizes proportionately.

TERNE PLATES—Quotations are 50c. to $1.25 higher, I.C. being quoted at $8.50, and I.X. at $10.50.

IRON PIPE—The demand continues good and prices firm. Quotations on black pipe are: ¼ to ⅜ inch, $3.60; ½ inch, $3.70; ¾ inch, $4.70; 1 inch, $5.90; 1¼ inch, $7.85; 1½ inch, $9.97; 2 inch, $13; 2½ to 6 inch, discount off the list 50 per cent. Galvanized pipe is quoted as follows: ¼ inch, $6.50; ¾ inch, $8; 1 inch, $11.50; 1¼ inch, $16; 1½ inch, $20; 2 inch, $28.50.

PIG LEAD—The market is a little easier. The demand is just moderate. We quote: 4¼ to 4½c. per lb.

LEAD PIPE—Business is fair. We quote: Ordinary pipe, 7c.; waste, 7½c. Discount, 20 per cent.

RANGE BOILERS—Business keeps fairly good. We quote: Galvanized, 30 gals., $9; 35 gal., $10; 40 gal., $11. Copper, 30 gal., $22; 35 gal., $26; 40 gal., $30; discount off copper boilers, 10 per cent.

SHEET ZINC—A good trade is still being done at 8 to 8¼c. per lb.

SPELTER—Trade is a great deal more active. Price are unchanged at 7½ to 7¾c. per lb.

SOLDER—There is a fair quantity moving. We quote: 21 to 22c. for half-and-half; 20½ to 21½c. for refined, and 20 to 20½c. for wiping.

PAINTS AND OILS.

There is a brisk demand for all materials, from all sections of the country. A strong feeling is manifested throughout. Linseed oil advanced 1c. late last week, and as manufacturers have again raised their prices, another advance of 1c. is likely to be made before the beginning of next week. The turpentine market is firm on an advance of 3c. this week. Red and white lead values are stiff. The price of varnishes has been raised on account of the advance in turpentine. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $6.12½; No. 1, $5.75; No. 2, $5.37½; No. 3, $5; No. 4, $4.62½; dry white lead in casks, $5.10.

RED LEAD—Genuine, in casks of 560 lb., $5.00; ditto, in kegs of 100 lb., $5.25 to $5.50; No. 1, in casks of 560 lb., $4.75; ditto, kegs of 100 lb., $5.

LITHARGE AND ORANGE MINERAL—Litharge, 6 to 6½c.; orange mineral, 7½ to 8½c.

WHITE ZINC—Genuine, French V.M., in casks, $7 to $7.25; Lehigh, in casks, $6.

PARIS WHITE—90c.

WHITING — 55c. per 100 lb.; Gilders whiting, 85c.

GUM SHELLAC—In cases, 20c.; in less than cases, 24c.

PLASTER PARIS — Ordinary, $1.75 per barrel; New Brunswick, $2 to $2.20 per barrel.

PUMICE STONE—Powdered, $2.50 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, $1.10 per gallon; No 1 quality, 90c. per gallon.

SEAL OIL—59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9c. per lb. and 10c. for single tins.

LINSEED OIL — Outside western points (freight allowed) : Raw, 1 to 4 barrels, 59c.; boiled, 1 to 4 barrels, 62c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE — Outside western points, freight allowed, 1 to 4 barrels, 78c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

There is a moderate but irregular delivery of import orders. A good business continues in stock business. Prices are firm. We quote window glass as follows : Star, first break in 50-foot boxes, $2.15, and in 100-foot boxes, $4; double diamond under 25 united inches, $6, Toronto. Hamilton and London; terms 4 months or 3 per cent. 30 days.

OLD MATERIAL.

Deliveries continue fair. The demand is brisk. Prices are unchanged, though an easier feeling is noted. We quote as follows : Agricultural scrap, 55c. per cwt. ; machinery cast, 60c. per cwt. ; stove cast scrap, 45c.; No 1 wrought scrap, 55c. per 100 lb.; new light scrap copper, 12½c. per lb.; bottoms, 11c. ; heavy copper, 15c.; light scrap brass, 7½c.; heavy yellow scrap brass, 10c.; heavy red scrap brass, 11c.; scrap lead, 2½c.; zinc, 3c ; scrap rubber, 4½c.; good country mixed rags, 65 to 75c.; clean dry bones, 45 to 50c. per 100 lb.

SEEDS.

The scarcity of alsike is keeping the demand for this seed quite brisk, and buyers are paying from $4 to $6 per bush., according to quality, at outside points, and even more than this for extra fine samples. A little timothy is still moving, dealers paying $1 to $1.25 for good to choice machine-threshed seed, and 25c. more for fancy samples.

HIDES, SKINS AND WOOL.

HIDES - Conditions are unchanged. A good demand keeps prices stiff. We quote: Cowhides, No. 1, 8½c. ; No. 2, 7½c.; No. 3, 6¼c. Steer hides are worth ½c. more. Cured hides are worth 9c.

SKINS—The price of sheep and lambskins continues to rise, the advance being 5c. We quote : No. 1 veal, 8-lb. and up, 9c. per lb.; No. 2, 7c.; dekins, from 30 to 35c.; culls, 15 to 20c. Sheep and lambskins are selling at 60c.

WOOL—A better feeling is noted. A fair demand from manufacturers is noted, but the general movement is light. We quote : clothing wool, 16c.; combing fleece, 14 to 14½c.; unwashed, 9 to 10c.

PETROLEUM.

Prices are well maintained at the advance of last week. The demand keeps brisk. We now quote as follows : Pratt's Astral, 18c. in bulk ($1 extra for barrels) ; American water white, 18c. in barrels ; Sarnia water white, 16½c. in barrels ; Sarnia prime white, 15½c. in barrels.

COAL.

The demand continues brisk. Prices are firm, but no change is looked for with October 1. We quote anthracite for September delivery at Buffalo and bridges : Egg, stove and nut $4.75 per gross ton, or $4.24 per net ton ; grate, $4.50 per gross ton or $4.01 per net ton.

MARKET NOTES.

Linseed oil is 1c. per gallon dearer.

Sheet zinc is quoted ¼c per lb. lower.

Terne plates have advanced 50c. to $1.25.

English tower bolts are 25 per cent. higher.

Bar iron has been advanced another 10c. per 100 lb.

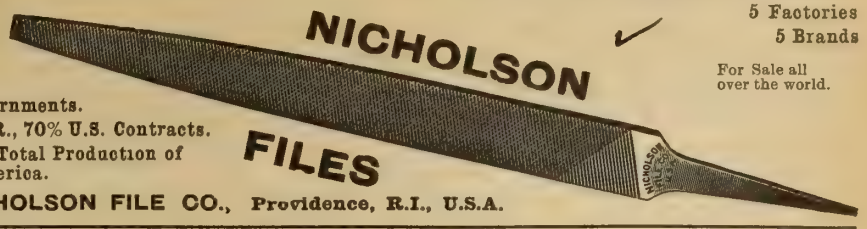
Screw hook and hinge and light T and strap hinges are higher.

Stoves, ranges, furnaces, registers and hollow ware are 5 per cent dearer.

The manufacturers of ash and hickory handles have advanced their prices.

Turpentine is 3c. per gallon higher at 77c. Toronto, and 78c. per gallon Western Ontario points.

76,800 Daily Production
5 Factories
5 Brands
For Sale all over the world.



16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of America.

NICHOLSON FILE CO., Providence, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited. Established 1773.

Manufacturers of **Polished, Silvered, Bevelled Chequered, and Rough Plate Glass.** Also of a durable, highly-polished material called "**MARBLETTE,**" suitable for Advertising Tablets, Signs, Facias, Direction Plates, Clock Faces, Mural Tablets, Tombstones, etc. This is supplied plain, embossed, or with incised gilt letters. **Benders, Embossers, Brilliant Cutters, etc., etc.** Estimates and Designs on application.

Works : Ravenhead, St. Helens, Lancashire. Agencies : 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow 12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address; "Glass, St. Helens." Telephone No. 68 St Helens.

PERSONAL MENTION.

Mr. L. Sapiery, manager of the Sryacuse Smelting Works, Syracuse, N.Y., was in Montreal for a few days this week and reports business in the United States extra good, with bright prospects for immediate future. Regarding the Canadian business, he expressed himself well satisfied. He has decided to allow the Canadian branch an extra discount on all orders.

J. F. Sherman, a well-known hardware clerk in Kingston, died suddenly on September 23, from heart failure. He was 38 years of age, and married. He has two brothers in Toronto.

DEPARTMENT OF RAILWAYS AND CANALS.

LAKE ST. FRANCIS.

Protection Wall along North Shore from McGee's Point to Wood's Creek.

NOTICE TO CONTRACTORS.

SEALED TENDERS, addressed to the undersigned, and endorsed "Tender for Protection Wall," will be received at this office until 16 o'clock on Monday, the 9th October, 1899.

Plans and specifications can be seen on and after the 27th of September, 1899, at the Office of the Superintending Engineer of the Quebec Canals, 1709 Notre Dame Street, Montreal, where forms of tender can be obtained.

In the case of firms there must be attached to the tender the actual signatures of the full name, the nature of the occupation and residence of each member of the same, and, further, an accepted bank cheque for the sum of $1,000 must accompany the tender. This accepted bank cheque must be endorsed over to the Minister of Railways and Canals, and will be forfeited if the party tendering declines entering into contract for the work at the rates and on the terms stated in the offer submitted.

The accepted bank cheques thus sent in will be returned to the respective parties whose tenders are not accepted.

The Department does not bind itself to accept the lowest or any tender.

By order,

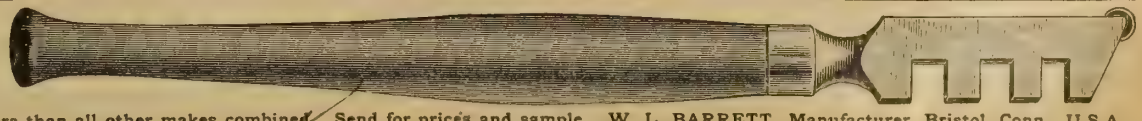
L. K. JONES,
Secretary.

Department of Railways and Canals,
Ottawa September 26, 1899.

Newspapers inserting this advertisement without authority from the department, will not be paid for it. (40)

Barrett's Glass Cutters Standard

Barrett's Practical Glass Cutters are the standard the world over.



Sold by more Hardware Dealers than all other makes combined. Send for prices and sample. W. L. BARRETT, Manufacturer, Bristol, Conn., U.S.A

MANITOBA MARKETS.

WINNIPEG, Sept. 26, 1899.

THE past week has been an active one in hardware of all hinds, and has witnessed an unusual number of changes in price, all in the line of sharp advances. The market is very firm, and further advances in many lines are looked for almost daily. Special activity is noticeable in building hardware. Steel chain (all sizes) has advanced 50c. Wire nails advanced twice during the week, and are now quoted at $3.80 base, with possibilities of still further advance. Bar and band iron have both advanced 15c. per 100 lb. Boiler tubes have advanced surprisingly; 2-inch tubes have advanced 2½c. per foot, and are now quoted at 16½c., while 2½ and 3-inch tubes have actually advanced 6c. per foot, being quoted respectively at 21½ and 23c. The discount on iron pipe has changed from 55 per cent. to 50; plain wire has also advanced 15c. per 100 lb.

The fact that there are 350 new houses in course of completion in Winnipeg, besides 17 large warehouses and banks, has led to a very active business in almost all kinds of furnaces. In the larger buildings hot-water heating and steam prevail, but in dwelling houses the larger number are putting in various styles of hot-air furnaces. There has also been a large sale of furnaces for houses being built for farmers throughout the country. The Manitoba farmer does not believe in letting his city brother enjoy all the comforts of life, and many of the new farm houses have good furnaces and also open grates in the principal rooms.

Turpentine is very scarce; in fact, there is practically a famine in Winnipeg, and, owing to the extremely high prices in the East, dealers appear afraid to place large orders.

The various bicycle establishments are beginning to wind up the business for the season and to inquire "where they are at." Wheeling is still in full swing, as at no season of the year have the roads outside the city been in such excellent condition. Wheelmen and wheelwomen all agree that a prairie trail in good condition is the road of all others for ideal wheeling.

Last Sunday one of the hotels in West Selkirk had to furnish dinner for no less than 85 cyclists who made the run of 25 miles from Winnipeg during the morning.

Mr. Hambly, who has represented the Remington wheel here for the past two seasons and who is well known in cycling circles, left on Saiurday to enter the Congregational home mission field in Ontario. Mr. Hambly is a graduate of McGill.

The price list, revised to date, is as follows:

Barbed wire, 100 lb	$3 75
Plain twist	3 75
Staples	4 25
Oiled annealed wire, 10	3 72
" 11	3 79
" 12	3 85
" 13	4 00
" 14	4 12
" 15	4 20
Wire nails, 30 to 60 dy, keg	3 80
" 16 and 20	3 85
" 10	3 90
" 8	3 95
" 6	4 10
" 4	4 15
" 3	4 20
Cut nails, 30 to 60 dy.	2 75
" 20 to 40	2 80
" 10 to 16	2 85
" 8	2 90
" 6	2 95
" 4	3 25
" 3	3 50
" 3 fine	3 80
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to N 10	4 25
No. 2 and larger	4 00
Snow shoes, No. 0 to No. 1	4 70
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 70
No. 2 and larger	4 45
Extra light	4 65
Bar and band iron, $2.80 basis.	
Swedish iron, $5 basis.	
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 12 gauge, 100 lb.	3 25
14 to 26 gauge	3 50
28 gauge	3 75
Galvanized American, 16 gauge	4 25
18 to 22 gauge	4 50
24 gauge	4 75
26 gauge	5 00
28 gauge	5 25
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 55
26 gauge	8 80
28 gauge	8 00
Tinplate, IC charcoal, 20 x 28, box	10 50
" IX "	12 50
" IXX "	14 50
Ingot tin	38
Canada plate, 18 x 21 and 18 x 24	3 35
Sheet zinc, cask lots, 100 lb	9 00
Broken lots	9 50
Pig lead, 100 lb	4 50
Wrought pipe, black up to 2 inch	50 p.c.
" Over 2 inch	50 p.c.
Rope, sisal, 7-16 and larger	12 50
" ⅜	13 00
" ¼ and 5-16	13 50
Manila, 7-16 and larger	15 00
" ⅜	15 50
" ¼ and 5-16	16 00
Solder	22
Cotton rope, all sizes, lb.	15
Axes, per box	$6.00 to 8 00
Screws, flat head, iron, bright..75, 10 and	7½ p.c.
Round " "	70 and 10 p.c.
Flat " brass	70 and 10 p.c.
Round " "	65 p.c.
Bolts, carriage 5-16 and smaller	47½ p.c.
⅜ and larger	42½ p.c.
Machine	47½ p.c.
Tire	50 and 10 p.c.
Sleigh shoe	65 p.c.
Rivets, iron	37½ p.c.
Copper, No. 8, lb	33⅓ c.
Spades and shovels	40 p.c.
Harvest tools	60 p.c.
Axe handles, turned, s. g. hickory, doz	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 65
No. 1	1 25
Linseed oil, raw, per gal	61
" boiled "	64
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	40 p.c.
C.F. pistol	10 p.c.
C.F. military	Net.
Loaded shells, Robin Hood, M	$20 00
Eley's soft, 12 gauge	15 00
chilled, 12 guage	16 50
soft, 10 guage	20 00
chilled, 10 guage	21 00
American, M	16 25
Shot, Ordinary, per 100 lb	5 25
Chilled	6 00
Powder, F.F., keg	4 75
F.F.G.	5 00
Robin Hood	10 00
Tinware, pressed, retinned	70 and 2½ p.c.
" " plain	70 and 15 p.c.
Graniteware, according to quality	60 p.c.
Turpentine, by barrel	83c.
Less than barrel	88c.

ACCIDENT IN A ROLLING MILL.

On the morning of Friday, September 15, what might have been a very serious accident occurred in the wire mill department of The Montreal Rolling Mills Co., Montreal.

Shortly after the large engine which runs this department started up, the workmen were startled by a loud jarring sound, followed by a crashing noise, accompanied by flying bricks and escaping live steam. It was all over in an instant, and, when the atmosphere cleared, the workmen saw what a narrow escape they had had. The large fly-wheel, 18 feet in diameter, and weighing 20 tons, had broken, coming through the two end walls of the engine-room.

But for the large steel girder, which runs the full width of the building, including boiler-house, there is no doubt results would have been more serious. This girder was bent almost at right angles, but it prevented the fly-wheel from getting into the pickling-room, where a large number of men were at work.

A gang of men started at once to clear up the debris, and found that the only damage done by the fly-wheel, which was broken in half a dozen pieces, was to the gearing and the shaft of the engine.

It is understood the makers of the engine have agreed to work night and day to get the damage repaired.

The company temporarily withdrew from the wire market, but very shortly will be in a position to take care of all business that may be entrusted to them.

IRON VS. WOOD.

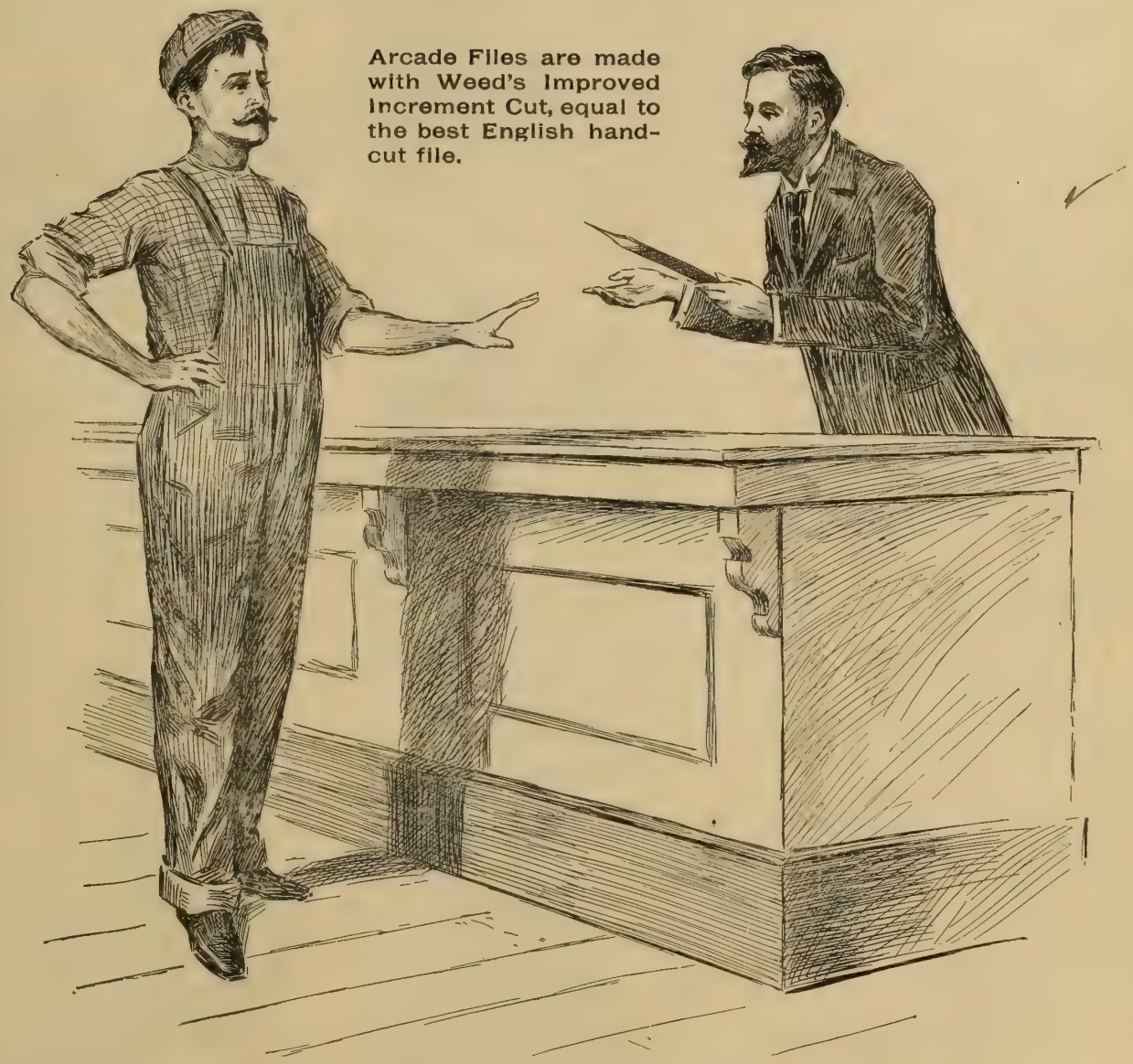
A test of the comparative merits of an iron door and of a wooden door sheathed with tinplate in stopping the spread of fire through an opening, was recently made by the British Fire-prevention Committee, according to an exchange. Both doors were obtained on the open market, but, whilst the iron door was hung in a rebated frame, the sheathed door, as fixed by its maker, was hung to fit closely to the face of the wall, with a 3-inch overlap around the opening. The doors were exposed for one hour to a fierce fire, the temperature attained being 2,000 deg. Fahr., which was followed by the application for five minutes of a stream of water. Both doors remained in position, but were buckled and warped. The first spurt of flame passed the sheathed door five minutes after the commencement of the experiment, whilst with the iron door the flame was kept back four times as long.

The WORLD'S GREATEST FILE WORKS

ESTABLISHED 1842.

There is no other file "just as good."

THE ARCADE IS THE BEST



Arcade Files are made with Weed's Improved Increment Cut, equal to the best English hand-cut file.

"I want an ARCADE file."
"We are all out of ARCADE files. Try this; it is just as good."
"No, Sir. I want the ARCADE. It cuts faster and wears longer than any other file made."

THE ARCADE FILE WORKS

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97 Chambers St.
SAMUEL W. ALLERTON,
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Works: ANDERSON, IND.
COURTLANDT C. CLARKE,
Sec. and Treas.

CHICAGO:
118 Lake Street.
ALFRED WEED,
Vice-President and Gen'l Mgr.

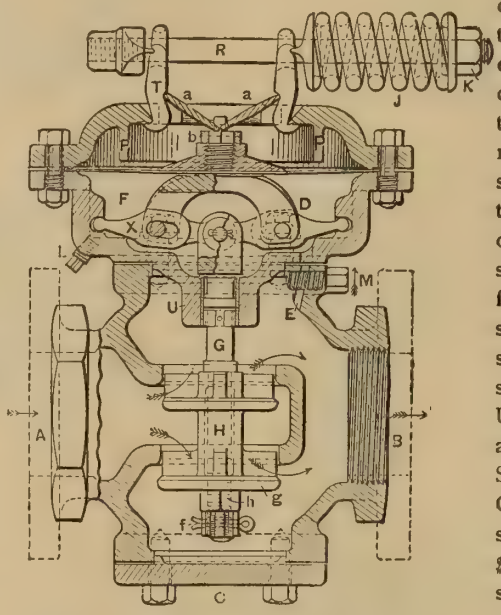
HEATING AND PLUMBING

A MASTER AND MAN'S DIFFICULTY IN ENGLAND.

THE PLUMBERS' REVIEW, England, recently had the following: "The Oldham branch of the Operative Plumbers' Society, whose headquarters are in Glasgow, some four months since sent in notice for a revision of the local rules to the Oldham Master Plumbers' Association. Among the alterations required was an advance of wages from 8½ pence to 9 pence per hour, pointing out it had been conceded in neighboring towns, and was being paid in other branches of the building trade. On the expiration of the notice the employers' committee submitted a counter code of rules, in which they sought to reduce the weekly hours from 46½ to 39 during the winter months. The men suggested a compromise on this question by proposing to work 46½ hours per week during November and February, and 44 during December and January. Another subject of contention related to walking time. According to the old rule, a man had to be at the workshop at the starting time, and the employers now want the men to be on the job at the hour fixed for starting, providing it is not more than three miles from the workshop. The men have made a concession in this respect by proposing to walk a mile distance in their own time, which, they state, is an agreement which prevails in other branches of the building trade. Another objection by the employers was to the apprentice rule, which stipulated that there should not be more than one apprentice to every two men, and not more than four in any one workshop. The employers asked that at least one of their sons should be allowed to work without being counted as an apprentice, and the operatives' society have agreed to that proposal. The masters' society proposed to refer the points in dispute to arbitration, but the local society state that the matter was out of their hands, being in the control of the executive committee at Glasgow, and that the clause referring to arbitration expired with the old rules. It was decided to refer the issue to a board of conciliation, comprising three local master plumbers and three operatives, with two members from the general executive of each society.

"A conference took place on August 10, at the Victoria hotel, Manchester. The representatives present comprised three members of the Oldham Master Plumbers' Association, and two from the National Building Trades' Federation, and, on the other side, two representatives from the men's executive and three from the local society. The chief point on which the parties joined issue was in regard to the time when the advance from 8½d. to 9d. per hour should take place, the employers' representatives fixing it for November 1 next. The men's representatives, stating that the advance was already being paid to more than half their members in the borough, refused to accept the date suggested, and the meeting broke up without anything definite being transacted. Later on in the month the employers imported a number of free labor men.

"Considering that 8½d. to 9d. an hour is at the rate of about 17 to 18c. an hour, a plumber's wages in England does not present much opportunity to purchase the traditional 'plumbers' diamonds.'"



Foster Reducing Valve.

THE FOSTER REDUCING VALVE.

The Fairbanks Co. have taken the agency for the Foster Engineering Co., of Newark, N.J., manufacturers of pressure regulators, reducing valves, pump governors, speed governors, etc., and Mr. H. C. Foster, jr., has taken a position with The Fairbanks Co., with the idea of paying particular attention to these goods, whilst at the same time looking after their general interests.

The Foster Manufacturing Co.'s goods have for several years had a ready sale in Canada, but their aim is to bring them more generally into use. One of their main specialties is the Foster reducing valve, a cut of which is herewith given. Its main features are, (1) a compensating spring movement exerting a uniform power without regard to the opening valve; (2) full steam way through the valve; (3) great simplicity of construction and operation; (4) no friction of parts; (5) no small ports to become clogged; (6) no dash pot; (7) noiseless, no chattering. It has also several other features, all of which make it one of the best valves in use to-day.

TORONTO BUILDING PERMITS.

Building permits have been issued in Toronto to The Toronto General Trusts Co. for alterations to their office building at the corner of Yonge and Colborne streets, to cost $11,000; to C. W. Westwood, for a two-storey and attic brick and stone residence near Huron street on Wilcox street, to cost $5,000; to Thomas McIlwain, for a two-storey attic and stone semi-detached residence near Spencer avenue on King street, to cost $4,500; to S. Wright, for a two-storey and attic brick and stone residence on Brunswick avenue near Ulster street, to cost $4,300; to A. W. McDougald, for a five-storey pressed brick and Bedford stone residential apartment building on the south-west corner of St. George and Harbord streets, to cost $100,000; to John F. Urquhart, for a two storey and attic brick and stone residence on Huxley street near Spencer avenue, to cost $14,000; to Mrs. C. A. Munn, for a three-storey brick and stone dwelling at 800 Yonge street, to cost $1,700; to Chas. N. Candee, for a two-storey and attic brick and stone residence on Park road near Crescent road, to cost $4,800; to J. Sleen, for a two-storey brick store at the corner of Major and Bloor streets, to cost $2,500; to Alex. Manning, for a five-storey brick and stone office building at the north-west corner of Queen and Terauley streets, to cost $100,000.

PLUMBING AND HEATING NOTES.

The Canada Electric Light Co., Limited, Amherst, N.S., has suffered about $500 loss by fire; insured.

The Citizens' Natural Gas Company of Dunnville, Ont., Limited, has been incorporated.

At a meeting in Toronto of plough manufacturers, said to represent 90 per cent. of the manufacturers in the Dominion, it was decided to raise prices to cover the increased cost of raw material.

SEND for specimen copy of Phillips' Monthly Machinery Register, containing over 5,000 entries of new and second-hand machinery of every description. The oldest established and most successful medium in the world. Established 25 years for the purpose of introducing those who have machinery for sale, to those who wish to buy, has a circulation of about 50,000 copies per annum, all over the world, and is used for continual reference by a large number of firms. It is consequently a most valuable advertising medium for all engineers and manufacturers. Subscription, 6s. per annum, price per copy, 6d. Sole Proprietor, CHAS. D. PHILLIPS, M.I.M.E., Newport, Mon., England. Telegraphic address: "Machinery, Newport, Mon."

The Syracuse Smelting Works

ARE MANUFACTURERS OF

Plumbers' and Tinsmiths' Solder

of highest quality. Highest market prices paid for old Brass and Copper.

SYRACUSE SMELTING WORKS

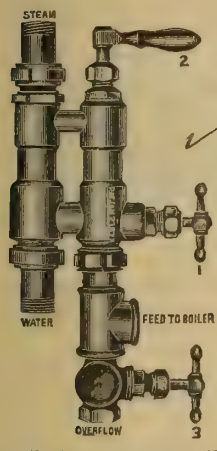
MONTREAL.

McLaskill, Dougall & Co.

Fine Varnish & Japan Manufacturers

Montreal

Price List on application



THE

HANCOCK INSPIRATOR

This old established machine is proving itself universally the best Boiler Feeder for all uses.

Over 2,000,000 Sold.

Is a double tube machine. Has stronger working power than single tube machines.

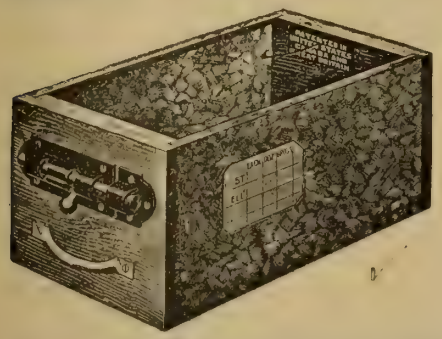
The genuine manufactured only by

THE

James Morrison Brass Mfg. Co., Limited,

TORONTO.

BENNETT'S PATENT SHELF BOX.



The best on the market, take up least room, are light, strong, and unbreakable. Thousands in use in United States, where they are known as Heller's Steel Shelf Box. Write for list and prices to the patentee and manufacturer,

J. S. Bennett, 20 Sheridan Ave., Toronto.

N.B.—Will be made to fit your present shelving.



FIBRE ELECTRIC

No. 98.

This is the second season this Oil Heater has been upon the market. It met with unusual success last season, and is, without a doubt, one of the handsomest Oil Heaters offered.

BRIEFLY DESCRIBED.

The **Base** is made from **Indurated Fibre,** which takes an elegant finish, is **light, tough,** and will **spring** and **bend** without breaking. The **Jacket** is **polished brass,** and the **Jacket Ring, Main** and **Urn Tops** are stamped **sheet steel,** highly polished and nickel plated.

The **Tank** and **Burner** is constructed entirely of **brass,** and can be **readily removed** from the stove for Trimming the wick, cleaning, filling, etc. The **Wick Raiser** is strong and positive in its action and cannot get out of order.

This Heater will operate positively **without smoke or odor,** as our burner is so adjusted that the flame **will not run up,** and should the wick be turned so high as to cause it to smoke, the flame will immediately recede to the proper point of combustion.

Water Reservoir in the Burner; the evaporation of the water creating a mild and healthful atmosphere in the room.

Ten-inch Circular Wick. Heating capacity, 1,500 to 2,000 cubic feet in cold weather. Height of stove, 38 in. Diameter of Base, 18 in. Weight, crated, 20 lbs.

A WINNER. Handsome Base. Deep Red Color.

THE COPP BROTHERS CO., Limited, HAMILTON

HARRINGTON & RICHARDSON ARMS CO.

WORCESTER, MASS., U. S. A.



Makers of

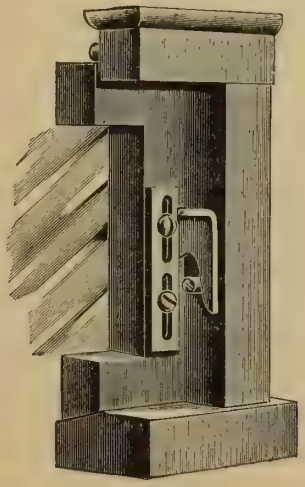
High Grade REVOLVERS

SEND FOR COMPLETE CATALOGUE.

For sale by Sporting Goods and Hardware Stores almost everywhere.

Moore's Patent Improved Wrought Steel Storm-Window Fastener.

Patented in United States and Canada.



Inside Fastener.

THE only perfect Storm-Window Fastener yet invented. Over half a million sets now in use in the United States and Canada. Put up in one dozen sets; four in a set. Packed with screws and directions. Large working model furnished with all orders of half a gross or over.

$1.75 a dozen.

One gross sets in a case, $15.00 per gross.

SOLD TO THE TRADE.

Manufactured by

C. R. MOORE, Stanstead Junction, P.Q.

For Sale by

RICE LEWIS & SON, Wholesale Hardware, Toronto, Ont.
WOOD, VALLANCE & CO., Hamilton, Ont. T. D. LEWIS & CO., St. James St., Montreal.
J. S. MITCHELL & CO., Wellington St., Sherbrooke.

Toronto Foundry Co.

Manufacturers of SOIL PIPE, FITTINGS, SINKS, BOILER STANDS.

Nos. 146-148-150 Niagara Street, TORONTO

The only Exclusive Manufacturers of Soil Pipe and Soil Pipe Fittings in Canada. . . . . .

All goods stamped T. F. Co. are warranted.

THE TURPENTINE SITUATION.

THE reason for the high prices which have ruled in the turpentine market this season are explained by The Savannah Daily News to be the frost, which badly injured many pine trees in the turpentine district last February, and the unusually large sales by operators of futures for May-August delivery, aggregating, it has been estimated, fully 100,000 casks. Then a fear developed when the effects of the frost became apparent that conditions would prove really worse than they have shown themselves to be. This combination of circumstances has never been known before and may not occur again in a century, so the present season will not likely be of any value as a guide for the future.

All last season prices ruled high. From September to October steady advances brought the prices in Savannah to 35½c., then to 37c. in November, and to 44c. in December, the highest price in ten years. The figures were maintained throughout January and February, and were followed by an advance of 1c. in March.

The present season opened in Savannah with the trade in serious doubt as to the damage reported to the pine trees in the spring, for these trees had never been known to suffer from frost before. The fact that the previous crop had been probably the largest ever known, that it had been readily absorbed and the possibility that the supply would be decreased this year led to larger offers for future contracts than had ever been made before. A few sales were made at 26½c. for May-August delivery, but the market soon advanced to 32c. A fair average price of the 100,000 casks contracted for would be 30c. The prices ruling in past years for May-August have been: 1898 9, 23½ to 27¾c.; 1897-8, 24 to 27¼c.; 1896 7, 22 to 25⅛c.; 1895 6, 25 to 27½c.; 1894-5, 26½ to 29½c.; 1893 4, 23 to 27¾c. It will be seen that all contract deliveries during the summer this year have been from 2 to 8c. dearer than the prices of former years. The price which the remainder of the crop has been selling at during these months, from 35 to 46½c., is, therefore, abnormal.

The end of August has brought deliveries on contracts practically to an end. For September the sales of futures aggregate hardly ouer 2,000 casks. With all the receipts coming on the market, a decline in values was natural. The break, though, has been comparatively insignificant up to date, when values are compared with those of former years. The consumption since the first of April has not been equal to that of last year by probably 40,000 casks, so, if the consuming trade is under any necessity to fill this vaccum, either wholly or largely, there is good reason for the belief that values for the remainder of the year, or until next April, will continue over 40c. per gallon at Savannah. There is still about 40 per cent. of the crop to be marketed.

The prices that have ruled in Savannah for the past year are given below:

Months.	1898-9. High.	1898-9. Low.	1897-8. High.	1897-8. Low.
September	29½	27½	30½	27½
October	35½	28½	32½	29
November	37	33¾	30½	28½
December	44	36½	31	30¾
January	44	39	32½	32
February	44	42	34½	32
March	45	38	30	27½
April	42	38	30	25
May	41	38	28	26
June	38	35	26½	23½
July	42	36½	26	26½
August	49½	42	27½	26

These figures give an excellent idea of the unusual high range of values this year, as the season 1897-8 was an ordinary one, when prices ruled as high as usual.

HUNTING FOR LUMBERMEN.

For the first time in a number of years shantymen are at a premium, and a sufficient number cannot be obtained to properly carry on the lumbering operations in the north woods this winter. Agents of the different lumber firms are patrolling the Ottawa valley, going through all places, looking vainly for men. Telegrams and letters have been sent to places in the lower Provinces asking for men to come and be hired, and although a few have responded the demand is still far in excess of the supply. In consequence of the scarcity of laborers, wages are away up, and are still rising. Men who have never had any experience in the lumber woods can this year command a larger wage than was paid last year to experienced log and timbermakers. The cause of this state of affairs in the lumbering industry is that other branches of business have been improving of late, and, as a consequence, have taken all spare laboring men. It is estimated by lumber experts that unless sufficient men can be had in the near future to go to the woods, the cut will be several millions of feet less than was expected earlier in the sason, owing solely to the fact that there are no men to cut down the trees.—Exchange, Merrickville, N.S.

"YANKEE" RATCHET DRIVER NO. 15.

The North Bros. Manufacturing Co., Philadelphia, Pa., are putting on the market a modification of their No. 10 "Yankee" ratchet screwdriver. This is made to meet a demand for a light blade screwdriver for small screws in electric work, etc. It has on its blade a knurled washer, as shown in the accompanying cut, and by means of this to turn the blade with a finger and the thumb. This permits the hand holding the handle to press steadily against the screw and prevent the screw from wobbling, while the thumb and finger can turn or ratchet the blade until the screw is well started in its place, when it is driven home by the hand on the handle. In taking out a screw, it is started by turning blade by handle until loose, and then run out by thumb and finger operating knurled washer. In this way the work is accomplished much more easily and rapidly.

The adjustment for right or left hand is same as in the No. 10 driver. For right hand or to ratchet a screw in, push the slide to end of slot towards bit; for left hand or to ratchet a screw out, push the slide towards the handle of driver. If the slide is placed midway between ends of slot, the blade is



held rigidly and the driver can be used as an ordinary screwdriver with fixed blade, and in all cases either with hand or thumb and finger.

The materials and workmanship are of superior quality in every detail, and all tools are guaranteed.

This driver is made in four sizes, two, three, four and five inches. In all sizes the blade is of the same diameter, 7-32 inches. Net prices can be had on application.

A SLIGHT MISUNDERSTANDING.

"Smithkin," said the employer, "you may take a month off."

"Oh, sir," replied the clerk as soon as he could command his voice, "it is so good of you to suggest it! I have felt the need of a rest for some time, but have hesitated to ask for it, knowing how busy we are. But it will do me no end of good, and I thank you most heartily for your consideration."

"Smithkin," said the employer, "are you crazy?"

"Why, no, sir. Didn't you say I might take a month off?"

"Certainly that is what I said. This is the first of the month, while last month's calendar remains over your desk. Take last month off and keep up-to-date. That's what I meant."—Exchange.

THE SPICE OF BUSINESS LIFE.

Says the Man in the Corner: "I have at various times had occasion to note the commercial value of a friendly spirit in trade and I have become more and more impressed with the idea of its increasing importance in the changing conditions under which business is conducted. Time was when the financial risk was the main thing that the credit man had to consider, but, in the time that is, the moral risk has come to have an equal if not a greater importance and with it the value of a personal acquaintance has grown.

"The world is smaller than it used to be, and we are all thrown into more intimate relations with each other than in the olden days when the Western Reserve was further away than Honolulu is to-day. The traveling salesman trading in good-fellowship as a side line, magnifying his house when out and his customers' good qualities when in, has had his effect in heightening the value of a good personal impression. And out of it all is growing a prevalent feeling of frank good-will, a kindly tolerance when differences arise and a sense of mutual personal obligation that cannot but be healthful in its results.

"Business is not all a matter of barter. There is more that goes out to a customer at each transaction than the goods and invoice, and more is received from him than the orders and payment; and this incorporal reasoning of personality that permeates trade is what gives to it its savor and lifts it above the drudgery of mere money grubbing."

A FORMULA FOR WHITEWASH.

A German paper publishes a formula for a wash which can be applied to lime walls and afterwards become waterproof so as to bear washing. Resenchek, of Munich, mixes together the powder from three parts of silicious rock (quartz), three parts broken marble and sandstone, also two parts of burnt porcelain clay, with two parts freshly slacked lime, still warm. In this way a wash is made which forms a silicate if often wetted, and becomes, after a time, almost like stone. The four constituents mixed together give the ground color, to which any pigment that can be used with lime is added. It is applied quite thickly to the wall, or other surface, let dry one day, and the next day frequently cover with water, which makes it waterproof. This wash can be cleansed with water without losing any of its color, on the contrary, each time it gets harder, so that it can even be brushed, while its porosity makes it look soft. The wash or calcimine can be used for ordinary purposes, as well as for the finest painting. A so-called fresco surface can be prepared with it in the dry way.

We Want Your Axe Order

FOR FALL SHIPMENT.

Kindly hold it till our representatives call on you.

James Warnock & Co., - Galt, Ont.

COW TIES

Greening's Patent

We make the following:

Open Ring, six sizes.
Small Closed Ring, six sizes.
Large Closed Ring, six sizes.
Three Chain, six sizes.
Greening's Special Tie with Stall Fixtures, five sizes.

Our ties have stood the test for years and are undoubtedly the best in the market. Send for new price list. For sale by all jobbers.

The B. GREENING WIRE CO., Limited

HAMILTON and MONTREAL.



Geo. D. Wood & Co.

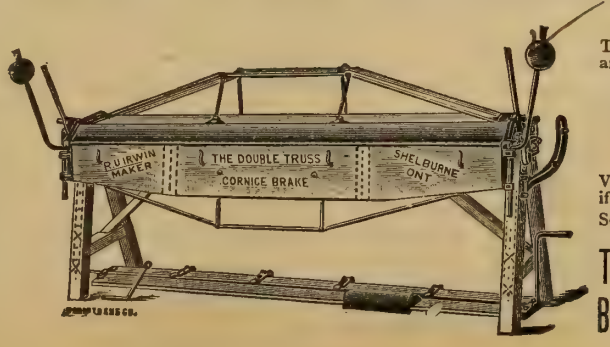
WINNIPEG, MAN.

Importers of and Dealers in

SHELF AND HEAVY HARDWARE, PAINTS, OIL, GLASS, PUMPS, ETC.

Stock now **complete** in seasonable lines. **Prompt** shipment.

Letter orders receive **special** attention.



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

Price, $50

Very handy beader attachment, $10 extra if required.

Send for circulars and testimonials to

The Double Truss Cornice Brake Co. SHELBURNE, ONT.

DEFENCE OF THE TORONTO FAIR.

Editor HARDWARE AND METAL,—In an editorial article contained in your issue of the 23rd inst., under the caption of "Fakes at the Toronto Industrial Exhibition," you make three assertions which have no foundation in fact, and which, I think, are calculated to materially injure the Exhibition. They are, (1) that the main building was overrun with "cheap Johns," having the right to sell cheap jewelry, potato peelers, peanuts, candy, etc.; (2) that on account of the number of these "cheap Johns" legitimate manufacturers could not get as much space as they required; and (3) that the number of these selling rights is yearly growing larger and keeping out legitimate exhibitors.

For the past seven years I have had the honor to be chairman of the main and music buildings, and if there is blame in this matter I must shoulder the responsibility. The fact is, however, that during the entire period I have steadily decreased the number of selling rights in these buildings, until at present there is not one selling right where there formerly was five. There were only 11 selling rights all told given in the main building this year, as against 19 last year, and in this are included the refreshment stands put in at the request of the ladies' committee. In the piano building, where last year there were nine selling rights, this year there was only one, and that a soda water fountain put in at the request of the exhibitors themselves.

It is absolutely untrue that manufacturers have been crowded out, or the space of those exhibiting curtailed by reason of these selling rights, for we have always made it a rule to serve exhibitors first, without any regard, whatever, to the matter of selling rights. We do not pretend to give every exhibitor all the space they want. To do this would require a building several times as large as the one we are now compelled to use. We do, however, try to give them all that they can in fairness ask for, and all that we think they can reasonably use. You know, Mr. Editor, that even in the newspaper business it is impossible to please everybody, and it is just the same in the Exhibition. The superintendent of the main and music buildings, Mr. Unitt (one of the most gentlemanly and obliging men alive), finds it difficult to suit every exhibitor. Some people practically want the earth, and it is impossible when there are several of such exhibitors to give them all the most prominent places, and a monopoly of space, although we try to do so.

In regard to the quality of the exhibits, opinions appear to differ. My duties oblige me annually to carefully inspect every exhibit in the buildings under my control, and, in my own opinion (which has been indorsed by many capable judges, who made a careful examination of them) the exhibits this year were fully equal, if not superior, to those of former years. On account of the unprecedented rush of business among our manufacturers, many of our usual exhibitors found it impossible to get goods enough together to make an exhibit at all. On the other hand, quite a number of manufacturers sent the goods they had made up specially for the coming World's Fair at Paris, France, and, as may be inferred, these were the best they could produce, and a credit to Canada or any other country.

Without taking up much more of your valuable space, I may say that it has always been the policy of the board of the Toronto Exhibition to give their exhibitors (whether manufacturers or others) all the space and facilities that they can fairly use.

I have never known of an exhibition that had not selling rights amongst its exhibits. I challenge an honest comparison as to the numbers of these, between the main and music buildings of the Toronto Exhibition and any other prominent exhibition in the world, not excepting the World's Fairs of Philadelphia and Chicago. In spite of all this, however, our policy, as previously stated, has always been to subordinate these selling rights to the needs of actual exhibitors, and I am satisfied that it will so continue.

In my opinion, the crying need of our Canadian manufacturers at the Toronto Industrial Exhibition, is a new and thoroughly up-to-date main building, where their products can not only be properly exhibited, but properly seen and inspected in comfort by the visitors. The present main building, although quite good enough 21 years ago, is to-day away behind the age and ill suited either to protect valuable goods or show them to advantage. The addition of such a building to the equipment of the association would mark a new era in the growth of the Exhibition, and if influential journals like HARDWARE AND METAL would aid in effecting this they would do the Exhibition more real good than by enlarging upon the faults that I have dealt with in this letter.

W. K. MCNAUGHT.

The new factory which the Wm. Cane & Sons Co., Limited, woodenware manufacturers, Newmarket, Ont., are erecting is about completed. The carpenters are putting on the finishing touches to the interior of the new dry kilns, and will finish in the course of a few days. Two new lathes have been placed in position in the present pail department.

A CASH SYSTEM ANNOUNCEMENT.

THE following circular was issued by a firm in South Portland, Me., that had decided to introduce the cash system:

On and after August 21, 1899, we shall discontinue our credit system and conduct our business only on a strictly cash basis.

We make this change only after careful thought. We will this year complete our thirteenth year of business in South Portland. During that time we have done a large credit business, and from the experience of those years we are firmly convinced that the credit system is an expensive way of doing business, both for the dealer and the customer. We have also learned by experience that it is often those in whom we have reason to place the most confidence, who prove unfaithful to their financial obligations to us, and, therefore, we can see no halfway method of giving credit. Explain it away as much as we please, the fact remains that the credit grocer is handicapped by long and poor accounts, so by selling for cash, and cash only, lower prices can be made than when credit is given, because business can be done at very much less expense, and the loss by bad bills eliminated.

We shall prove to you by prices quoted on and after August 21, that the little effort required to pay cash on delivery of goods will be more than made up to you in the saving by the change.

We have always conducted our business on a "strictly one price to all" basis, which, we believe, has been appreciated by the trade. Our prices have always been the lowest possible for a credit house to give, handling the highest grade of goods.

While we wish to collect in our outstanding accounts as soon as possible, we do not mean by this change to express any dissatisfaction over unsettled accounts due us, and shall exercise a reasonable amount of patience until you become accustomed to the change and see your way clear to meet your obligations.

We take this opportunity to thank you for your generous patronage in the past, and shall make every effort possible, not alone by reducing prices, but by courteous treatment and prompt attention, to merit a continuance and increase of the same.

Believing the cash system to be the more honest and equitable way of doing business, and hoping this may be accepted in the spirit in which it is given, we are,

Yours very respectfully.

IRON TRADE ACTIVITY.

Discussing the possible duration of the present prosperity in the iron and steel trade, The Iron Trade Review, which seems to be of the opinion that current heavy demand has a more or less lengthy period of existence before it, says: "We believe that the influence of the large consolidations in holding up prices and therefore maintaining wages has not been duly allowed for by those who expect a comparatively speedy reaction. Thus far the consolidations in the iron trade have not made any show of their workings under conditions calling for an exercise of their new power. Prices have been fixed by demand largely exceeding supply. That rapid and serious recessions will not be permitted so far as the power of the consolidaions can prevent it is practically certain."

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker
22 St. John Street, Montreal.

Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates, Galvanized Sheets, Imitation Russia Sheets Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.



VanTuyl & Fairbank

Petrolia, Ont.

Headquarters for . .

Oil and Artesian Well Pumps, Casing, Tubing Fittings, Drilling Tools, Tables, etc.

R. C. LeVESCONTE

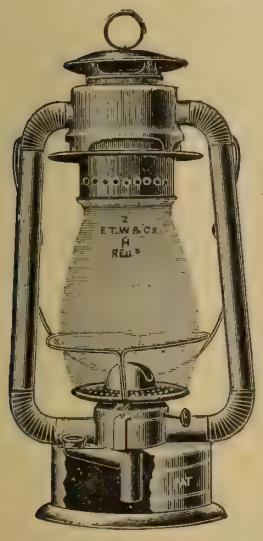
Barrister, Solicitor, Notary, Etc.

The McKinnon Building
Cor. Jordan and Melinda Streets
. . . TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.

No. 3 Patent Well.

"Oil wont spill if upset."



Manufactured by

E. T. WRIGHT & CO.

Hamilton, Canada.

Send for New Catalogue.

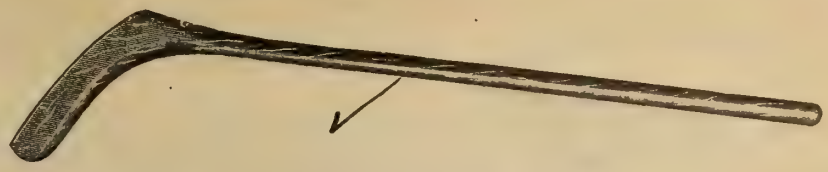
TRADE MARK J REGISTERED

"JARDINE" TIRE UPSETTERS WILL UPSET TIRES

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.
HESPELER, ONT.



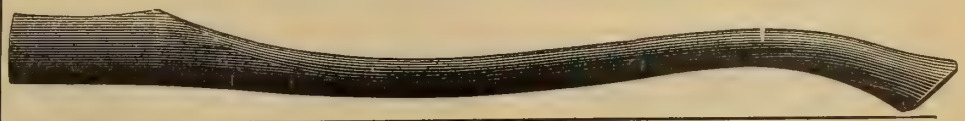
Hockey Sticks
Handles

Write for samples and prices of our new pattern.

Of all descriptions, Neckyokes and Whiffletrees, etc., etc., to the trade only.

ST. THOMAS HANDLE AND TURNING WORKS

Established 1877. J. H. STILL, Proprietor.

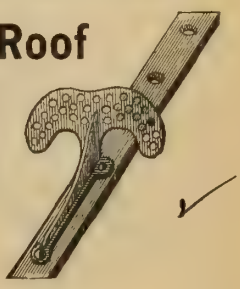




PATENTED.

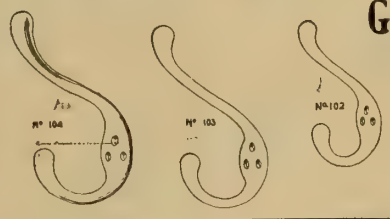
Standing Seam and Slate Roof
SNOW SHOE IRONS

No snow rails need be used unless desired. The lugs clinch through the seam easily but securely. Send for catalogue.



Berger Bros. Co.,

Mfrs. of TINNERS' HARDWARE AND ROOFERS' SUPPLIES,
Philadelphia, U.S.A.



Gunn's Patent "Brassic" Goods

Made by an entirely new process.
Cheaper and better than old style.
Your stock not complete without them.

THE GUNN CASTOR CO., Limited
KNOX HENRY,
Canadian Agent, 220½ Board of Trade, Montreal.

EVERY ORIGINAL TIN HAS THIS IMPRESSION NOBLES & HOARE LONDON ENGLAND ON A WHITE CAPSULE

Nobles & Hoare.

CORNWALL ROAD STAMFORD STREET.
LONDON, ENG.

Manufacturers of
HIGH-CLASS VARNISHES ONLY

Which can be obtained direct from the works or from the principal Color Dealers in Canada.

HUTCHISON, SHURLY & DERRETT

DOVERCOURT TWINE MILLS.

1078 BLOOR STREET WEST, TORONTO.

Having equipped our Factory with entirely new machinery, we are prepared to furnish the best made goods in the market at closest prices and make prompt shipments.

Hand Laid Cotton Rope and Clothes Lines,
Cotton and Russian Hemp Plough Lines, plain and colored.
Cotton and Linen Fish Lines, laid and braided.
Netted Hammocks, white and colored, Tennis and Fly Nets.
Skipping Ropes, Jute, Hemp and Flax Twines.

CORPORATE MARK

JOSEPH RODGERS & SONS, Limited.

MANUFACTURERS OF

Pocket and Table Cutlery, Scissors, Razors, Erasers, Etc.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for Canada,

JAMES HUTTON & CO., - - Montreal

CURRENT MARKET QUOTATIONS

Sept. 29, 1899.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—	
56 and 28 lb. ingots, per lb.	0 37
Straits	0 37

Tinplates.

Charcoal Plates—Bright.

	Per box
M.L.S., equal to Bradley.	
I.C., usual sizes	$6 50
I.X., "	7 75
I.X.X., "	9 00
J. R. & Co.—	
I.C	6 00
I.X	7 25
I.X.X	8 50
Famous—	
I.C.	6 25
I.X.	7 50
I.X.X	8 75
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	5 75
I.X.X. "	6 50
I.XXX., "	7 25
D.C., 12½x17	4 50
D.X.	5 25
D.X.X	7 25

Coke Plates—Bright.

Bessemer Steel—	
I.C., usual sizes	4 35
I.C., special sizes, base	4 50
20x28	8 75

Charcoal Plates—Terne.

Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 50
I.X., Terne Tin	10 50

Charcoal Tin Boiler Plates.

	Per lb.
Cookley Grade—	
X X., 14x56, 50 sheet bxs	0 07 0 07½
" 14x60 "	
" 14x65, "	

Tinned Sheets.

72x30 up to 24 gauge	0 07½ 0 08
" 26 "	0 08 0 08½
" 28 "	0 08½ 0 09

Iron and Steel.

	Base	Price
Common Bar, per 100 lbs	2 30	2 35
Refined " "		2 65
Horse Shoe		2 40
Hoop steel, 1½ to 3 in. base, extras for smaller sizes		2 75
Swedish " "	4 00	4 25
Sleigh Shoe Steel " base		
Tire Steel		
Machinery		2 65
Cast Steel, per lb	0 10	0 14
Toe Calk Steel		
Thos. Firth & Sons' Cast Steel	0 12	0 14
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker.	2 00	2 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½-inch	0 11
2 "	0 12
2½ "	0 14
"	

Steel Boiler Plate.

¼ inch	3 25
3-16 inch	3 40
⅜ inch and thicker	3 25

Black Sheets.

18 gauge	2 75
20 gauge	2 75
22 to 24 "	2 90
26 "	3 00
28 "	3 25

Canada Plates.

All dull, 52 sheets	2 75
Half polished	2 85
All bright	3 25

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ⅜ inch, $3 60 ; ½ inch, $3.70 ; ¾ inch, $4.70; 1 inch, $5.90; 1¼ inch, $7.85 ; 1½ inch, $9.75; 2 inch, $13.00. 2½ to 6 inch, discount 50 p.c.

Galvanized, ½ inch, $6.50 ; ¾ inch, $8.00 ; 1 inch, $11.50 ; 1¼ inch, $16.00); 1½ inch, $20.00 ; 2 inch, $28.50.

Galvanized Iron.

	G C. Comet.	Amer.	Queen's Head
16 gauge			4 25
18 to 24 gauge	4 50	4 20	4 50
26 "	4 75	4 40	4 75
28 "	5 00	4 70	5 00

Less than case lots, 25c. per 100 lb. additional.

Chain.

Proof Coil, 3-16 in., per 100 lbs	
" ¼ " "	6 75
" 5-16 " "	4 75
" ⅜ " "	4 30
" 7-16 " "	4 15
" ½ " "	3 05
" ⅝ " "	3 85
" ¾ " "	3 75
Trace, per doz. pairs	3 60 5 90
Jack chain, iron, single, per doz. yards	0 13 0 50
Jack chain, double, per doz. yards	0 15
Jack chain, brass, single, per doz. yards	20 10

Copper.

Ingot.

English B. S., ton lots	0 20 0 21
Lake Superior	

Bolt or Bar.

Cut lengths, round, ½ to ⅞ in.	0 23½ 0 25
" round and square 1 to 2 inches	0 23½ 0 25

Sheet.

Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 23 0 23½
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 23 0 23½

NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.

Tinned copper sheets	0 26
Planished	0 32

Braziers. (In sheets.)

4x6 ft. 25 to 30 lbs. ea., per lb.	0 25½
" 35 to 45 " "	0 24½
" 50-lb. and above, "	0 23½

Boiler and T. K. Pitts.

Plain Tinned, per lb	0 28
Spun, per lb	0 32

Brass.

Roll and Sheet, 14 to 30 gauge.	5 per cent.
Sheets, hard-rolled, 2x4	0 24 0 25
Tubing, base, per lb	0 24 0 25

Zinc Spelter

Foreign, per lb	0 07½ 0 07¾
Domestic "	

Zinc Sheet.

5 cwt. casks	0 09
Part casks	0 08¼

Lead.

Imported Pig, per lb	0 04¼ 0 04½
Domestic, per lb	
Bar, 1 lb	05
Sheets, 2½ lbs. sq. ft., by roll.	0 05¼ 05½
Sheets, 3 to 6 lbs., per sq. ft., by roll	0 05 0 05¼

NOTE.—Cut sheets ½ cent per lb. extra

Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 20 per cent. discount

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths, lists at 7½ cents.

Shot.

Ordinary, drop, $4.75 per 100 lb. ; chilled, $5.15 per 100 lb. F.O.B. Toronto ; terms 3 per cent. cash, freights equalized on Montreal.

Soil Pipe and Fittings.

Discount, 50 and 10 per cent. on medium and extra heavy, and 50 per cent. on light.

Solder.

	Per lb.	Per lb.
Bar half-and-half	0 21	0 22
Refined	0 20½	0 21½
Wiping	0 20	0 0½

NOTE.—Prices of this graded according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 11 0 11½

White Lead.

	Per cwt.
Pure, Assoc. guarantee, ground in oil, 25 lb. irons	6 12½
No. 1 do	5 75
No. 2 do	5 37½
No. 3 do	5 00
No. 4 do	4 62½
Robertson's Chemically Pure	6 12½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B. B. Genuine	8 12½
" " No. 1	7 25
James' genuine	7 20
" " No. 1	6 75

Red Lead.

Genuine, 560 lb casks, per cwt.	$5 00
Genuine, 100 lb. kegs, per cwt.	5 25 5 50
No. 1, 560 lb. casks, per cwt.	4 75
No. 1, 100 lb. kegs, per cwt.	5 00

White Zinc Paint.

Elephant Snow White	0 08 0 09
Pure Whiie Zinc	0 08 0 09
No. 1	0 06 0 07½
No. 2	0 05 0 06½

Dry White Lead.

Pure, casks	0 05⅛
Pure, kegs	0 05⅜
No. 1, casks	0 04⅞
No. 1, kegs	0 05⅛

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)

Pure, per gallon	1 00 1 10
Second qualities, per gallon	0 90 0 95
Barn (in bbls.)	0 70 0 90
The Sherwin-Williams Paints	1 30
Canada Paint Co's Pure	1 10 1 20
Robertson's Pure	1 00 1 10
Sanderson Pearcy's Pure	1 00 1 10
Toronto Paint and Color Co.'s Pure	1 10 1 20

Colors in Oil.

(25 lb. tins, Standard Quality.)

Venetian Red, per lb	0 05
Chrome Yellow	0 11
Golden Ochre	0 06
French "	0 05
Marine Black	0 09
" Green	0 09
Chrome "	0 08
French Imperial Green	0 19

Colors, Dry.

Yellow Ochre (J. C.) bbls. per cwt	1 35 1 40
Yellow Ochre (J.F.L.S.), bbls. per cwt	2 75
Yellow Ochre (Royal), per cwt	1 10 1 15
Brussels Ochre	2 00
Venetian Red (best). per cwt.	1 80 1 90
English Oxides, per cwt.	3 00 3 25
American Oxides, per cwt	1 75 2 00
Canadian Oxides, per cwt.	1 75 2 00
Super Magnetic Oxides, 93 p c.	2 00 2 25
Burnt Sienna, pure, per lb.	0 10
" Umber, " "	0 10
do aw	0 09
Drop Black, pure	0 09
Chrome Yellows, pure	0 18
Chrome Greens, pure, per lb.	0 12
Golden Ochre	0 03¾
Ultra marine Blue in 28-lb boxes, per lb	0 08 0 24
Fire Proof Mineral, per 100 lb.	1 00
Genuine Eng. Litharge, per lb	0 07
Mortar Color, per 100 lb.	1 25
James' Gen. Red Lead, 100 lb	0 05
Pure Indian Red, No. 45, lb.	0 08
Whiting, per 100 lb.	0 55

Paris Green.

250 lb. casks	0 13½
50 lb. drums	0 14
1 lb. packages	0 15
½ lb. "	0 16½
1-lb. tins	0 15½

Sulphate of Copper.

Casks, for spraying, per lb.	0 07
100-lb. lots, do. per lb.	0 08

Putty.

Bladders in bbls.	1 80
Bladders in 100 or 200 lb. kegs or bxs	1 95
Bulk in bbls., per 100	1 65
Bulk in less quantities	1 80
25-lb. tins, 4 in case	2 05
12½-lb. tins, 8 in case	2 30

Quotations f.o.b. Toronto, Ottawa, Montreal, Hamilton, London, Guelph. For quantities less than 100-lbs., 2½c. per lb.

Varnishes.

(In 5-gal. lots.)	Per gal.	
Carriage, No. 1	1 30	1 40
Extra do.	1 50	1 60
Body Varnish	3 40	3 50
Furniture Varnish	0 50	0 60
Extra do.	1 00	1 10
Demar Varnish		1 50
Hard Oil Finish	1 30	1 35
Orange Shellac Varnish	2 00	2 10
White Shellac	2 20	2 25
Rubbing Varnish		2 00
Brown Japan		0 75
Elastic Oak	1 20	1 30

Linseed Oil.

Raw, per gal. net	0 57
Boiled, per gal. net	0 60

Outside points 1c. more than above figures

Turpentine.

1 to 4 barrels, net	0 76

Outside points 1c. more

Castor Oil.

In cases, per lb	0 09
Small lots	0 10

Cod Oil, Etc.

Cod Oil, per gal.	0 50 0 55
Pure Olive	1 20
" Neatsfoot	90

Glue.

(In bbls.)

Common	0 08½ 0 09
French Medal	0 12 0 15
Cabinet, sheet	0 11 0 13
White, extra	0 16 0 18
Gelatine	0 22 0 30
Strip	0 16 0 18
Coopers	0 19 0 20
A1 clear	0 09

HARDWARE.

Ammunition.

Cartridges.

B. B. Caps. Dom., 50 and 5 per cent.
Rim Fire Pistol, dis. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18 p.c. Amr.

Use Syracuse Babbitt Metal

IT IS THE BEST MADE



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds Machinery Bearings.

PIG TIN, LEAD, INGOT, COPPER, BRASS, NICKEL, ALUMINUM, ZINC SPELTER, ANTIMONY, ETC., FURNISHED PROMPTLY.

Factories: 332 William St., MONTREAL, QUE. and SYRACUSE, N. Y.

Syracuse Smelting Works

Central Fire Cartridges, pistol sizes, Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.
Brass shot Shells, 55 and 10 per cent.
Primers, Dom., 80 per cent.

Wads.

	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	

Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 33⅓ per cent.

Anvils.

Per lb	0 10	0 12½
Anvil and Vice combined each	....	4 50
Wilkinson & Co.'s Anvils..lb.	0 09	0 09½
Wilkinson & Co.'s Vices..lb.	0 09¾	0 10

Augers.

Gilmour's, discount 50 and 10 p.c. off revised list.

Hollow, Stearn's, per dozen..	13 00	20 00
Adjustable, Stearn's, each..	4 50	6 50
Post-hole, Vaughan's, each..	60	90

AXES.

Chopping Axes—		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00

Bench Axes, 40 and 15 p c.
Broad Axes, 33⅓ per cent.

Hunters' Axes	5 50	6 00
Boy's Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Bath Tubs.

Zinc	3 90	4 00

Copper, discount 40 and 10 p c. off revised list
Steel clad, 20 per cent. discount off revised list. Boxing extra.

Anti-Friction Metal.

"Tandem" A	per lb.	0 23
" B	"	0 19
" C	"	0 11½

Magnolia Anti-Friction Metal, per lb. 0 25
F. O. B. New York or Chicago.

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent.

Door.

Gongs, Sargant's	5 50	8 00
" Peterboro', discount 50 per cent.		

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00
Blacksmiths', discount 60 per cent.		

Belting.

Extra, 50 per cent.
Standard, 50 and 10 to 50, 10 and 5 per cent.
Agricultural, 60 and 10 p.c.

Bits.

Auger.

Gilmour's, discount 50 and 10 per cent.
Rockford, Common, 70 to 70 and 10 per cent.
" Perfection, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent.

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind Rollers.

Annex, per doz	1 25	1 75
Mascott, "	1 35	1 85
Erminie, "	1 00	0 00

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Norway Bolts, full square	65
Common Carriage Bolts, 5-16 & under	55
" " " ⅜ and larger.	50
" " " full square	65
Machine Bolts, all sizes	55
Coach Screws	67½
Sleigh Shoe Bolts	72½
Blank Bolts	55
Bolt Ends	62½
Nuts, square	3¾c.
Nuts, hexagon	4¼c.
Tapping Nuts	60
Tire Bolts	60 and 10
Stove Bolts	60 and 10
Stove rods, per lb	5½ to 6c.

Boot Calks.

Small and medium, per M	4 50	
Small heel, per M	4 25	

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent.

Henis, No. 8, "	....	6 00
Henis, No. 9, "	....	7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Plain building, per roll	0 28
Tarred lining, per roll	0 35
Tarred roofing, per 100 lb	1 40
Coal Tar, per barrel	3 75
Pitch, per 100-lb	0 60
Carpet felt, per 100 lb	2 25

Bull Rings.

Copper, $2.50 for 2½ in. and $2 for 2 in.

Butts.

Brass.

Wrought Brass, net revised list.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel.

Fast Joint, dis. 60 and 10 per cent.
Loose Pin, dis. 60 and 10 per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Cards.

Horse, per doz	0 60	1 00

Carpet Sweepers.

Bissell, per doz	....	22 50
World, "	....	21 75
Daisy, "	....	24 00
Star, "	....	18 00
Crown Jewel, per doz	....	29 00
Grand Rapids, "	24 00	33 00

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ percent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	50	9 50

Cement.

Canadian Portland	2 65	2 90
English "	....	3 00
Belgian "	....	2 70
Canadian hydraulic	1 00	1 10

Figures are for barrel lots.

Chalk.

Carpenters, Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 60 and 5 per cent.
Warnock's, dis. 60 per cent.

Churns.

Revolving Churns, metal frames—No. 0, $3—No. 1, $3.2[illegible]—No. 2, $3.40—No. 3, $3.75—No. 4, $4.50—No. 5, $5.90 each. Ditto, wood frames—15c. each less than above. Terms 4 months or 3 p.c. off 30 days, f.o.b.

Cinder Sifters.

Per doz	1 25

Clips.

Axle dis. 65 per cent.

Closets.

Plain Ontario Syphon Jet	$8 00
Emb. Ontario Syphon Jet	8 50
Fittings	1 00
Plain Teutonic Syphon Washout	4 75
Emb. Teutonic Syphon Washout	5 25
Fittings	1 00
Plain Richelieu	4 75
Emb. Richelieu	5 00
Fittings	1 25
Closet connection	1 25
Basins, round, 14 in.	0 65
" oval, 17 x 14 in.	1 55
" " 19 x 15 in.	2 30

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 20 per cent. from factory.

Dies.

Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. per cent.

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Broad's, dis 75 per cent.
Warnock's, dis. 50 and 10 per cent.

Drills.

Hand and Breast.

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis.. 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.

Stovepipe.

Per doz	0 85	1 70

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 45 per cent.

FILES.

Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Jowitt's, English list, 25 to 27½ per cent.
Mechanics' Star & File Mfg. Co. Discount 60 and 10 to 70 per cent.

FORKS.

Hay, manure, etc, dis., 60 and 10 to 60 and 5 p. c. revised list.

FREEZERS

Ice Cream,

White Mountain, 1 to 25 qt	1 35	13 50
Arctic, dis. 50 p.c.		

FRY PANS.

Acme, dis. 65 to 67½ per cent.

FRUIT PRESSES.

Henis', per doz	3 25	3 50

Shepard's Queen City, dis. 15 per cent.

GAUGES.

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	Double Diamond Per 50 ft.	Double Diamond Per 100 ft
Under 26	2 10	4 00	3 50	6 00
26 to 40	2 30	4 35	3 75	6 65
41 to 50	....	4 75	....	7 25
51 to 60	....	5 00	....	8 50
61 to 70	....	5 35	....	9 25
71 to 80	....	5 75	....	10 50
81 to 85	....	6 50	....	11 75
86 to 90	....	7 25	....	14 00
91 to 95	....	....	....	15 50
96 to 100	....	....	....	18 00
101 to 105	....	....	....	21 00
106 to 110	....	....	....	24 00
111 to 115	....	....	....	28 00

16 x 16 10 per cent. off.

HALTERS.

Rope, ⅜ per gross	8 25	8 55
" ½ "	9 25	6 50
" ⅝ "	11 00	11 20
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis 5 to 10 per cent. Can. dis. 25 to 27½ per cent.

Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz., net	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pair	0 40	2 50

Fork.

C. & B., dis. 45 per cent. rev. list.

Hoe.

C. & B., dis. 45 per cent. rev. list.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 45 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾	0 20

HANGERS.

Door, 4 and 5 inch, per pair	0 40	0 50

Lane's, 62½ per cent.

HARVEST TOOLS.

Discount, 60, 10, and 5 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent.

HINGES.

Blind, Parker's, dis. 60 and 10 to 65 per cent.
" Shepard's Noiseless, dis. 60 per cent.
" Buffalo, dis. 60 to 70 p. c.

Heavy T and strap, 4-in., per lb			0 06
" " 5-in., "		....	0 05¾
" " 6-in., "		...	0 05½
" " 8-in., "		....	0 05¼
" " 10-in., "		....	0 05

Screw hook and hinge—

6 to 12 in., per 100 lbs	....	3 75
14 in. up, per 100 lbs	...	3 00

	Per gro. pair
Spring	8 50

HOES.

Garden, Mortar, etc., dis. 60, 10 and 5 p.c.		
Planter, per doz	4 00	4 50

HOLLOWWARE

Discount,..... 45 and 5 per cent

HOOKS.

Cast Iron.

Bird Cage, per doz	0 50	1 10
Clothes Line, per doz	0 27	0 63
Harness, per doz	0 72	0 88
Hat and Coat, per gross	1 00	3 00
Chandelier, per doz	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.

Hat and Coat, discount 60 per cent.
Belt, per 1,000 ..... 0 60 0 70
Screw, bright, dis. 65 and 10 per cent.

HORSE NAILS.

"C" brand 50 p.c. dis.
"M" brand 50 p.c. } Oval head.

Acadian, 50 and 20 p.c., countersunk head.

HORSESHOES.

Iron Shoes.	F.O.B. Toronto. No. 2 and larger.	No. 1. and smaller.
Light, medium, and heavy	3 60	3 85
Snow shoes	3 85	4 10
Steel Shoes.		
Light	4 00	4 25
Featherweight (all sizes)	5 25	5 25

JAPANNED WARE.

Discount, 50 per cent. off list, June, 1899.

ICE PICKS.

Star, per doz	3 00	3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.

Copper, per lb	0 30	0 35

American, 60 and 10 to 65 and 5 p c.

KEYS.

Lock, Can., dis., 50 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz		1 00
Bronze, Berlin, per doz	2 75	3 25
Bronze Genuine, per doz	6 00	9 00
Shutter, porcelain, F. & L. screw, per gross	1 30	4 00

KNIVES.

Hay knives, spear point, L. or T handle, 60 10 and 5 per cent.

Lightning, per doz	6 50	8 40

Health's, $7.75 net.

LANTERNS.

Cold Blast, per doz	7 50
No. 3 "Wright's"	8 50
Ordinary, with O burner	4 25
Dashboard, cold blast	9 50
No. 0	6 00

Japanning, 50c. per doz. extra.

LEMON SQUEEZERS.

	per doz.	
Porcelain lined	2 20	5 60
Galvanized	1 87	3 85
King, wood	2 75	2 90
King, glass	4 00	4 50
All glass	1 20	1 30

LINES.

Fish, per gross	1 05	2 50
Chalk "	1 90	7 40

LOCKS

Canadian, dis. 33⅓ p.c.		
Russell & Erwin, per doz	3 05	3 25

Cabinet.

Eagle, dis. 30 p.c.

Padlock.

English and Am., per doz	50	6 00
Scandinavian, "	1 00	2 40

Eagle, dis. 15 to 17½ p.c.

MACHINE SCREWS.

Iron and Brass.

Flat head, discount 25 p.c.
Round Head, discount 20 p.c.

MALLETS.

Tinsmiths', per doz	1 25	1 50
Carpenters', hickory, per doz	1 25	3 75
Lignum Vitae, per doz	3 85	5 00
Caulking, each	60	2 00

MATTOCKS

Canadian, per doz	8 50	10 00

American, 60 and 10 p.c. off list.

MEAT CUTTERS.

American, dis. 30 to 32½ p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2d. and 3d	$3 25	$4 30
3d	2 90	3 95
4 and 5d	2 65	3 80
6 and 7d	2 55	3 65
8 and 9d	2 40	3 45
10 and 12d	2 35	3 40
16 and 20d	2 30	3 35
30, 40, 50 and 60d. (base)	2 25	3 30

Steel Cut Nails 10c. extra.

NAIL PULLERS.

German and American	1 85	3 50

NAIL SETS.

Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.

Poultry, 40 per cent. for McMullen's.

OIL.

Canada refined (Toronto)		0 13½
Sarnia Water White		0 15
Pratt's Astral		0 18
Sarnia, Prime White		0 14
American w. w.		0 16½

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz	0 00	11 00
Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz	1 25	3 50
Brass, "	1 50	3 50

Malleable, dis. 25 per cent.

PAILS.

	per doz.
Galvanized, straight pattern No. 12	2 00
Galvanized, straight pattern No. 14	2 25
Galvanized, straight pattern No. 16	2 55
Flaring pattern, No 11	2 25
" " No. 12	2 50
" " No. 13	2 85
" " No. 14	3 30

PIECED WARE.

Discount, 45 per cent. off list, June, 1899.

PICKS.

Per doz	6 00	9 00

PICTURE NAILS.

Porcelain head, per gross	1 40	3 00
Brass head, "	0 40	1 00

PLANES.

Wood, bench, Canadian dis. 55 per cent. American dis. 55.
Wood, fancy Canadian or American, 37½ to 40 per cent.
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.
Miscellaneous, dis. 25 to 27½ per cent.
Bailey's Victor, 25 per cent.

PLANE IRONS.

English, per doz	2 00	5 00

PLIERS AND NIPPERS.

Button's Genuine, per doz pairs, dis. 37½ 40 p.c
Button's Imitation, per doz | 5 00 | 9 00
German, per doz | 0 60 | 2 60

PULLEYS.

Hothouse, per doz	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS

Canadian cistern	1 40	2 25
Canadian pitcher spout	1 15	2 00

PUNCHES.

Saddlers', per doz	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set	0 00	0 72
" hollow, per inch	0 00	1 00

RAKES.

Cast steel and malleable Canadian, list dis. 50 and 10 p.c revised list.
Wood, 25 per cent.

RASPS AND HORSE RASPS.

New Nicholson horse rasp, discount 60 p.c.
Globe File Co.'s rasps, 60 and 10 to 70 p.c.
Heller's Horse rasps, 50 to 50 and 5 p.c.

RAZORS.

	per doz.	
Geo. Butler & Co.'s	8 00	18 00
Boker's	7 50	11 00
Wade & Butcher's	3 60	10 00
Theile & Quack's	7 00	12 00

REAPING HOOKS.

No. 2	$2 00
No. 3	2 05
No. 4	2 15
No. 5	2 20

REGISTERS.

Discount,..... 60 per cent.

RIVETS AND BURRS.

Carriage, Section, Wagon Box Rivets, etc. (Steel), 45 p c.
Black M. Rivets (Steel), 45 p.c.
Black and Tinned Rivets, 45 p.c.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets & Burrs, 35 p.c. dis., and cartons, 1c. per lb. extra, net.
Extras on Tinned or Coppered Rivets in ½-lb. cartons, 1c. per lb.
Burrs, iron or steel, 40 per cent.
Terms, 4 mos. or 3 per cent. cash 30 days.

RIVET SETS.

Canadian, dis. 35 37½ per cent.

ROPE, ETC

	Sisal.	Manila.
7-16 in. and larger, per lb.	12½	15
⅜ in	13	15½
¼ and 5-16 in.	13½	16
Cotton		14
Russia Deep Sea		15½
Jute		8
Lath Yarn		9¾
New Zealand Rope		10½

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

Mrs. Potts, per set	0 70	
" N. P., per set	0 85	

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 2½ per cent.
Emery, 40 per cent.

SASH CORD.

Per lb	0 20	0 50

SASH WEIGHTS.

Sectional, per 100 lbs	3 25	
Solid, "	1 50	

SAWS.

Hand, Disston's, dis. 12½ to 15 p.c.
S. & D., 40 per cent.

Crosscut, Disston's, per ft	0 35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.		
Hack, complete, each	0 75	2 75
" frame only		0 75

SAW SETS.

"Lincoln," per doz	5 50	6 00

SCALES

Gurney Scales, 45 p.c.
B. S. & M. Scales, 45 p.c.
Champion 55 per cent.
Fairbanks Standard, 45 p.c.
" Dominion, 60 p.c.
" Richelieu, 60 p.c.
Chatillon Spring Balances, 25 p.c.

SCREENS.

Door, patent per doz	6 00	12 00
Window, per doz	2 00	3 00

SCREW DRIVERS.

Sargent's, per doz	0 65	1 00

SCREWS

Wood, F. H., iron, and steel, 80 and 5 p.c.
Wood R. H., " dis. 75 and 5 p.c.
" F. H., brass, dis. 75 and 5 p.c.
Wood, R. H., " dis. 67½ and 5 p.c.
" F H, bronze, dis. 67½ and 5 p.c.
" R.H. " 62½ and 5 p.c.
Drive Screws, 82½ and 5 per cent.

Bench, wood, per doz	3 25	4 00
" iron,	4 25	5 75

SCYTHES.

Discount, per doz. net	4 50	6 00

SCYTHE SNATHS.

Canadian, dis. 50 p.c.

SHEARS

Seymour's, dis. 50 and 10 p.c.
Heinisch, dis. 50 and 10 p.c.
Seymour or Heinisch tailor shears, 15 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SNAPS.

Harness, German, dis. 35 to 37½ p.c.		
Acme	3 00	5 00
Lock, Andrews'	4 50	11 50

SOLDER.

Bar, half-and-half	0 21½ 0 22
Refined	0 20½ 0 21
Wiping	0 19½

SOLDERING IRONS.

1, 1½ lb., per lb	0 37
2 lb. or over, per lb	0 34

WROUGHT SPIKES.

Discount, 35 to 40 per cent.

SQUARES.

Iron, per doz	1 65	2 90

Steel, dis. 50 and 10 per cent., revised list.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized	3 80	
Bright	3 55	

STOCKS AND DIES.

American dis. 25 p.c.

STONE.	Per lb,	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador		0 13
" Axe		0 15
Turkey		0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, per ton	15 00	18 00

STOVE PIPES.

5 to 6 inch, per 100 lengths		6 75
7 inch, per 100 lengths		7 25

Stove Polish.



No. 4—3 dozen in case, net cash $4 50
No. 6—3 dozen in case, " 7 50

STEP LADDERS.

Best grade, from 3 to 10-ft. long, per foot, 16c.
2nd grade, 3 to 10-ft., per foot, 10c.

TACKS BRADS, ETC.

	Per cent.
Strawberry box tacks, bulk	75 and 10
Cheese-box tacks, blued	85
Trunk tacks, black and tinned	85
Carpet tacks, blued and tinned	80
" " (in kegs)	40
Cut tacks, blued, in dozens only	75 and 5
" ¼ weights	60
Swedes, cut tacks, blued and tinned—	
In bulk	80 and 12½
In dozens	75
Swedes, upholsterers', bulk	85
" brush, blued and tinned, bulk	50
" gimp, blued, tinned & japanned	75
Zinc tacks	30
Leather carpet tacks	60
Copper tacks	50
Copper nails	52½
Trunk nails, black and tinned	70
Clout nails, blued and tinned	70
Chair nails	40
Cigar box nails	40
Patent brads	45
Fine finishing	45
Picture frame points	20
Lining tacks, in papers	10
" " in bulk	15
" " solid heads, in bulk, 75 and 12½	
Saddle nails in papers	10
" " in bulk	15
Tufting buttons, 22 line, in dozens only	60
Tin capped trunk nails	15
Zinc glazier's points	5
Double pointed tacks, dozens	5
" " " bulk	

TAPE LINES.

English, ass skin, per doz	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TINWARE.

Stamped, dis., Assn. list, 80 per cent.
Japanned, prices on application.
Pieced, prices on application.

TRANSOM LIFTERS.

Payson's per doz	2 60

TRAPS. (Steel.)

Game, Newhouse, dis. 40 p c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's, discount 10 per cent.

German, per doz	4 75	6 00
Brade's "	5 00	10 50

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb		0 21
Wrapping, mottled, per pack.	0 50	0 60
Wrapping, cotton, per lb	0 17	0 18
Mattress, per lb	0 33	0 45
Staging, "	0 27	0 35
Broom, "	0 30	0 55

VISES.

Hand, per doz	4 00	6 00
Bench, parallel, each	2 00	4 50
Coach, each	6 00	7 00
Peter Wright's, per lb	0 12	0 13
Pipe, each	5 50	9 00
Saw, per doz	6 50	13 00

ENAMELLED WARE.

White Ware, discount 50 per cent.

WIRE.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Smooth Steel Wire, base, $3.35 f.o.b. factory points Listof extras: Nos. 2 to 5, advance 7c. per 100 lb.—Nos. 6 to 9 base—No. 10, advance 7c.—No. 11, 14c.—No. 12, 20c.—No. 13, 35c.—No. 14. 47c.—No. 15, 60c.—No. 16, 75c. Extras net per 100 lb.: Coppered wire, 60c.—tinned wire, $2—oiling, 10c.—special hay-bailing wire, 30c.—spring wire, $1—best steel wire, 75c.—bright soft drawn, 15c.—in 50 and 100-lb. bundles net, 10c.—in 25-lb. bundles net, 15c.—packed in casks or cases, 15c.—bagging or papering, 10c.
Fine Steel Wire, dis. 12½ per cent. factory. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19. $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, $7.65—No. 24, $8—No. 25, $9—No. 26, $9.50—No. 27, $10—No. 28 $11—No 29, $12—No. 30, $13—No. 31, $14—No. 32, $15 No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31, $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ¼-lb. hanks, 75c.—in ⅛-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.60—No. 9, $3.10—No. 10, $3.70—No. 11, $3.75—No. 12, $3 20—No. 13, $3.45—No. 14, $4.10—No. 15, $4.70—No. 16. $4.85.

Broom Wire, per lb	0 05	0 05½
Clothes Line Wire, 19 gauge, per 1,000 feet		3 30

WIRE FENCING.

	F.O.B Toronto
Galvanized, 4 barb, 2¼ and 5 inches apart	3 25
Galvanized, 2 barb, 4 and 6 inches apart	3 25
Galvanized, plain twist	3 25

Terms, 2 per cent. in 10 days.

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net	1 75

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 70 to 70 and 10 p.c.
Standard, dis. 60, 60 and 10 per cent.
Coe's Genuine, dis. 20 to 25 p.c.
Diamond, dis. 33⅓ to 35 per cent.

Towers' Engineer, each	2 00	7 00
" S., per doz	5 80	6 00
G. & K.'s Pipe, per doz		3 40
Burrell's Pipe, each		3 00
Pocket, per doz	0 25	2 90

WRINGERS.

Leader, per doz.	$60 00
Royal Canadian "	58 00
Royal American "	48 00

Discount, 45 per cent.: terms 4 months, or 3 p.c. 30 days. Prices are f.o.b. London, Hamilton Toronto, Brockville or Montreal.

SEALED TENDERS, addressed to the undersigned, and endorsed "Tender for raising Barrack Building, &c., Regina." will be received at this office until Wednesday, the twenty-seventh September, 1899, for raising and underbuilding a Barrack Building, together with the Mess Room and Kitchen connected therewith, at Regina, N.W.T.

Plans and specification can be seen on application to the Officer Commanding the North-West Mounted Police at the Barracks, Regina, at the office of Mr. D. Smith, Clerk of Works, Winnipeg, Man., and at the Department of Public Works, Ottawa.

Tenders will not be considered unless made on the printed form supplied, and signed with the actual signatures of tenderers.

An accepted bank cheque, payable to the order of the Honourable the Minister of Public Works, equal to ten per cent. of the amount of tender, must accompany each tender The cheque will be forfeited if the party decline the contract or fail to complete the work contracted for, and will be returned in case of non-acceptance of tender.

The Department does not bind itself to accept the lowest or any tender.

By order,
E. F. E. ROY,
Secretary.

Department of Public Works,
Ottawa, Sept. 5th, 1899.

Newspapers inserting this advertisement without authority from the Department, will not be paid for it.
(39)

SEALED TENDERS, addressed to the undersigned, and endorsed "Tender for Public Building, Woodstock, Ont.," will be received at this office until Tuesday, 3rd October, 1899, for the erection of a public building at Woodstock, Ont., according to a plan and specification to be seen at the Department of Public Works, Ottawa, and at the office of A. S. Ball, Esq., Barrister, Woodstock, Ont.

Tenders will not be considered unless made on the form supplied, and signed with the actual signatures of the tenderers.

An accepted bank cheque, payable to the order of the Minister of Public Works, equal to ten per cent. (10 p. c.) of the amount of the tender, must accompany each tender. The cheque will be forfeited if the party decline the contract or fail to complete the work contracted for, and will be returned in case of non-acceptance of tender.

The Department does not bind itself to accept the lowest or any tender.

By order,
E. F. E. ROY,
Secretary.

Department of Public Works,
Ottawa, Sept. 15th, 1899.

Newspapers inserting this advertisement without authority from the Department will not be paid for it.
(39)

PERSONS addressing advertisers will kindly mention having seen their advertisement in Canadian Hardware and Metal Merchant.

D. F. Jones Manufacturing Co. Limited, of Gananoque, Ont.

Established 1852.

Shovels
Spades
Draining Tools



Grain and Coal Scoops and Miners' Shovels

The only Canadian manufacturers of Plain Back Shovels and Spades **THAT ARE SOLID,** without weld, and graduated from socket to point, and from centre to sides, of blades.

All our goods have trade mark on the handle.



IRON AND BRASS

Pumps

Force, Lift and Cistern Hand and Power.

For all duties. We can supply your wants with —quality the best and prices right. Catalogues and full information for a request.

THE R. McDOUGALL CO., Limited

Manufacturers, **Galt, Canada.**

SHIELD BRAND

Sheathing is the

BEST.

Ask your dealer for it.

Manufactured by

Lockerby & McComb

65 Shannon Street, MONTREAL.

CHAS. F. CLARK, President. **JARED CHITTENDEN, Treasurer.**

ESTABLISHED 1849.

...BRADSTREET'S...

Capital and Surplus, $1,500,000. **Offices throughout the civilized world.**

Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying, and promulgating information, no effort is spared and no reasonable expenes considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world. Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by respectable and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its Offices. **Correspondence invited.**

THE BRADSTREET COMPANY

TORONTO OFFICE: Cor. Jordan and Melinda Sts.

THOS. C. IRVING, Superintendent.

PERFECTION AUTOMATIC REVOLVER.



NEW Automatic shell extracting, double action, small frame. Weighs 12 oz. Rebounding lock. 32 caliber. 5 shot.

Made with shorter barrel for bicycle use.

The most perfect small pistol made.

SEND FOR CATALOGUE.

Forehand Arms Co.

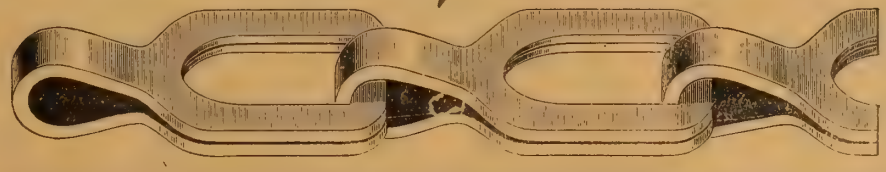
Manufacturers of the

Forehand Guns

Worcester, Mass.

AMERICAN COW TIES

WILL OUTLAST ALL OTHERS.



This is because the form of the link, the exact size and shape of which are shown above, is such that the wear is distributed evenly over its entire end. The bearing surface is thus very large, and the chain will wear for years without becoming worn appreciably.

With other styles of chain the bearing surface is only a very small portion of the extreme end of the link. Grooves are soon formed, and in a comparatively short time the links are worn—or, properly speaking, cut—through.

These facts are well shown on a cow tie recently brought us for repairs. It was an ordinary No 00 three chain tie. One chain was wire, the other two American. One of the wire links was worn entirely through. The others were nearly as bad—a strong pull would have broken almost any of them With the American chains, on the other hand, the wear was very slight, and hardly noticable—three times this amount would not have weakened the chains seriously.

In addition, because of its flat link and smooth surface, American chain is much easier for the neck of the animal than the twisted or wire chain. The American link cannot injure the animal's neck—other styles of link are very liable to.

American Cow Ties are made in all the standard patterns and sizes. They are sold by all jobbers.

ONEIDA COMMUNITY, Limited.

NIAGARA FALLS, ONT.

Est. 1863 Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve Medals

Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895

HAVE YOU TRIED IT?

"PYRAMID" BRAND



BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM
HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

Sole Manufacturers:

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

61-63 FRONT ST. WEST, TORONTO.

EDDY'S WRAPPING PAPERS

possess a peculiar toughness adapting them for the HARDWARE TRADE.

The long fibre we make them of is responsible for this.

SEND FOR A SAMPLE ORDER

PRINTED or UNPRINTED.

The E. B. EDDY CO., Limited

Hull, Montreal, Toronto, Quebec, Hamilton, Kingston, St. John, Halifax, Winnipeg, Victoria, Vancouver, St. John's, Nfld.

Name stamped on each bar.
"Langwell's Babbitt"
--Montreal.

CANADIAN

HARDWARE AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XI. MONTREAL AND TORONTO, OCTOBER 7, 1899. NO. 40



Magnolia Metal

Best Anti-Friction Metal for all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up in bars, of which this is a

FAC-SIMILE.

The name and trade mark appear on each box and bar, and besides this, the words "Manufactured in United States" and "Patented June 3, 1890" are stamped on the under side of each bar.



Magnolia Metal is still selling at the same price it has always sold at—no advance.

MAGNOLIA METAL COMPANY

LONDON OFFICE—49 Queen Victoria St.
CHICAGO OFFICE—Fisher Building, 281 Dearborn Street.
CANADIAN OFFICE—524 Board of Trade Building, Montreal.

Owners and Sole Manufacturers,
266 and 267 West St., New York



CANADA

"JUST AS GOOD"

so they say about many other brands comparing them with "QUEEN'S HEAD," but the claim only proves that "QUEEN'S HEAD" is the standard, and there is no brand which you can safely substitute.

JOHN LYSAGHT, Limited,
BRISTOL, ENG., and MONTREAL.

12 Years Prove It.

Time is the true test of Quality—twelve years of constant use without an unsatisfactory report on the Safford Patent Radiators! Not one complaint from leakage, bursting or wearing out—if proof is wanting of perfection in

Steam or Hot-Water Heating,

here it is. "12 years prove it."

No bolts, rods or packing—screw-nipple connections at every joint. Handsome as a radiator *can* be. Fits curves, circles, angles. Made by the largest radiator manufacturers under the British Flag. Illustrated catalogue free.

The Safford Radiators.

The Dominion Radiator Company, Limited,
TORONTO, ONTARIO.

AGENCIES AT

Montreal,	Quebec,	St. John, N. B.,
Winnipeg,	Vancouver,	London,
Glasgow,	Edinburgh,	Belfast,
Antwerp,	Berlin,	Christiana,
Auckland, N.Z.		Johannesburg, S.A.R.

RICE LEWIS & SON
(LIMITED)

ARTHUR B. LEE, President. *A. BURDETT LEE, V. P. and Treas.*

Importers of . . .

Bar Iron
Steel
Boiler Plate

Shelf and Heavy

Hardware



MANTELS
GRATES
TILES

Cutlery . .

FINE BUILDERS' HARDWARE.

Cor. King and Victoria Streets ...TORONTO

SAVAGE REPEATING RIFLE

.303 CAL.



Hammerless
Smokeless
Six-Shooter

New 1899 Model

AGENTS:
Winnipeg, J. H. ASHDOWN
Toronto, RICE LEWIS & SON
Quebec, CAVERHILL, LEARMONT & CO.

LATEST and FINEST Rifle manufactured.

Write for complete Catalogue W.

SAVAGE ARMS CO., Utica, N.Y., U.S.A.

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74 YEARS. *ESTABLISHED 1825.* *74 YEARS.*

CELEBRATED

HEINISCH SHEARS



ACKNOWLEDGED THE BEST.

Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.

R. HEINISCH'S SONS CO.

NEW YORK OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

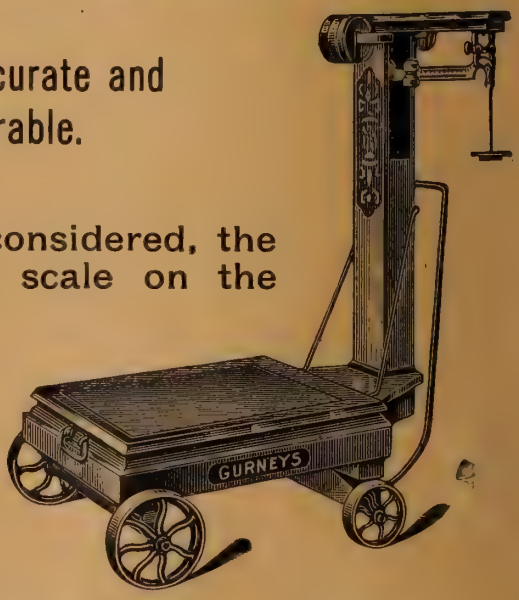
Not connected with any Shear Combination.

CANADA'S BEST SCALES

GURNEY

Accurate and Durable.

Quality considered, the cheapest scale on the market.



A complete stock of Scales carried in Montreal by our Agent, WALTER GROSE.

THE GURNEY SCALE CO

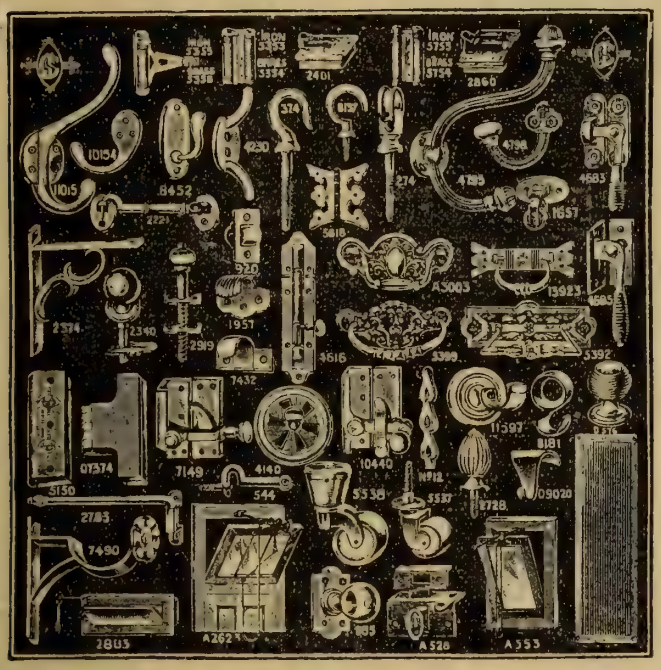
Hamilton, Ontario, Canada.

James Cartland & Son

Manufacturers of every description of **Limited**

CABINET, BUILDERS', FURNISHING AND NAVAL BRASSFOUNDRY

BIRMINGHAM, ENGLAND.



London Showrooms: 57 Holborn Viaduct, E.C.

Thresher Belts

CANADIAN RUBBER CO. EXTRA BRAND MONTREAL & TORONTO

with these brands are a guarantee in themselves of excellence . . .

Manufactured by

The Canadian Rubber Co.

Of Montreal

Factories and Head Office,

Capital, $1,500,000.00 **MONTREAL**

CANADIAN RUBBER CO. EXTRA HEAVY BRAND MONTREAL & TORONTO

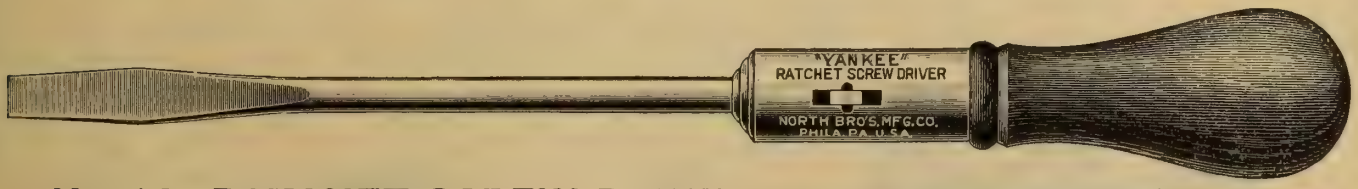
Ontario Branch, Toronto
Western Branch, Winnipeg

Write for . . .

Samples, Lists, and Discounts.

"YANKEE" TOOLS

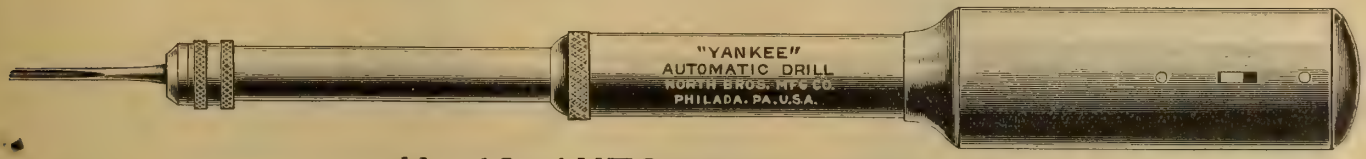
are sold by Leading Jobbers throughout the Dominion.



No. 10 RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.



No. 30 SPIRAL-RATCHET SCREW DRIVER.



No 40 AUTOMATIC DRILL.

FREE A handsome lithographed and embossed Sign in colors, on tin, to dealers handling these tools. Separate sign for each tool. Write at once which sign is wanted and it will be mailed post paid.

SEND FOR "YANKEE" TOOL BOOK.

North Bros. Mfg. Co.

Philadelphia, Pa., U.S.A.

EDDY'S WRAPPING PAPERS

possess a peculiar toughness adapting them for the HARDWARE TRADE.

The long fibre we make them of is responsible for this.

SEND FOR A SAMPLE ORDER

PRINTED or UNPRINTED.

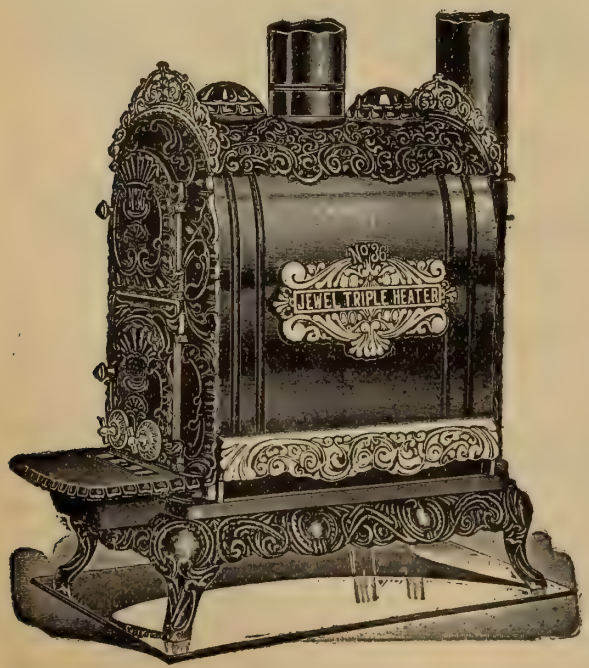
The E. B. EDDY CO., Limited

Hull, Montreal, Toronto, Quebec, Hamilton, Kingston, St. John, Halifax, Winnipeg, Victoria, Vancouver, St. John's, Nfld.

SOMETHING GOOD

The "Jewel" Triple Heater

is the most powerful and artistic stove of its class yet manufactured.

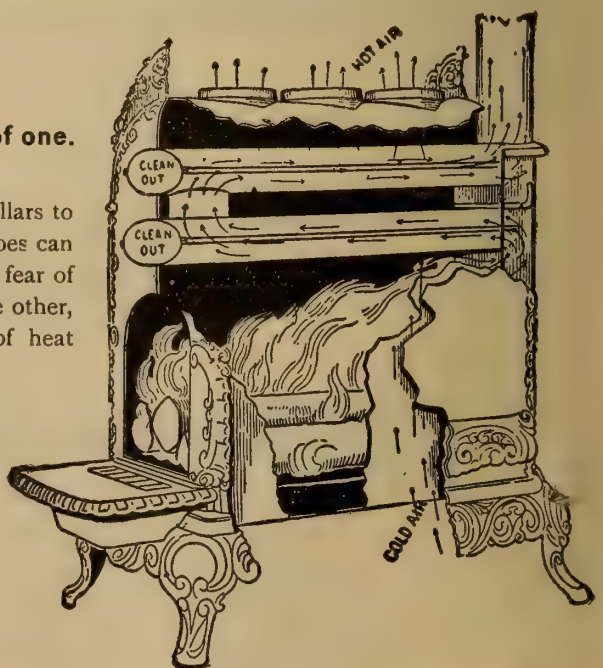


THREE HEATERS

for the price of one.

Three warm air collars to which three tin pipes can be attached without fear of one pipe robbing the other, as there is plenty of heat for all.

This stove is the most economical yet devised, and the dampers **are absolutely air-tight.** Write for quotations to the sole makers.



The BURROW, STEWART & MILNE COMPANY, Limited, Hamilton, Ont.

Deseronto Iron Co.

LIMITED

DESERONTO, ONT.

Manufacturers of

Charcoal Pig Iron

BRAND "DESERONTO."

Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

FULL STOCK

DIAMOND BRAND

SEWER PIPE

WIND GUARDS, CHIMNEY TOPS, FLUE LININGS, CULVERT PIPES, SEWER PIPES, INVERT BLOCKS.

Manufactured by the

HAMILTON AND TORONTO SEWER PIPE CO.

Hamilton, Ontario. Limited



The Leader Lawn Swing

Children's Delight, Satisfying to all, Perfectly Safe, Very Strong, Most Restful and Invigorating.

ORDER NOW.

THE DOWSWELL MANUFACTURING CO., LIMITED,

HAMILTON, ONT.

Hardwood CHARCOAL in Bulk or Sacks.

WOOD ALCOHOL equalling Methylated Spirits as a solvent.

Manufactured only by...

THE STANDARD CHEMICAL CO., Limited

Factories { Fenelon Falls. Deseronto.

Gooderham Building, TORONTO

...ZINC...

Spelter Sheet

From stock or for importation.
Enquiries solicited.

M. & L. Samuel, Benjamin & Co.

ENGLISH HOUSE:
Samuel, Sons & Benjamin
64 Fenchurch Street, London, E.C.

26 to 30 Front St. West TORONTO.

GEORGE TUCK & CO.

.. Importers of ..

Asbestos and Tuck's Packings

Pipe and Boiler Coverings, Cotton Waste, Oils, Oakum, etc., and General Engineers' Supplies.

No. 7 ST. PETER STREET, - - MONTREAL



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If you are a business man and get or want to get business by any kind of advertising, and want to know how to advertise and make money; or if you are an employe and expect to go into business for yourself; or if you want to get into a new and profitable profession—we furnish the foundation—the accumulated knowledge on the subject. Investigation costs you nothing. Invaluable information will be sent Free. Address Advertising World Publicity Club, Columbus, O.

WESTERN ASSURANCE COMPANY

Incorporated 1851.

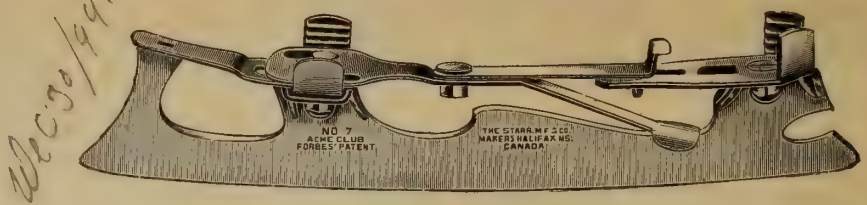
Fire and Marine

Capital, subscribed	$2,000,000.00
Capital - - -	1,000,000.00
Assets, over - -	2,340,000.00
Annual Income -	2,290,000.00

Head Office: TORONTO, ONT.

Hon. Geo. A. Cox, President. J. J. Kenny, Vice-President.
C. C. Foster, Secretary.

"GENUINE ACME SKATES."



Have a Character "All Their Own."

They are imitated, but not successfully. Anyone in the trade can tell the spurious article at a glance. Novices should see that our trade mark "Acme" is on the blade and also the maker's name, without which none are genuine.

THE STARR MANUFACTURING CO., Limited,

SOLE MAKERS, HALIFAX, N. S., CANADA.

One of the
LEADING WHOLESALE HARDWARE HOUSES
in Montreal to-day is

SEYBOLD, SON & CO.,

Established 30 years.

Carrying a complete assortment of HARDWARE, from a Needle to an Anchor.



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon

WOOD, VALLANCE & CO.,

Iron Merchants.

Importers of British and Foreign

HARDWARE

HAMILTON, ONT.,

Canada.

Toronto Office:

☞ **88 York Street.**

EXTENDED INSURANCE.

One of the many liberal features embodied in the **UNCONDITIONAL ACCUMULATIVE POLICY** issued by the

Confederation Life Association.

HEAD OFFICE--TORONTO.

is the provision for Extended Insurance. After two full annual premiums have been paid, the insured is entitled to Extended Insurance for the full amount of the policy for a term of years definitely stated therein. Paid-up and Cash Values also guaranteed.

Rates and full information sent on application to the Head Office, Toronto, or to any of the association's agents.

W. C. Macdonald, Actuary.

J. K. MACDONALD, Managing Director

HENRY DISSTON & SONS, Inc., PHILADELPHIA, PENNA.

. . . MANUFACTURERS OF . . .

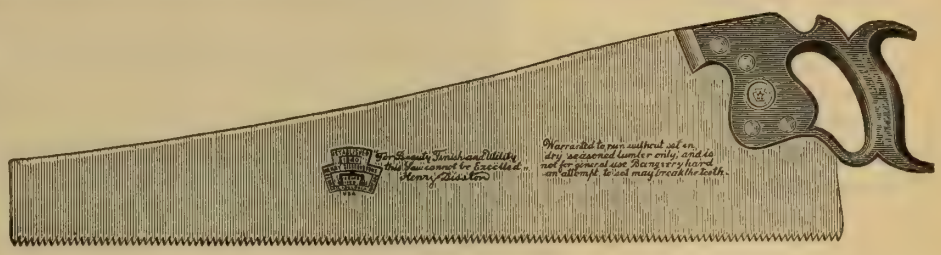
Saws, Files and Tools

of Superior Quality and Unsurpassed Workmanship.

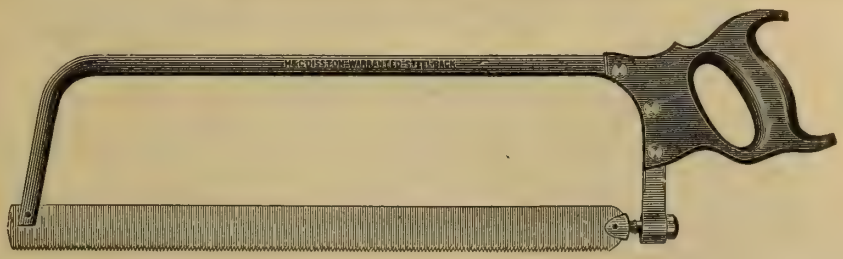


Our newest production of High-Grade Hand Saws. A perfectly proportioned, beautifully finished tool.

The Saw on which Henry Disston built his reputation. Equal in quality to any saw not stamped "Disston."



BUTCHER SAWS



ALL STYLES

FILES-- MANUFACTURED FROM CRUCIBLE STEEL, CAREFULLY FORGED AND HARDENED. CORRECTLY SHAPED TEETH. THE MOST DURABLE FILES ON THE MARKET.



ST. LAWRENCE LANCE TOOTH SAW, High-Grade Steel, Taper Ground.



WE MANUFACTURE THE LARGEST LINE OF SAWS IN THE WORLD.

LEWIS BROS. & CO., 30 St. Sulpice St., MONTREAL, QUE.

..THE..

"Good Cheer Art"

BASE BURNER

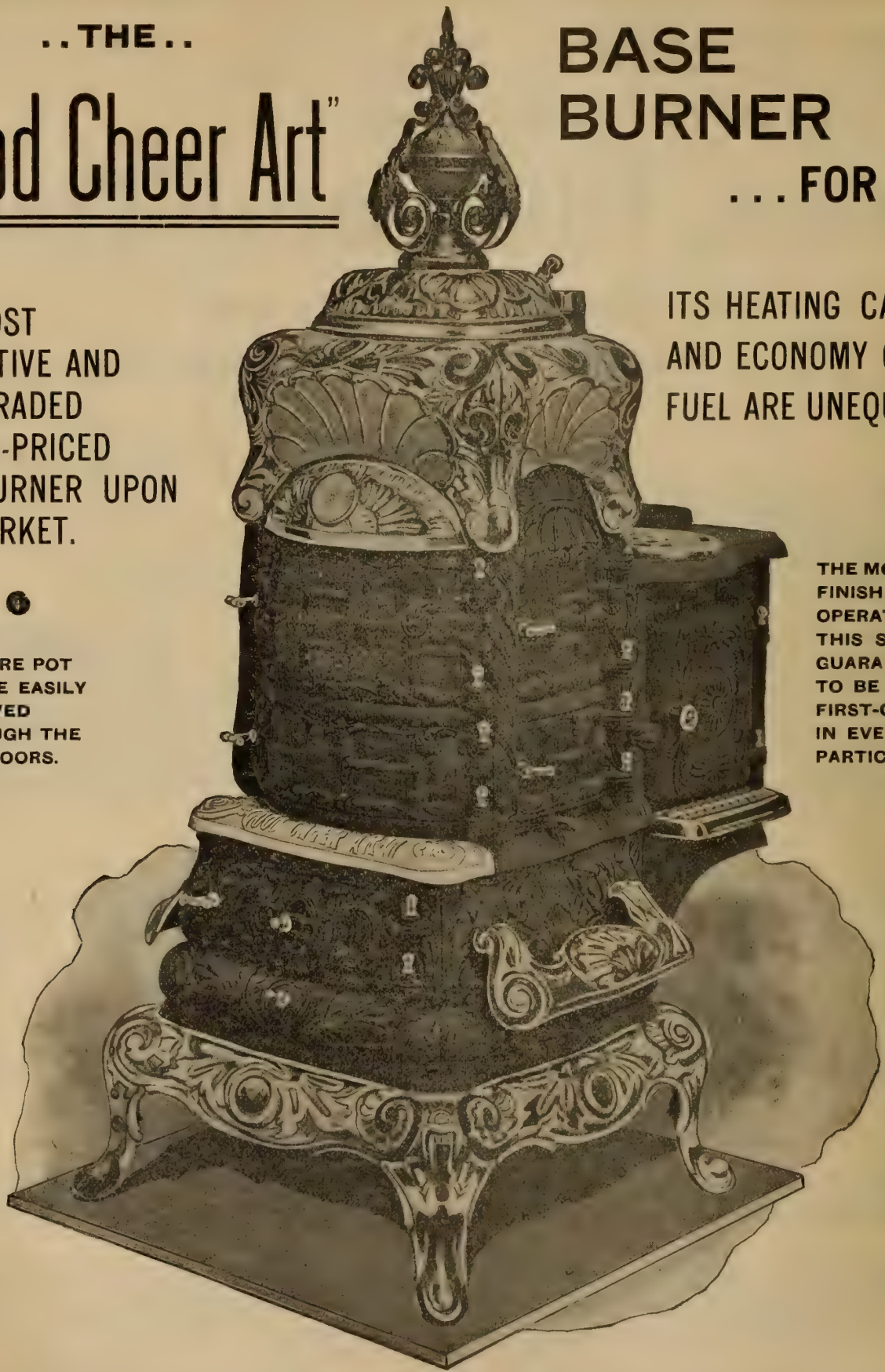
...FOR 1899.

THE MOST ATTRACTIVE AND BEST GRADED MEDIUM-PRICED BASE BURNER UPON THE MARKET.

ITS HEATING CAPACITY AND ECONOMY OF FUEL ARE UNEQUALLED.

THE FIRE POT CAN BE EASILY REMOVED THROUGH THE SIDE DOORS.

THE MOUNTING, FINISH AND OPERATION OF THIS STOVE ARE GUARANTEED TO BE FIRST-CLASS IN EVERY PARTICULAR.



It has The Improved Ransom Duplex Grate

All Body Nickel Work is Self Mounting

WITH AND WITHOUT OVEN.

EVERY STOVE A DOUBLE HEATER. EVERY OVEN OF SHEET STEEL.

THE JAMES STEWART MFG. CO., LIMITED, WOODSTOCK.

PREMIER STEEL AGATE WARE. PLEASES PARTICULAR PEOPLE.

The quality of our brands is unquestioned.

They are the best that can be made by brains, selected material, and machinery.

Every ingredient is thoroughly tested before being used.

They are made in large variety of lines and meet the requirements of all classes.

They are profitable both for you and your customers.

CRESCENT STEEL AGATE WARE. CATCHES CAREFUL COOKS.

Our lines of ***WHITE, BLUE and WHITE,*** and Decorated ware are very complete.

A sample order will convince you as to their merits. Write us for prices.

The Thos. Davidson Mfg. Co., Limited, Montreal, Que.

HARDWARE BUSINESS FOR SALE.

Established twenty years on Main St., Winnipeg, Mantoba. Satisfactory reasons for selling. First-class stand with all modern fittings — unexpired lease. Apply to CAMPBELL BROS.. Winnipeg, Manitoba. (tf)

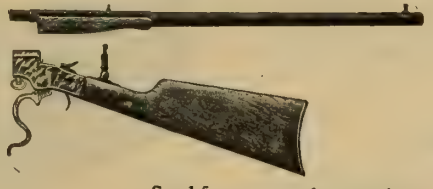
FOR SALE.

A NEW MARLIN RIFLE

Never been used. Just the Rifle for practice. Price $30. Will take $20.

19 Board of Trade, Montreal

STEVENS RIFLES



Send for our complete catalogue.

THE FAVORITE

is made in three calibres

22, 25 and 32 Rim Fire

and is the best low-priced rifle made. Highest quality of work. Accuracy guaranteed. Weight, 4½ lbs.

No. 17, Plain Sights— List $ 8.00
No. 18, Target Sights— " 11.50
No. 19, Lyman Sights— " 12.00

J. STEVENS ARMS & TOOL CO.

For Sale by All Leading Canadian Jobbers At Trade Discounts.

P.O. Box 215, CHICOPEE FALLS, MASS., U.S.A.

CORDAGE . .

ALL KINDS AND FOR ALL PURPOSES.

Manila Rope	Tarred Hemp Rope	Lathyarn	Spunyarn
Sisal Rope	White Hemp Rope	Shingleyarn	Pulp Cord
Jute Rope	Bolt Rope	Bale Rope	Lobster Marlin
Russian Rope	Hide Rope	Lariat Rope	Paper Cord
Marline	Halyards	Hemp Packing	Cheese Cord
Houseline	Deep Sealine	Italian Packing	Hay Rope
Hambroline	Ratline	Jute Packing	Fish Cord
Clotheslines	Plow Lines	Drilling Cables and	Sand Lines

"FIRMUS" Transmission Rope from the finest quality Manila hemp obtainable. Orders will not be accepted for second quality or "mixed" goods.

CONSUMERS CORDAGE COMPANY, Limited

Toronto Branch: 27 FRONT ST. WEST.

TEL. 94. **Wm. B. Stewart, Agent.**

Montreal, Que.

REGISTERED TRADE MARK

ISLAND CITY

The Island City Paint and Varnish Works

Manufacture the following brands of ***White Leads***

The Island City Pure White Lead
The Island City Pure White Paint
The Island City Decorators' Pure White Lead

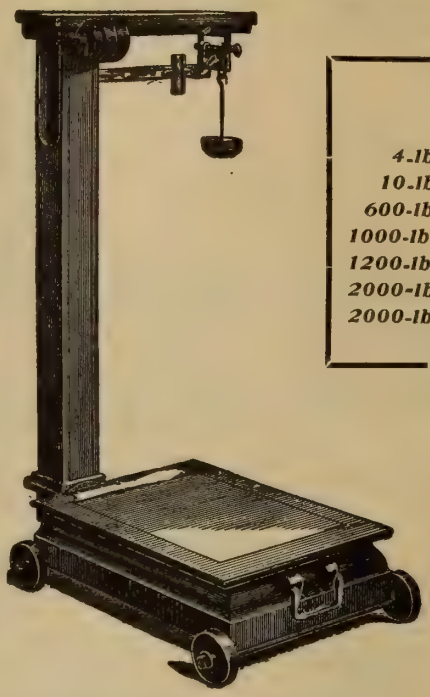
We advertise Island City Pure White Paint, not that we want to praise its qualities more than its worth, but it has given others better satisfaction than any other pure white lead, and we want you to use it.
We have not been able to fill all demands.

P. D. DODS & CO.,

100 Bay St., TORONTO. 188 and 190 McGill St., MONTREAL.

BINCHAMPTON STANDARD SCALES

QUALITY AND FINISH UNEXCELLED.



IN STOCK:

4-lb. E. B. Side Beam.
10-lb. " "
600-lb. Platform on Wheels.
1000-lb. " "
1200-lb. " "
2000-lb. " "
2000-lb. " " D.L

We want **ONE** agent in every town. Write us **QUICKLY**, and if we are not represented we shall be glad to arrange with you to represent us. Every scale stamped with **MAKERS'** name. By handling these you will double your sales.

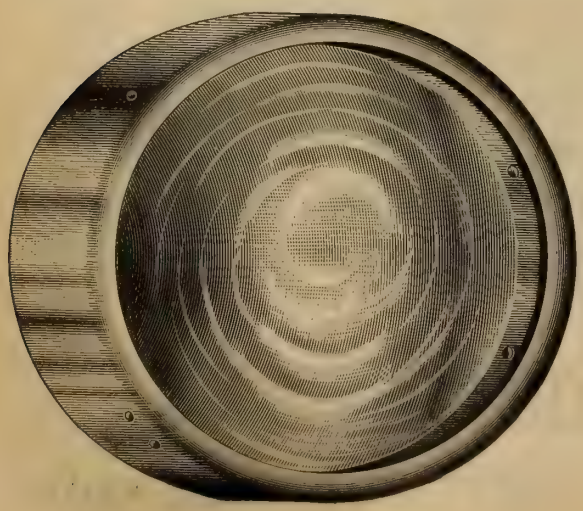
KERRIGAN HARDWARE CO., London, Ont.

Headquarters for Spirits of Turpentine, Linseed Oil, and White Lead.

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Kemp's Broad Hoop, Roll-Rim Milk Can Bottoms

Introduced to the Trade in
1898
and generally pronounced to be the best ever offered.



The **Broad Hoop, Roll-Rim Milk Can Trimmings**

have been improved for season of

1899

and will be found to be the strongest, and therefore the most serviceable.

Kemp Manufacturing Co.

TORONTO.

HARDWARE AND METAL

Vol. XI. MONTREAL AND TORONTO, OCTOBER 7, 1899. No. 40

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WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

THE LACK OF THOROUGHNESS.

THE great need of to-day is thoroughness. Lack of it in the performance of duty begins with the clerk and stays with the employer.

Knowledge of duties which are to be performed is proportionate to the thoroughness which is exercised.

Doing a thing even within 1 per cent. of your best is not thoroughness; thoroughness is the exercising of the 100 per cent. of your ability.

It is a great temptation, in the hurry and bustle of life, to just stop short of doing your best, and console yourself with the thought: "Oh, that will do; no one will know the difference." But some one will know it. You know it. And there is no one the practice injures as much as it does you; for the oftener a man fails to do his very best the harder is it for him to do his best the next time he is called upon to do so.

The very foundation of success is thoroughness. Genius has no comparison to it.

Employers are to-day watching for men of thoroughness; customers are watching for merchants of thoroughness. And success awaits all who practise it.

There is an old motto which we often forget, but which it would pay us all to remember, namely, "Whatever is worth doing at all is worth doing well."

RISE OF 25C. IN CUT NAILS.

The manufacturers of cut nails, on September 30, advanced the base price of cut nails 25c. per keg all around, it being fixed at $2.50 per keg, 30d., 40d., 50d., and 60d. basis, with the usual card extras.

Retail dealers, not consumers, will be entitled to the usual allowance off the face value of the invoice of 5c. per keg, the terms of sale and delivery being as usual.

The price applies to the Provinces of Ontario, Quebec, Nova Scotia and New Brunswick, the f.o.b. delivery points being Montreal, Toronto, Hamilton and St. John, N.B.

The Graham Nail Works; Hamilton Steel and Iron Co., Limited; Montreal Rolling Mills Co.; Peck, Benny & Co.; The Pillow & Hersey Manufacturing Co., Limited, and The Portland Rolling Mills Co., are all parties to the price.

This makes an advance, since the month of May, of a clean 45c. per keg.

SCREWS UP FIVE PER CENT.

THE screw manufacturers at their meeting on Tuesday decided to advance screws 5 per cent. all around.

Contrasted with other lines, values on screws have been relatively stationary during the fall and summer, as a comparison of the discounts at different periods will show. An advance, therefore, is not surprising; in fact, makers contend that it should have been made before this.

Comparing the new scale with previous price, it will be seen that, with the exception of flat head bright, there has been no change in screws since last May, The following proves this:

	New scale Per cent.	Old scale. Per cent.	May scale. Per cent.
Flat head, bright...	80	80 and 5	82½ and 5
Round " " ...	75	75 " 5	75 " 5
Flat head, brass....	75	75 " 5	75 " 5
Round " " ...	67½	67½ " 5	67½ " 5

SCOTCH PIG HIGHER.

The refusal of domestic furnaces to accept orders for pig iron until after the turn of the year, which decision was made over a month ago, has caused Scotch pig iron to steadily advance in the Montreal market.

The latest change came this week, when the price jumped suddenly $1.50 to $2 per ton, the very best price that it can be had ex wharf Montreal now being $27 per ton for Summerlee and equal brands.

Last May the same iron was selling at $20 to $21 ex wharf, so that it has advanced during the summer 35 per cent.

This appreciation on this crude material affords a pretty good idea of the expansion in the value of iron material that has been taking place.

A hardware store does not gain anything by being untidy any more than does a provision store. People like to see goods well arranged whatever their character may be.

LET THE CUSTOMER KNOW.

A QUESTION often asked these days is: Are merchants taking care to increase their profits?

No doubt in some quarters this is being properly attended to, because the merchant, finding there is a distinct demand for goods, s in a better position than for years past to say what price he shall ask for them.

Although competition is still severe, the readiness with which men and women go into a store nowadays and put down the money for what they want is really refreshing. They do not spend nearly so much time in trying to squeeze down the price or take the cheapest line.

This, therefore, is the opportunity which the live retailer takes advantage of, and we know of several cases where the merchant has held firm and got his price even at the risk of losing a customer. The local merchant, that is, a merchant in a smaller town, is not so happily situated in this respect, because he may have several competitors and he does not care to risk turning a customer away to someone across the street.

Are the people throughout the country as well informed as we merchants are about the tremendous advances in the markets of the world?

We would suggest that the merchant (who is usually a patron of his local newspaper in the way of advertising) should go to the editor and have him write one or two articles in his paper letting the people of the locality know of the activity in iron, shelf hardware, and, in fact, all lines into the manufacture of which iron enters.

THE TRANSPORTATION QUESTION.

Mr. A. M. Payne, Canadian representative of Faudel, Phillips & Sons, London, Eng., was in Toronto the other day. He was much impressed by the facilities for navigation afforded by the portions of our canal system which were seen by him for the first time. In the course of conversation, our visitor, who has made the transportation question a sort of hobby, propounded the rather bold idea that the time was ripe for a bounty on Canadian imports and exports between Canada and Europe when carried by exclusively Canadian routes.

Most Canadians would regard a 10 years' annual subsidy of $750,000 for fast Atlantic service as a sufficient step in this direction, but, in the event of further delay with this long-talked-of project, such a proposition seems worthy of some consideration. There can be no question as to the humiliation to Canada's interests involved in the fact that, in spite of the vast sums lavished in canals and railways within the Dominion, such a preponderance of the carrying trade of the country should be so manipulated as to give the go-by to our national highways. Whether the pseudo dollar-and-cent view of this matter should outweigh the Canada first aspect of the case is possibly an open question.

As each successive season rolls on it is becoming more evident that the shipping and mercantile interests in our winter Atlantic ports are beginning to be much embittered at the turn affairs have taken in stifling their progress by diverting across the border the transportation business for which the Canadian taxpayer has bled so freely.

WILL THEY LOSE MONEY?

It frequently happens that merchants oversell lines they have in stock. There is not much danger in doing this when prices are depreciating, but, when the market conditions are the very opposite, a great deal of care needs to be exercised if loss is to be averted.

The care is not always exercised. It is a well-known fact, for instance, that some of the jobbers have already oversold harvest tools for next year's delivery, and at prices which it is alleged are below what they will have to pay, on account of the recent advance in manufacturers' figures.

PROBABLE ADVANCE IN ENAMELED WARE.

It is quite likely that before many days have elapsed an advance will take place in the price of enameled ware.

HARDWARE AND METAL knows for a certainty that the various manufacturers are considering the question of an advance in price, and retailers who desire to protect themselves should at once see that their stocks are put in good condition.

LABOR CONDITIONS IN BRITAIN.

THE condition of the British mechanic continues to improve. The Ironmonger, in commenting on the state of trade, says that from an industrial standpoint there can be no doubt that Great Britain is on the flood-tide of such national prosperity as has not been seen for many a long year.

As evidence of this it cites the figures issued by the labor department of the Board of Trade for the year 1898. This report states that upwards of 1,000,000 workpeople, exclusive of seamen, railway employes and agricultural laborers, have received advances in pay, the aggregate rise being placed at £95,000 per week, or rather more than double the increment reported the previous year.

What is still more remarkable, according to this paper, is the fact that this upward movement in wages is still manifested, as since the first of 1899 the wages of more than 1,000,000 persons have been advancing, the net rise for the first six months being £50,000.

The bulk of the increase of pay has been paid to those engaged in mining, though the metal, engineering and shipbuilding trades have come in for a good share.

In the same period there has been a reduction of 82,000 hours per week in the time of 40,000 persons.

The inference from these figures is that the shorter-hour movement is exhausting itself as in 1897, when there was a reduction of 285,000 hours per week, and that in future higher pay per hour rather than fewer hours per day will be the aim of the British workman.

GUNS AND RIFLES DEARER.

Gun and rifle makers in Belgium are asking Canadian importers higher prices by about 10 per cent. than they did for present season's goods.

Even at the advance they are not willing to book orders for next year's delivery.

A RISE IN PLATED KNIVES.

The manufacturers in Canada of plated knives are falling into line with other manufacturers who are compelled, on account of the appreciation in raw material, to advance prices, they having this week announced an advance of 25c. per dozen in their quotations on all grades.

TACKS ADVANCE 15 PER CENT.

THE tack makers have decided upon a general change in tacks, the alterations being equivalent to an advance of 12 to 15 per cent. in value. Some of the makers wanted a still greater rise, but the discounts as given below were finally decided upon. The prices go into effect from October 4, and, compared with the old scale, they are as follows :

	New scale. Per cent.	Old scale. Per cent.
Strawberry box tacks, b'k	75	75 and 10
Cheesebox " "	80 and 12½	85
Trunk tacks, black and tinned	80 and 12½	85
Carpet tacks, blued and tinned	75 and 10	80
Carpet tacks, in kegs	35	40
Cut tacks, blued, in doz. only	70 and 15	75 and 5
Cut tacks, ¼ weights	55	60
Swedes cut tacks, blued and tinned, in bulk	80	80 and 12½
Swedes cut tacks, blued and tinned, in dozens	70 and 10	75
Swedes, upholsterers, b'lk	80 and 12½	85
Swedes, brush, blued and tinned	45	50
Swedes, gimp, blued, tinned and japanned	70 and 10	75
Zinc tacks	30	30
Leather carpet tacks	55	60
Copper tacks	50	50
Nails—		
Copper nails	52½	52½
Trunk nails, black	65	70
" tinned	65 and 5	70 and 5
Clout nails, blued	65	70
" tinned	65	70 and 5
Chair nails	35	40
Cigar box nails	35	40
Patent brads	40	45
Fine finishing	40	45
Picture frame points	10	20
Lining tacks, solid head, bulk	75	75 and 12½
Copper goods (List Dec. 23, 1898)—		
Lining tacks, in papers	10	10
" in bulk	15	15
Saddle nails, in papers	10	10
" in bulk	15	15
Tufting buttons, 22 in line, doz. only	60	60
Tin coppered trunk nails	15	15
Zinc glaziers' points	5	5

Terms are four months approved credit, or 3 per cent. discount for cash in 30 days from date of shipment, and the above scale is subject to change without notice.

ADVANCE IN BUILDERS' HARDWARE

Canadian locks, escutcheons, inside door sets, front door sets, store door sets and builders' hardware generally, have been advanced in price, the discount having been reduced to 27½ per cent. It was formerly 33⅓ per cent. It is less than two months since the last advance was made.

DEATH OF MR. R. JENKINS.

Mr. R. Jenkins, of the firm of R. and T, Jenkins, so well known to the hardware trade as secretaries of the various manufacturers' associations, died at his home in Toronto on Friday, September 29.

Death came suddenly, for only the day before his demise Mr. Jenkins was at his office. Deceased had been for several years a very great sufferer from asthma, which was directly or indirectly the cause of his death.

HORSESHOES 10 TO 20C. DEARER.

Horseshoes are dearer, the manufacturers, under date of October 3, announcing an advance of 10 to 20c.

Quotations at the different f.o.b. points are now as follows :

Iron Shoes.	F.O.B. Montreal, St. John, N.B., and Halifax	F.O.B. Toronto, Hamilton, London and Guelph.	F.O.B. Montreal, St. John, N.B., and Halifax.	F.O.B. Toronto, Hamilton, London and Guelph.
	No. 2 and larger.		No. 1 and smaller.	
Light, Medium and Heavy	Per keg. $3 70	Per keg. $3 80	Per keg. $3 95	Per keg. $4 05
Snow Shoes	3 95	4 05	4 20	4 30
Steel Shoes.				
Light	4 00	4 10	4 25	4 35
Featherweight (all sizes)	5 25	5 25	5 25	5 35

ANOTHER ADVANCE IN DOOR KNOBS.

In August last, HARDWARE AND METAL published a revised list on porcelain, mineral and jet door knobs of Canadian manufacture. Now, another list has been issued which shows an advance of 10 per cent. in certain lines. The following is the new list :

Peterboro' Nos.	Gurney-Tilden Nos.		List Price
307	500	Rim, porcelain, japanned mountings	$1 10
306	501	Mortise, porcelain, japanned mountings	1 10
301	502	Rim, mineral, japanned mountings	1 10
300	503	Mortise, mineral, japanned mountings	1 10
337	504	Rim, jet, japanned mountings	1 10
336	505	Mortise, jet, japanned mountings	1 10
3507	506	Rim, porcelain, Berlin bronzed necks, ornamental roses	1 70
3506	507	Mortise, porcelain, Berlin bronzed necks, ornamental roses	1 70
3505	508	Rim, jet, Berlin bronzed necks, ornamental roses	1 70
3504	509	Mortise, jet, Berlin bronzed necks, ornamental roses	1 70
4507	510	Rim, porcelain, bronze-plated necks, ornamental roses	2 10
4506	511	Mortise, porcelain, bronze-plated necks, ornamental roses	2 10
4505	512	Rim, jet, bronze-plated necks, ornamental roses	2 10
4504	513	Mortise, jet, bronze-plated necks, ornamental roses	2 10
319	514	Rim, porcelain, nickeled-iron necks, brass roses	2 10
318	515	Mortise, porcelain, nickeled-iron necks, brass roses	2 10
339	516	Rim, jet, nickeled-iron necks, brass roses	2 10
338	517	Mortise, jet, nickeled-iron necks, brass roses	2 10
335	518	Rim, mineral, nickeled-iron necks, brass roses	2 10
334	519	Mortise, mineral, nickeled-iron necks, brass roses	2 10
2507	520	Rim, porcelain, real bronze necks, ornamental roses	3 85
2506	521	Mortise, porcelain, real bronze necks, ornamental roses	3 85
2505	522	Rim, jet, real bronze necks, ornamental roses	3 85
2504	523	Mortise, jet, real bronze necks, ornamental roses	3 85
509	524	Rim, porcelain, plain bronze neck and roses, square or round	3 85
508	525	Mortise, porcelain, plain bronze neck and roses, square or round	3 85
503	526	Rim, jet, plain bronze neck and roses, square or round	3 85
502	527	Mortise, jet, plain bronze neck and roses, square or round	3 85
507	528	Rim, porcelain, plain brass neck and roses, square or round	3 85
506	529	Mortise, porcelain, plain brass neck and roses, square or round	3 85
501	530	Rim, jet, plain brass neck and roses, square or round	3 85
500	531	Mortise, jet, plain brass neck and roses, square or round	3 85

Cases containing 12 dozen, 30c. each ; cases containing 20 dozen, 40c. each.

Terms are unchanged. Sixty days net or 3 per cent. cash discount will be allowed if paid within 30 days from date of invoice —f. o. b. Hamilton, Toronto, Montreal, Peterboro' and London.

Canadian knobs, other than porcelain, mineral and jet, are also higher, the discount being 27½ per cent. instead of 33⅓ per cent. as formerly.

CHAIN AGAIN ADVANCES.

Still another sharp advance has taken place in the price of coil chain, as will be gathered from a glance at the following table giving jobbers' quotations in Toronto :

	Old Price.	New Price.
Froof Coil, ¼-inch	$6 75	$8 00
" 5-16 "	4.75	6 00
" ⅜ "	4.30	5.25
" 7-16 "	4.15	5.00
" ½ "	3.05	4.75
" ⅝ "	3.85	4.50
" ¾ "	3.75	4.50

Iron jack chain is also higher, the discount on double and single being 35 per cent. instead of 50 per cent. On brass, double and single, the discount is unchanged at 40 per cent.

AXES AND SAW SETS DEARER.

The price of axes has been advanced 50c. per box by the Welland Vale Manufacturing Co. and the O. S. Rexford Manufacturing Co.

Bench axes are dearer, the discount having been reduced to 40 per cent.

Saw sets have been advanced 20 per cent., a notice to that effect having been served upon the wholesade trade this week.

The American Axe and Tool Co. has advanced its price on "Ideal" lath and shingle hatchets 10 per cent., the quotation to the retail trade now being $7.50 per doz.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

THE offer of James L. Richardson, general merchant, Albert, N.B., of 25c. cash on the dollar, has been accepted by his creditors.

Hebert, Fleury & Co., hardware dealers, Montreal, have assigned.

A. Beaudet, brick manufacturer, St. Jean de Chaillons, Que., has assigned.

The Hamilton Hardware Co., Limited, has compromised at 40c. on the dollar.

Fidele Poirier, general merchant, Shediac, N.B., is offering 25c. on the dollar.

John Burns & Co., manufacturers of steel ranges, etc., Montreal, have consented to assign.

Wm. F. Cochrane, general merchant, Oak River, Man., has assigned to S. A. D. Bertrand.

Assignment has been demanded of Mrs. Cyrille Baron, general merchant, Valleyfield, Que.

Wm. F. Morris, hotelkeeper and general merchant, Burt's Corner, N.B., is offering 30c. on the dollar.

The assignee of E. D. R. Phillips, general merchant, Bath, N.B., is applying for an order to continue the business.

N. Commire, Fils & Cie., founders, Montreal, have assigned, and a meeting of their creditors has been called for October 9.

James A. McInerney, coal dealer and builder, has assigned to J. H. Craig, and a meeting of his creditors has been called for October 6.

J. B. Domville, general merchant, St. Stanislas, Que., has assigned, and a meeting to appoint a curator will be held on November 10.

The meeting of the creditors of The Stacey Hardware Manufacturing Co., St. Thomas, Ont., which was called for October 3, has been adjourned to October 10.

PARTNERSHIPS FORMED AND DISSOLVED.

The Vancouver Box Co. have dissolved partnership.

J. W. Dumont and J. A. Rho have registered partnership as painters under the style of Dumont & Rho, Montreal.

Copartnership has been registered by Alex. Ross and Stephen German under the style of Ross & German, tinsmiths, etc., Yarmouth, N.S.

Copartnership has been registered by Lottie, Kate, and Martha Fades, under the style of The Canadian Broom Protector Co., Bayside, N.S.

Francois Mathieu and Alfred Bedard have registered partnership under the style of Mathieu & Bedard as manufacturers of the Driscoll sash fastener in Quebec.

F. R. Stewart and F. M. Black have registered as general partners, and Emma D. Tuthill as special partner to the extent of $20,000 from September 1, 1899, to March 1, 1903, under the style of F. R. Stewart & Co., Vancouver, B.C.

SALES MADE AND PENDING.

The stock of Alexandre Payette, tinsmith, St. Johns, Que., has been sold.

Bremner & Burgess, hardware dealers, Wallaceburg, Ont., have sold out.

S. L. Purdy, saw and flour miller, Castleton, Ont., is advertising two sawmills for sale.

The assets of L. N. Bourgeois & Co., general merchants, Danville, Que., are offered for sale.

J. J. Heaslip, hardware and implement dealer, Alameda, Man., has sold out his implement business.

A. Fleury & Sons, manufacturers of agricultural implements, Sunderland, Ont., are advertising their works and plant for sale.

CHANGES.

Joseph A. Potts, hardware dealer, Belmont, Ont., has sold out to Wm. Brown.

Alexander Barr, carriagemaker, Pembroke, Ont., has sold out to A. J. Fraser & Co.

Freeman Payzant, tinsmith, etc., has sold out to John L. Payzant, Lockeport, N.S.

F. C. Manning, general merchant, Harrow, Ont., has removed to Leamington, Ont.

Ferguson & Crofts, mining machinery, etc., Vancouver, have opened a branch at Nelson.

Joseph A. Potts, hardware dealer, Belmont, Ont., has sold out to Wm. Brown.

Camille Legault, blacksmith, etc., St. Dorothe, Que., has removed to Ste. Anne de Bellevue, Que.

D. J. Graham & Co., general merchants, Carman, Man., have been succeeded by The Carman Trading Co.

J. G. Macdonald & Co., general merchants, Duncan City, B. C., have been succeeded by J. G. Macdonald.

FIRES.

The oilery of The Fraser River Oil and Guano Syndicate, Ladners, B.C., has been damaged by fire; insured.

P. Keenan, dealer in agricultural implements, and Thos. Warian & Co., blacksmiths, Sunderland, Ont., have been burned out.

DEATHS.

S. G. Lewis, a leading general merchant, Chemainus, B.C., is dead.

N. Lambert, general merchant, St. Joseph (Beauce), Que., is dead.

T. Hamelin Laganiere, general merchant and match manufacturer, St. Anne de la Perade, Que., is dead.

SHE WANTED A MAN.

Over in the land of Jersey, says an exchange, there are many truck farmers, most of whom are women, if you will have it so. They are an industrious and penurious class, who sell their produce from house to house in neighboring towns, and are generally known as "country pedlars." The term is purely local and means the farmer who peddles his own growings, though some of them have been known to go to the markets of the city for their goods, and sell them as their own growth. One, whom we have in mind, is a woman, who works hard, is a widow and is on the scout for a husband.

The other day she met a fellow pedlar who struck her as a likely successor to the departed one. So she said to him:

"Me have $800 in de bank, have got four cows, two horses, ten pigs, five tons of hay, a house and some acres of land. I like your ways, and I wants a man to dig in de ground, carry de swill, milk de cows and peddle de farm stuffs. Would you like me enough to do that?"

The man said:

"If I am to do all that for the sake of being your husband, what is left for you to do?"

"Oh," says she, "I have got 10 children to care for."

"Good heavens!"

And negotiations stopped on the spot. The facts here stated are true, and we can put any "willing worker" in negotiation for the hand of the relict, for the man pedlar told us the story himself.

Those who doubt that there is no chance for some men in this world should read the above facts carefully and ponder thereon.

Some time ago, a "Sunlight" acetylene gas machine was installed in T. Ivory & Son's general store in Omemee, Ont., and it gave first-class satisfaction until recently, when it exploded without apparent cause. The light had not been turned on, and no fire occurred. T. C. Ivory was knocked down by the force of the explosion.—Lindsay Post.

WIRE NAILS
TACKS
WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

SMART SALESMEN.

A RECENT writer in Ironmonger says: "A friend narrated to me the following personal experience, which has rather an interesting bearing upon the question of method in effecting sales. Seeing a pair of boots in a shop window which took his fancy, my friend went into the shop, and at once tried to make it plain to the assistant who came forward to attend to him that, although he was not badly in want of a pair of boots, he was open to buy if the pair in the window fitted. As it happened, they did not fit, and my friend was about to take his departure when he found to his surprise that his own boot had vanished. The assistant did his level best to effect a sale, and even got his principal to help him, all the while failing to produce the missing footgear. Getting quite irate at last, my friend threatened to call in a policeman and give the assistant in charge for stealing a boot. This had the desired effect, but all the same he came away very much impressed with that bootseller's methods. No doubt the assistant acted in self-defence, for, had he allowed my friend to depart in peace, his principal would have called him over the coals for losing a sale. How many ironmongers' assistants would exhibit an equal amount of enthusiasm over a customer? My friend's experience reminds me of an incident I witnessed lately in an ironmongery department of a general store. Fire-brasses was being shown in the window in great variety, one set being marked a particularly low price. A lady purchaser appeared and wanted to see some 'brass fire-irons.' In the twinkling of an eye the assistant had a portion of the counter covered with green baize and a selection of brass fire-irons laid out for inspection. Of course, the decoy set were not put to the front. 'But I saw a set marked so-and-so,' said the fair customer, and at last the assistant had to produce them. He tried all he knew to sell any other set but this particular one, but the lady was obdurate and would have the decoy set. The assistant saw that he must make a supreme effort to sell other goods or a row from the shopwalker was in store for him. In vain did he try to persuade her to look round his department, not letting an opportunity slip of bringing forth some new article. All to no purpose, for the customer departed carrying away the bargain set of fire-brasses. The poor assistant looked very down-hearted, and muttered to me, 'I shall catch it, that's a certainty.' I awaited events, and, sure enough, the storm soon burst. The shopwalker had had an eye on the transaction, but perhaps had not taken note of all the persuasive means used by the assistant to do business. 'What did that lady buy? What price set? Nothing else besides? Yah! I could get a boy out of the street to do what you have done.' I did my best to put in a good word for the assistant, and perhaps with some result, for he did not get discharged on the spot, which might otherwise have happened."

A CONSCIENTIOUS PHYSICIAN

does not take greater care in compounding his medicines than we do in preparing

THE SHERWIN-WILLIAMS PAINT

We use an exact formula that gives the best proportions of Carbonate of Lead, Oxide of Zinc and Linseed Oil.

We make a thorough chemical analysis of each of these ingredients to insure purity.

We grind and mix carefully and uniformly. All our machinery was designed and made by us especially for S.-W.P. The results are certain.

We weigh accurately every gallon of the paint when the cans are filled. There can be no variation in consistency.

Each package is full measure. You get just what the label calls for.

Experts watch every detail of the working. There's no loop-hole for mistakes or inaccuracies.

THE SHERWIN-WILLIAMS CO.

PAINT AND VARNISH MAKERS.

Canadian Division: 21 St. Antoine St., Montreal.

CLEVELAND. CHICAGO. NEW YORK. MONTREAL. BOSTON. TORONTO.

THE CREDIT SYSTEM.

It is a favorite doctrine that the credit system in trade, especially in retail, is the cause of high prices and of great loss to the customers who pay cash. The other side of the question was presented recently in a casual conversation by one of the best known and most successful merchants in Eastern Canada. This gentleman was not talking for publication, but his testimony is worth publishing to show that the average buyer at the counter, in St. John at least, is pretty good pay. He says that in his line of business, given reasonable prudence in extending credit in family accounts, and proper care in collections, the losses are not serious. Less than one per cent. should cover the shortage. His own experience, so far as the retail business is concerned, was that not more than three-fifths of a cent on the dollar was lost through the failure of customers to pay. The firm in question makes no cash discount, and probably has as large a number of family accounts as any house in this end of the Dominion.—Sun, St. John, N.B.

TRIBUTE TO A LOCAL MERCHANT.

In the issue of The Dufferin Post, of September 28, a pleasing tribute is paid to E. J. Cobean, general merchant and postmaster, Camilla, Ont., and treasurer of the township of Mono, Dufferin county, Ont., who is removing to Toronto.

Mr. Cobean was born in Mono township in 1852, and received his educational and commercial training there and in Hastings, Ont., in which latter place he opened a general store in 1878. Eight years later he purchased the Camilla business which he has since conducted, and from which he is now retiring. In addition to his appointment as postmaster of Camilla and treasurer of Mono township, Mr. Cobean has been interested in many enterprises about Camilla. He has for many years been treasurer and salesman of the Camilla cheese factory, and, since their inception, has operated the telephone and telegraph offices in the village.

Being a good business man and having a kindly, genial temperament, Mr. Cobean's general business has always been large and remunerative, and it is generally believed he retires with a competence.

NEW LIST AND DISCOUNTS ON SHOEFINDERS' GOODS.

THE price list on shoefinders' goods has been entirely revised, and the discounts of the same are also rearranged all around, the net effect of the alterations being an advance of about ten per cent. The new list takes effect October 4, and compared with the list adopted on April 5 last is as follows :

Shoe Nails, etc. 15 Ge. and Heavier.	New List.	Old List.
Iron shoe nails	12	12
Soft steel shoe nails	12	12
Swede shoe nails	14	14
Zinc shoe nails	20	20
Hard shoe nails	30	30

Lighter gauges add 3c. per 100 lb. extra to list.

	2½-8	¾	3½-8	4-8	4½-8	⅝ and Heavier.	
New list..	63	35	30	27	25	23c. per lb.	Channel.
Old list...	63	35	30	27	25	23c. "	
New list..	15	14	14	13	13	13c. "	Hungarian
Old list...	15	14	14	13	13	13c. "	

New list—Hob nails, all sizes ..... 17c. per lb.
Old list— " " " ..... 17c. "
New list—Zinc shank nails, all sizes.. 25c. "
Old list— " " " ... 25c. "

MINERS' TACKS.

	⅛	3½-8	4-8 & longer.
New list.....	23	20	16c. per lb.
Old list	23	20	16c. "

SHOE TACKS.

	½	¾	1	1½oz.	
In M's.....	39	39	39	39c. per doz.	—New list.
"	39	39	39	39c. "	—Old "
Pounds	90	60	40	31c. "	—New "
" 1	10	70	40	31c. "	—Old "
	2	2½	3	4oz.	
In M's.....	48	54	58	58c. per doz.	—New list.
"	48	54	58	58c. "	—Old "
Pounds	29	27	24	24c. "	—New "
"	28	26	23	22c. "	—Old "

SHOE RIVETS.

	18	17	16	15 Ge. and Heavier.	
Steel wire ..	14	12	10	10c. per lb.	—New list.
" " ..	12	10	8	8c. "	—Old "
Brass " ..	40	35	35	35c. "	—New "
" " ..	40	35	35	35c. "	—Old "
Clinching—					
Point steel	23	19	17	17c. "	—New list.
" "	20	17	15	15c. "	—Old "
Clinching—					
Point brass	55	50	45	45c. "	—New list.
" "	55	50	45	45c. "	—Old "

All goods packed in less than 1 lb. papers 1c. per lb. extra net, except hob and Hungarian nails which are packed in ½ lb. papers without extra charge.

Terms—Four months' approved credit or 3 per cent. discount for cash in 30 days from date of shipment, and prices are subject to change without notice.

The new scale of discounts which applies to the above compared with those of April 5 is as follows :

Shoe Tacks.	New Scale. P. C.	Old Scale. P. C.
In M's	45	50
In lb. papers—		
Machine lasting tacks	45	55
Ordinary tacks	50	57½
Shoe nails, etc. 15 Ge. and heavier.		
Swedes shoe Nails	50	57½
Soft steel "	50	57½
Iron "	50	57½
Zinc "	35	35
Hard steel "	35	35
Channel "	50	50
Hungarian "	33⅓	40
Miners' tacks	30	30
Hob nails	30	30
Zinc shank nails	35	35
Steel wire shoe rivets	20	10
Brass " "	20	20
Clinch Pt. or Duck Bill— Shoe rivets	20	15

Shoe nails, 100 lb. bulk of one size (not in 1 lb. papers) 25c. per 100 lb. off face of invoice after deduction of discount.

TRADE CHAT.

THE Listowel Banner says it is understood that Malcolm McDermid, of Easthope township, Ont., intends starting a hardware store in Stratford, Ont.

The Macdonald Manufacturing Co., manufacturers of agricultural implements, Stratford, Ont., have secured a lot on Erie street, in that city, on which they intend to erect a commodious new factory next spring. Plans are being prepared for a building with upwards of 20,000 ft. of floor space.

John M. Bond, hardware dealer, Guelph, Ont., and his wife, who were on the wrecked steamer, the Scotsman, arrived safely at Queenstown on the Monterey. They lost all their effects.

John Butler, who has operated a brick and tile yard near Watford, Ont., for some years, has given up business and removed with his family to Brantford. Mr. Butler has been unable to work for some months on account of an injury, the result of an accident.

Montreal capitalists are interested in liquid air, and arrangements have been completed for a meeting in New York of those interested, when experiments will be made. The Montreal people, with competent engineers, will attend the meeting, and are negotiating with Toronto capitalists with the object of forming a large Canadian company to take over the business and apply it commercial enterprises in this country.

PERSONAL MENTION.

Mr. T. Stephens, buyer for Douglas & Co.'s hardware, Amherst, N.S., is visiting Ontario. He will take in the principal cities en route to Toronto, and will be away about two weeks.

Mr. C. S. Archibald, representing the Maritime Nail Works, has been calling on the trade in Montreal this week.

Mr. E. Perkins, secretary-treasurer of Portland Rolling Mills, is in Montreal attending the convention of nail manufacturers this week.

THANKSGIVING DAY OCTOBER 19.

The Dominion Government has fixed Thursday, October 19, as a day of thanksgiving. This is a change from holding the holiday late in November, and the business men of the country will doubtless appreciate it.

ADVANCE IN COTTON ROPE.

The manufacturers of cotton rope and clothes lines have advanced prices on an average a little over 5 per cent.

Want a Gun?

— BUY AN —

IVER JOHNSON

The IVER JOHNSON

Ejector Single Gun.
New Principle.
No Top or Side Action.

Dealers who want good reliable single guns, to be sold at moderate prices, will find the new models of the Iver Johnson, Ejector and Top Snap, just the kind for their Fall business.

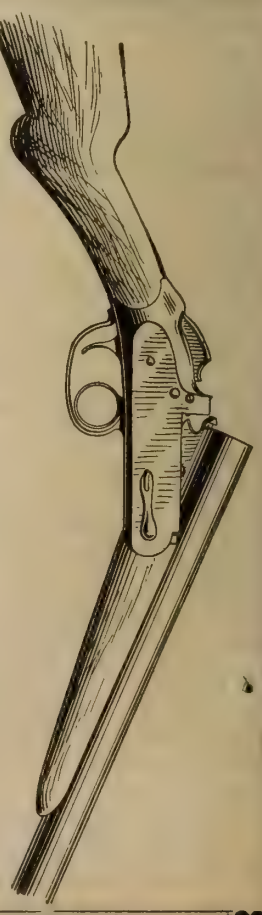
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Iver Johnson's Arms & Cycle Works

FITCHBURG, MASS.

IVER JOHNSON
Guns, Revolvers, and Bicycles
are Honest Goods at Honest Prices.

BRANCHES—
NEW YORK—99 Chambers St.
BOSTON—408 Washington St.
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H. S. HOWLAND, SONS & CO.

ONLY WHOLESALE

37-39 Front Street West, **Toronto.**

WHOLESALE ONLY

GENUINE Hard Grain **SCHULTZE** **ENGLISH** Hard Grain

SMOKELESS POWDER



Safe, Uniform, Absolutely the Best

— HARD GRAIN —

"SAFE" Schultze is consequently more efficacious, and at the same time safer to use than any other full-strength powder.

"UNIFORM" Its absolute regularity of strength and uniformity of results which are among the most important attributes of perfect Sporting Powder.

"BEST" Confidence is often half the battle, and this gives the pleasant certainty that one is using the **best** powder made.

"SCHULTZE" the Champion Sporting Powder in "America."

"SCHULTZE" the Champion Sporting Powder in "England."

"SCHULTZE" the Champion Sporting Powder in "Europe."

"SCHULTZE" the Champion Sporting Powder of the "World."

One pound of "Schultze" will load as many shells as two pounds of Best Black Powder, and will not injure or dirty the gun.

H. S. HOWLAND, SONS & CO., TORONTO

Agents for Canada.

ORDERS SOLICITED.

OUR PRICES ARE RIGHT.

Graham Wire and Cut Nails are the Best.

TRADE IN OTHER COUNTRIES THAN OUR OWN.

IMPLEMENT STEEL FOR CANADA.

THE local trade outlook for the next few months is favorable. Orders and inquiries for all descriptions of steel are steadily increasing, and there is no sign of weakness visible in any department. The activity of the domestic trade of the United States is having a beneficial effect upon Sheffield's exports. Valuable indents for steel in various sections for agricultural implements, machinery, etc., continue to come in from markets which have been the exclusive preserves of the American producer. The bulk of these orders are from Canada, but China is sending a fair share of them. This is quite a new trade, and, as the demand is said to be in advance of production in the United States, and prices of material are going up, it will probably continue for some time. There is no relief of the pressure experienced at the rolling mills. The manager of one of the largest states that if his works did not receive another order, the mills could be kept going full time for nine months on what already stands on the books. Deliveries are in arrears, however, in nearly all departments, and it is only those orders which carry a penalty clause which receive anything like prompt attention. The iron trade is strong, and the opinion is gaining ground that any substantial reduction in the price of raw material need not be looked for during the next few months. The makers of iron hoops at Rotherham are advising their customers of an advance of 10s. per ton. Makers of builders' requirements state that there is no abatement in the demand, and the pressure upon the file manufacturers indicates the continued activity of the engineering branches. A particularly good call is experienced for colliery plant.—Ironmonger.

TINPLATE FOR CANADA.

A British trade journal of Sept. 23, referring to the South Wales tinplate trade says: "The tinplate trade continues in a flourishing condition, the production of last week exceeding that of any previous week for a period of five years. Nearly 61,000 boxes were received from works, but tonnage unfortunately was very scarce, and the shipments only amounted to 33,000 boxes, leaving nearly 28,000 boxes to be added to stocks, which now stand at 165,700 boxes. A good many purchases have been made for the San Franciscan and British Columbian markets, and most of the manufacturers have orders sufficient to last them for the next three months. The oilmen, however, are still holding back. Ordinary Bessemer cokes are selling at from 15s. to 15s. 1½d., and Siemens C 10 by 20 at from 22s. 3d. to 22s. 6d. per box. Finished blackplate is from £12 to £12 5s., and Canadas from £10 to £10 5s. per ton. There is still a great scarcity of stell bars, some works, owing to want of water, not having rolled a single bar for a month. Several of the works at Briton Ferry had to damp down at the end of last week in consequence of the water from the canal again failing them, and, although there has been a partial resumption of operations at Dowlais, it is stated that work can only be continued for a short time unless there is a copious fall of rain."

BRITISH IRON FOR THE UNITED STATES.

Iron continues to attract a good deal of attention, and on Tuesday one house alone took about 12,000 tons of Scotch, nearly all of which was spot. An important factor continues to be the position taken up by Americans. Further purchases of hematite have been made for shipment to the United States, one order executed having been for 4,000 tons, whilst several smaller lines have been put through, which must raise the total already taken on this account to getting on for 25,000 tons. At the same time, we know of one inquiry which is in the market for 10,000 tons, and this, together with other small inquiries, will probably raise the total amount which is now being looked after to from 15,000 to 20,000 tons. The advance which has taken place in hoop iron is said to have been stimulated by the receipt of an inquiry for 5,000 tons for America.—Ironmonger, September 23.

A SURPRISE IN TIN.

Old previous surprises in this market were eclipsed yesterday. At the opening of business London cables quoted £149 10s. officially, and £150 privately, for prompt delivery; and there were bids in the New York market of 32.85c. for store stock, which were turned down, with very little trade diplomacy. In fact, the surface indications were plainer than they have been heretofore, that some interest in London is badly squeezed on contracts expiring this month, and that the large stock of tin in New York is so well under control that local "shorts" are more than slightly nervous. The most confident "bulls" on the market admit that the consumption will likely be restricted, temporarily at least, by the unusually high cost of the metal, but that substitutes have been found that might be useful in quarters where the consumption is heaviest, seems very doubtful. In short, it looked very much as though the time (the present) that the bears have looked for to produce a slaughter of tin was miscalculated. In the afternoon London cabled a slight reaction on spot tin, at the same time quoting futures unchanged. Some business was effected at 32.80 to 32.85c., ex store, and 32.75c., ex vessel, near the close. Bids were made of 32.65c. for first half of October delivery, without result.—New York Journal of Commerce, September 27.

IRON SCARCE IN GERMANY.

The scarcity of iron and steel in Germany and the pretensions of the union of manufacturers of these commodities to control the trade in them are raising questions of great moment affecting the national commercial policy. So great has been the demand for manufactured iron and steel for a long time past that it has outrun enormously the productive capacity. Only 38 per cent. of the whole of the requirements of the customers of the Union during the first half of 1900 can be satisfied. The latter, consequently, are compelled to seek elsewhere for the remaining 62 per cent. which they need. But it is a condition of their contracts with the members of the combination that they are not to obtain supplies from any outside source. They are, therefore, threatened with a refusal to deliver, and with the cancelment of the contracts if the condition be violated. This threat, together with the loss of employment which must necessarily ensue in engineering and other kindred works if the requisite quantity of iron and steel cannot be secured, has induced even protectionists in Germany to advocate the temporary abolition of the duties on imported foreign material.—Iron and Steel Trades Journal.

WINTER & CO.'S NEW STORE.

Winter & Co., of Moncton, N B., have recently moved into their new and handsome premises in the Albion Block. This firm has been established in Moncton since 1875, just 24 years, the business being founded by J. and S. Winter, who conducted the stoves and tinware, and F. Winter looked after the hardware and paints. When they decided to move into new premises the firm name was changed to Winter & Co. F. Winter, as well as J. and S., now compose the new company.

They have a fine store 80 x 30, fitted with latest improvements in way of glass cases on walls and counters. It is safe to say that this is one of the best, neatest and most improved hardware stores in New Brunswick.

Irwin & Calcott, brass founders and finishers, London, Ont., are asking inducements from the St. Thomas Council to remove to that city. They now employ 15 to 20 hands.



EMERY

Cloth and Paper.
Glass and Flint Paper.
"Atlas" Brand

"FLORA" Knife Polish, in 3d., 6d. and 1/ tins

Ground, Washed and Flour.

WHEELS of highest quality for general and special purposes.



EMERY GRINDING MACHINERY

Write for Latest Catalogues and Samples to

THE LONDON EMERY WORKS CO., 10-12 Vine Street Clerkenwell, LONDON, E.C.

Agent in Canada—MR. T. L. PATON, 30 St. Francois Xavier Street, Montreal, P. O. Box 903.

Standard Steel Toe Calks

Sizes of Blunt:



WRITE FOR DISCOUNTS.



Sizes of Sharp Calks below for Fall of 1899:

No.	Length.	Size.	No.	Length.	Size.
0	1½ inch	3/8 x 5/16	4	2¼ inch	3/4 x 3/8
1	1½ "	1/2 x 5/16	5	2¼ "	3/4 x 3/8
2	1¾ "	9/16 x 3/8	6	2¾ "	7/8 x 7/16
3	2 "	5/8 x 3/8	7	3 "	7/8 x 7/16

Price, $1.25 per box of 25 lbs. in bulk.
Or 24 lbs. in 4-lb. packages.

No.	Length.	Size.	No.	Length.	Size.
0	1½ inch	9/16 x 3/8	4	2½ inch	3/4 x 1/2
1	1¾ "	9/16 x 3/8	5	2¾ "	15/16 x 9/16
2	2 "	11/16 x 7/16	6	3 "	15/16 x 9/16
3	2¼ "	3/4 x 1/2			

Price, $1 50 per box of 25 lbs. in bulk.
Or 24 lbs. in 4-lb. packages.

JAMES PENDER & CO., Limited, Sole Mfrs. **Saint John, N. B., Canada.**

MANITOBA MARKETS.

WINNIPEG, October 3, 1899.

SOME sharp additional advances are noted for the week. Cut nails, as anticipated, have gone up 25c. per keg. Bar iron has advanced 10c. per 100 lb., and sheet boiler plates have advanced $1.25. The demand for all lines of heavy hardware is increasing, and prices are very firm.

The price list, revised to date; is as follows:

Barbed wire, 100 lb	$3 75
Plain twist	3 75
Staples	4 25
Oiled annealed wire, 10	3 72
" 11	3 79
" 12	3 85
" 13	4 00
" 14	4 12
" 15	4 20
Wire nails, 30 to 60 dy, keg	3 80
" 16 and 20	3 85
" 10	3 90
" 8	3 95
" 6	4 10
" 4	4 15
" 3	4 20
Cut nails, 30 to 60 dy.	3 00
" 20 to 40	3 05
" 10 to 16	3 10
" 8	3 15
" 6	3 20
" 4	3 50
" 3	3 75
" 3 fine	4 05
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to N 10	4 25
No. 2 and larger	4 00
Snow shoes, No. 0 to No. 1	4 70
No. 2 and larger	4 40
Steel, No. 0 to No. 1	4 70
No. 2 and larger	4 45
Extra light	4 65
Bar and band iron, $2.90 basis.	
Swedish iron, $5 basis.	
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 12 gauge, 100 lb.	3 25
14 to 26 gauge	3 50
28 gauge	3 75
Galvanized American, 16 gauge	4 25
18 to 22 gauge	4 50
24 gauge	4 75
26 gauge	5 00
28 gauge	5 25
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 55
26 gauge	8 80
28 gauge	8 00
Tinplate, IC charcoal, 20 x 28, box	10 50
" IX "	12 50
" IXX "	14 50
Ingot tin	38
Canada plate, 18 x 21 and 18 x 24	3 35
Sheet zinc, cask lots, 100 lb	9 00
Broken lots	9 50
Pig lead, 100 lb	4 50
Wrought pipe, black up to 2 inch	50 p.c.
" Over 2 inch	50 p.c.
Rope, sisal, 7-16 and larger	12 50
" ⅜	13 00
" ¼ and 5-16	13 50
Manila, 7-16 and larger	15 00
" ⅜	15 50
" ¼ and 5-16	16 00
Solder	22
Cotton rope, all sizes, lb.	15
Axes, per box	$6.00 to 8 00
Screws, flat head, iron, bright..75, 10 and 7½	p.c.
Round " "	70 and 10 p.c.
Flat " brass	70 and 10 p.c.
Round " "	65 p.c.
Bolts, carriage 5-16 and smaller	47½ p.c.
⅜ and larger	42½ p.c.
Machine	47½ p.c.
Tire	50 and 10 p.c.
Sleigh shoe	65 p.c.
Rivets, iron	37½ p.c.
Copper, No. 8, lb	33⅓c.
Spades and shovels	40 p.c.
Harvest tools	60 p.c.
Axe handles, turned, s. g. hickory, doz	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 65
No. 1	1 25
Linseed oil, raw, per gal	61
" boiled "	64
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	40 p.c.
C.F. pistol	10 p.c.
C.F. military	Net.
Loaded shells, Robin Hood, M	$20 00
Eley's soft, 12 gauge	15 00
chilled, 12 guage	16 50
soft, 10 guage	20 00
chilled, 10 guage	21 00
American, M	16 25
Shot, Ordinary, per 100 lb	5 25
Chilled	6 00
Powder, F.F., keg	4 75
F.F.G.	5 00
Robin Hood	10 00
Tinware, pressed, retinned	70 and 2½ p.c.
" " plain	70 and 15 p.c.
Graniteware, according to quality	60 p.c.
Turpentine, by barrel	83c.
Less than barrel	88c.

Mr. R. M. Fulton, hardware merchant, Sackville, N.B., has decided, after a visit to Sydney, to sell out his business. He has a well-assorted stock, the bulk of his goods having been purchased before the advances took place. This will give any enterprising young man an excellent opportunity, as the investment would be a good one, considering the hardware and metal market of to-day and six months ago. Mr. Fulton will be greatly missed by the citizens of Sackville, as he is a prominent man of the town.

MARKETS AND MARKET NOTES.

QUEBEC MARKETS.

MONTREAL, October 6, 1899.

HARDWARE.

THE quarterly meetings of the makers' associations are now being held here, and so far some important advances have already been made, while others are expected to follow before the deliberations are concluded. Up to this writing the changes have comprised an advance of 25c. per keg in the base price of cut nails, 20c. in iron, 10c. in steel shoes and 5 per cent. in screws. Demand generally is brisk for all kinds of material, buyers being in many cases quite urgent, but sellers are filling orders very cautiously.

BARBED WIRE—There is a moderate trade in this article, and prices are firmer at $3.25 here.

SMOOTH STEEL WIRE — A fair volume of trade is noted, and prices are firm at $3.35 for Nos. 6 to 9.

GALVANIZED WIRE—A moderate demand is noted. We quote: No. 9, $3.15; No. 12, $3.30; No. 13, $3.45; No. 15, $5.15, and No. 16, $5.30.

FINE STEEL WIRE—Firm and unchanged at 12½ per cent.

BRASS AND COPPER WIRE—A fair volume of orders is noted, and prices are steady at 50 and 2½ per cent. on brass and 45 and 10 per cent. on copper.

FENCE STAPLES—These are firm, with a fair inquiry since the advance. We quote: Galvanized $4.15 and bright $3.55 base.

FINE STAPLES—These are also stiff. Discounts are as follows: Cooper, 55; poultry netting, 45, and electrician, broom, bed, etc., 40 per cent. off.

CUT NAILS—There has been an advance of 25c. per keg in the base price of cut nails, which is now $2.50 per keg at the usual delivery points, less the usual 5c.

WIRE NAILS—While no further change is to note, a further advance is quite likely, and buyers evidently appreciate the fact, for they seem anxious to place orders. We quote $3.25 f.o.b. Montreal, with carlots at $3.17½ per keg. Miscellaneous nails, 72½ off list.

COPPER WIRE NAILS—There is a fair trade doing, and prices are steady at 50 per cent. discount.

FLOUR BARREL NAILS—Unchanged at 30 per cent. discount off flour barrel, and 35 per cent. off coopers' nails.

BOAT NAILS — Black and galvanized as last reported, at 33⅓.

GALVANIZED ROOFING NAILS—Quiet and steady at 8c. per lb., with 15 per cent. discount.

PRESSED SPIKES — Unchanged at 30 per cent. discount.

HORSE NAILS — Business is fair and prices are firm at 50 per cent. discount on standard and 50 and 20 on Acadia.

HORSESHOES — Iron shoes have been advanced 20c. and steel shoes 10c. all around. We quote as follows: Iron shoes, light and medium pattern, No. 2 and larger $3.70; No. 1 and smaller, $3.95; snow shoes, No. 2 and larger, $3.95; No. 1 and smaller, $4.20; X L steel shoes, new light pattern, No. 2 and larger, $4.00; No. 1 and smaller, $4.25; featherweight, all sizes, Nos. 0 to 4, $5.25; and toe weight steel shoes, all forward, all



One Size, No. 30.
Circumference of Wick, 10 inches.
Capacity of Oil-Tank, ¾ gallon.
Height over all, 32 inches.
List Price, each, $9.10.

HEAT WITHOUT LABOR

ALUMINUM
COAL
OIL
HEATER

FOR COAL OIL ONLY.

Every part made of Sheet Metal.
No Castings to Crack.

Produces a Round Flame

Of great heating power, **without smoke or smell.**

The top cover can be removed for the boiling of water, etc.

The planished steel body, with aluminized trimmings and nickelled urn, make it an ornament, and in keeping with the best furnished room or office.

During the Fall Nights

They save lighting the furnace or grates.

Base Burners Need Not be Put Up

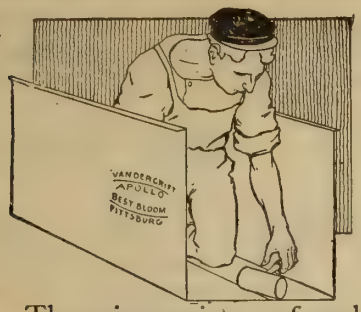
Till winter sets in, and can be taken down earlier in spring when an "Aluminum" is used, making a **saving on the coal bill.**

On Extremely Cold Nights

They will assist your furnace, and can safely be used in a cellar or kitchen to **prevent the water pipes from freezing.**

For the heating of a bed-room, parlor, dining-room, office, barber shop, etc., they cannot be excelled.

For Prompt Shipment Order from McClary's. THE McCLARY MFG. CO., LONDON, TORONTO, MONTREAL, WINNIPEG VANCOUVER.



There is no virtue of galvanized iron, not found in Apollo; there is no fault, not found in the common makes.

Apollo Iron and Steel Company, Pittsburgh.

Cements { PORTLAND, ROMAN, KEENE'S

Bricks . . { FIRE, BUILDING, PAVING

Sand . . . { SILICA FIRE, MOULDING, BUILDING

F. HYDE & CO.

31 Wellington street, MONTREAL

English Castor Oil

GUARANTEED PURE.

Pharmaceutical, Tasteless, Cold Drawn
First Pressure
Second Pressure

In cases of 2 tins and in barrels. Stocked by all Hardware, Oil and Color men.

The Hull Oil Manufacturing Co.

LIMITED

B. & S.H. THOMPSON & CO.

Agents for Canada - MONTREAL

CANADA IRON FURNACE CO., Limited

Manufacturers of

CHARCOAL PIG IRON

MONTREAL.

BRAND "C.I.F." THREE RIVERS

PLANTS AT

Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.

Geo. E. Drummond,

Managing-Director and Treasurer

sizes $6.35 f.o.b. Montreal, St. John, N.B., and Halifax, N.S. Delivered f.o.b. in Toronto, Hamilton, London and Guelph 10c. per 100 lb. extra.

SCREWS—There has been an advance of 5 per cent. in screws all around. Discounts now are: Flat head, bright, 80 per cent; round head do., 75; flat head, brass, 75; round head do., 67½.

BOLTS—Fairly active and steady. Discounts are: Carriage bolts, 5-16 and smaller, 55 per cent.; ⅜ and up, 50 per cent.; full square bolts, 65 per cent.; machine bolts, 55 per cent.; coach screw bolts, 67½ per cent., and sleighshoe bolts, 72½ per cent.

NUTS AND WASHERS—Are firmly held at the rise. We quote: Square, 3¾c. and hexagon 4¼c. per lb. Washers in 50-lb. boxes are 35 to 40 per cent. discount.

CORDAGE—Demand is good and prices are firm at the late advance. We quote as follows: Manila 7-16 and up, 15c.; ⅜, 15½c., and ¼ and 5-16, 16½c. Sisal, 12½c. for 7-16 and up; 13c. for ⅜, and 14c. for ¼ and 5-16.

BUILDING PAPER—There is a fair inquiry for this material. We quote: Plain building, 28c.; tarred lining, 35c.; tarred roofing, $1.40, and carpet felt, $2.25.

RIVETS — In fair request. Discounts are: Black and tinned, 45 per cent.; ditto burrs, 40 per cent.; copper rivets and burrs, 35 per cent.

CEMENT—Unchanged. We quote: Belgian, $1.90 to $2.10; English, $2.30 to $2.40, and German, $2.45 to $2.65, per cask ex wharf.

FIREBRICKS—Fairly active and steady at $17 to $23 per 1,000, as to brand.

METALS.

The buoyant tendency of all heavy iron and metals gives no indications of abatement. Sharp advances in pig iron, steel, ingot tin and iron pipe have been the leading features of the week.

PIG IRON—There has been a sharp rise in the price of Scotch pig iron, the inside figure now for Summerlee and equal brands being $27 ex wharf. This is a rise of $1.50 to $2 per ton on the price that prevailed a week ago.

BAR IRON—An active inquiry is experienced and prices are strongly held at the rise, $2.30, in jobbing lots, with carloads firm at $2.25.

BLACK SHEETS — Stiff, with stocks here light. We quote: 8 and 15, $2.60; 18 and 20, $2.30; 22 and 24, $2.50; 26, $2.60, and 28, $2.65.

STEEL—Values on this material continue upward, a further appreciation being noted this week, and we quote: Sleighshoe, $2.80; tire, $2.85; spring, $3.10; machinery, $3.60, and toe calk, $3.30.

GALVANIZED IRON — Strong, under light

ALL-POLISHED CANADA PLATES

Ask your jobber for

"Dominion Crown" Brand

the best on the market.

A. C. LESLIE & CO.

Agents, MONTREAL.

ADAM HOPE & CO.

30 JOHN STREET N.

Hamilton, Ont.

PIG TIN

175 TONS "STRAITS" AND "PENANG"

now landing at NEW YORK, per S.S. "Yangtsze" and "Indrapura."

PROMPT SHIPMENT.

Write or telegraph for quotations.

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

BUSINESS NEWS

of any kind that is of value to business men supplied by our Bureau. We can give you market quotations from any town in Canada, reports from the city markets, stock quotations, etc. You can get commercial news from any Canadian paper through us.

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stocks and a brisk inquiry at $4.85 for case lots of No. 28, and $4.35 to $4.50 for No. 24.

INGOT COPPER—Steady and unchanged at 19½c. to 20c.

INGOT TIN — Strongly held and spot prices are stonger at 37 to 38c.

PIG LEAD—There is a fair trade noted, and values are firm at $4.25.

LEAD PIPE—Easy. We quote: Ordinary, 7c., and composition waste, 7½c., with 20 per cent. discount.

IRON PIPE—There has been an advance by some jobbers here of all the way from 10 to 68c. in black pipe, but others still maintain the old basis, so that we continue the minimum prices. We quote as follows: Black pipe, ⅛-inch, $3.41; ¼ and ⅜-inch, $3.30; ½-inch, $3.41; ¾-inch, $3.83; 1-inch, $5.51; 1¼-inch, $7.24; 1½-inch, $9.08 and 2-inch, $12.07 per 100 feet net. Galvanized, ¼-inch, $3.62; ⅜-inch, $4.18; ½-inch, $6.24; ¾-inch, $7.96; 1-inch, $11.24; 1¼-inch, $15.92; 1½-inch, $19.90; 2-inch, $25.97; 2½-inch, $33 93, and 3-inch, $46.76.

TINPLATES—There is an active trade in these, and prices are firmly held. We quote: Coke, I.C., $4.40; charcoal, I.C., Allaway or Comet brands, $4.80; do. I.X., $5.05; Lincoln, $5; P. D. Crown, $5.30; do. I.X., $5.80; Bradley's, $6.25.

CANADA PLATES — Steady, with an upward tendency. We quote as follows: 52's, $2.60; 60's, $2.70; 75's, $2.80; full polished, $3.25; galvanized Canada plates, $4.55 for 52's.

TERNE PLATE—Quiet but firm at $7.50.

SWEDISH IRON—Strongly held at $3.50 base.

COIL CHAIN—In good demand and stiff. We quote: No. 6, 11c.; No. 5, 9½c.; No. 4, 8½c.; No. 3, 7½c.; ¼-inch, $6.25; 5-16, $5; ⅜, $4.50; 7-16, $4.35; ½, $4.25; 9-16, $4.20; ⅝, $4.10; ¾, $3.90; ⅞ and 1 inch, $3.80.

SHEET ZINC—Quiet at 7½c. to 7¾c.

ANTIMONY—Strong at 11 to 12c.

SPELTER—As last quoted, $6.50.

GLASS.

There is a fair demand, but business is of small volume, because stocks are so light. We quote as follows: First break, $1.90; second, $2 for 50 feet; first break, 100 feet, $3.60; second, $3.80; third, $4.25; fourth, $4.50; fifth, $5; sixth, $5.50, and seventh, $6.

PAINTS AND OILS.

There is an active business doing in all lines. Turpentine has been marked up 2c. and linseed oil 1c. Leads are strong in tone, and an advance is quite likely in the near future.

WHITE LEAD—Best brands, Government standard, $6.00; No. 1, $5.62½; No. 2, $5.25; No. 3, $4.87½.

DRY WHITE LEAD—$4.75 in casks; kegs, $5.

RED LEAD—Firm; casks, $4.50; in kegs, $4.75.

WHITE ZINC PAINT—Pure, dry, 8c.; No. 1, 6½c.; in oil, pure, 9c.; No. 1, 7½c.

PUTTY –We quote: Bulk, $1.65; bladders, in bbls., $1.80; bladders, in cases, $1.95; in tins, $2.05 to $2.30.

LINSEED OIL — Raw, 58c.; boiled, 61c., five to nine-barrels, 1c. less, ten and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—Single barrels, 75c.; two to four barrels, 74c.; five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Firm; $1.10 to $1.30 per gallon.

CASTOR OIL—Firm; 7½ to 8c.

SEAL OIL—35c.

COD OIL—32½ to 35c.

NAVAL STORES—Fair demand for all lines, and prices show no change: Resins, $2.75 to $4.50, as to brand; coal tar, $3 to $3.50; cotton waste, 4½ to 5½c. for colored, and 6 to 7½c. for white; oakum, 5½ to 6½c., and cotton oakum, 9 to 11c.

PETROLEUM.

The market is strong, and, while no quotable change is yet reported, another advance of ½c. is anticipated within the next few days.

HIDES.

Lambskins have advanced 10c. each, to 65c. We quote: Beef, 7½ to 9½c., as to grade.

COAL.

Trade is active at firm prices. We quote: Stove, $5.75; chestnut, $5.75; egg, $5.50; Scotch grate, $6; Scotch steam, $4 to $4.50; Tower ports steam, $3.50 to $3.75.

MONTREAL NOTES.

Screws are 5 per cent. higher all round.

Iron horseshoes are 20c. and steel shoes 10c. per keg higher.

Both turpentine and linseed continue strong and upwards.

An advance of ½c. per gal. in the price of petroleum is predicted.

Lamb and Flag tin are held firmer, none being obtainable under 38c.

There has been a jump of 25c. per keg in the base price of cut nails.

There has been a rise of $1.50 to $2 per ton in the price of Scotch pig iron.

There has been an advance in sleighshoe tire and spring steel on last week's basis.

Some dealers have advanced black iron pipe, but others still quote last week's figures.

OAKEY'S 'WELLINGTON' KNIFE POLISH
The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
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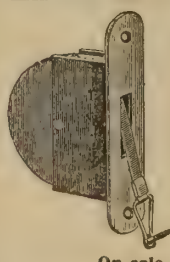

COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps, Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS
BALL BEARINGS

Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA

COATES' CLIPPERS

HAND AND POWER, easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel, and will not heat. 1899 catalogue ready.
Coates Clipper Mfg. Co.
WORCESTER, MASS.


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Makers of the
"Pullman" Hardware Specialties
Main Office and Works,
Rochester, N.Y., U.S.A.
On sale all round the globe.

Size, ⅜-inch.

Cheapest IN THE WORLD.
J. M. LITCHFIELD
458 Quincy St., Brooklyn, N.Y.

THE ABBEY IMPROVED CHILLED SHOT COMPANY, LIMITED, Newcastle-on-Tyne
All England Championship Cup, value £100, also stake £100, in all £200, on 7th December, 1898, the winner fired with our shot and writes us: "You will be pleased to hear I won the All England Championship Cup. **I fired with your chilled shot.** Indeed, I would not use any other, as I know from experience it makes the best patterns and kills best."

John Bowman Hardware & Coal Co.,

LONDON, ONT.

Our Fall stock is now complete and we can supply at the best figures, **AXES, SAWS, LANTERNS, CORDAGE, CHAIN, WINDOW GLASS, PAINTS, OILS,** etc. Our importation of **CUTLERY, SKATES, ENGLISH GUNS, SHOT SHELLS, BLACK and SMOKELESS POWDER, SHOT, WADDING,** etc., now in.

Our Motto: Prompt Shipment, Right Prices.

ONTARIO MARKETS

TORONTO, October 6, 1899.

HARDWARE.

THE past week has again been one of many changes. Wood screws are 5 per cent. higher; cut nails are 10 per cent. dearer; horseshoes show an advance of 10 to 20c. per keg; coil and iron jack chain have been marked up; so have saw sets, doorknobs and some lines of axes. Tacks and shoe finders' supplies are also dearer. Canadian plated knives are 25c. per dozen dearer. Trade is still active. Galvanized wire is in good demand, and a fair trade is being done in hay-baling wire. A good business is still being done in wire nails. Cut nails are meeting with just a moderate demand. A good business is still being done in horseshoes and horse nails. Screws, bolts, rivets and burrs continue in active request. Enameled ware and tinware are going out well. In stoves and furnaces the demand still exceeds the supply.

BARBED WIRE — Is still an uninteresting factor on this market. The nominal quotation is still $3.25 per 100 lb. f.o.b. Toronto, but the price in Pittsburg is $3.65.

SMOOTH STEEL WIRE — There is practically nothing doing in oiled and annealed, but in hay-baling wire there is some business being done. The base price is unchanged at $3.35 f.o.b. factory.

GALVANIZED WIRE—A fairly good business is being done this week in this line at unchanged prices. We quote: Nos. 6, 7, 8 gauge, $3.60; No. 9, $3.10; No. 10, $3.70; No. 11, $3.75; No. 12, $3.20; No. 13, $3.45; No. 14, $4.10; No. 15, $4.70; No. 16, $4.85.

WIRE NAILS—There has been no further change in prices, but one may be expected any day. The base price is still $3.22½ per keg in carlots and $3.30 for less quantities.

CUT NAILS—There has been an advance of 25c. per keg in the price of these, the base figure now being $2.50 f.o.b. Toronto, Montreal, Hamilton and London.

HORSE NAILS—Trade is fairly active at unchanged prices. We quote: Standard, oval head, 50 per cent.; Acadia countersunk head, 50 and 20 per cent.

HORSESHOES — These have been advanced 10 to 20c. per keg. We quote f.o.b. Toronto, Hamilton, London and Guelph as follows: No. 2 and larger, light, medium and heavy iron shoes, $3.80; snow shoes, $4.05; light steel shoes, $4.10; featherweight shoes, all sizes, $5.35. No. 1 and smaller, light, medium and heavy iron shoes, $4.05 per keg; iron snow shoes, $4.30; light steel shoes, $4.35; featherweight steel shoes, all sizes, $5.35.

SCREWS — Prices have been advanced 5 per cent. The demand is still brisk. We quote as follow: Flat head bright, 80 and 5 per cent. off the list; round head bright, 75 and 5 per cent.; flat head brass, 75 and 5 per cent.; round head brass, 67½ and 5 per cent.; flat head bronze, 67½ and 5 per cent.; round head bronze, 62½ and 5 per cent.

BOLTS—Business is still good. We quote: Norway bolts, full square, 65 per cent.; common carriage bolts, 5-16 and under, 55 per cent.; ditto, ⅜ and larger, 50 per cent.; ditto, full square, 65 per cent.; machine bolts, all sizes, 55 per cent.; coach screws, 67½ per cent.; sleighshoe bolts, 72½ per cent.; blank bolts, 55 per cent.; bolt ends, 62½ per cent.; nuts, square, 3¾c.; nuts, hexagon, 4¼c.; tapping nuts, 60 per cent.; tire bolts, 60 and 10 per cent.; stove bolts, 60 and 10 per cent.

ROPE—Business is still reasonably quiet. We quote as follows: Sisal, 7-16 in. and larger, 12½c. per lb.; ⅜ in., 13c.; ¼ and 5-16 in., 13½c. Manila, 7-16 in. and larger, 15c. per lb.; ⅜ in., 15½c.; ¼ and 5-16 in., 16c.; New Zealand, 11c. per lb.; Deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 10c. Clotheslines, 48 feet, 90c.; 60 feet, $1.20; 72 feet, $1.50; 100 feet, $2.

RIVETS AND BURRS—Trade is still good, but without any new features. We quote: Carriage section, wagon box, rivets, etc. (steel), 60 per cent. off the list; ditto (Norway iron), 60 per cent.; black M rivets (steel), 55 per cent.; ditto (Norway iron), 45 per cent.; iron burrs, 40 per cent.; copper rivets, 35 per cent.; bifurcated, with box, $1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

CHURNS—Trade is fairly brisk in this line. We quote: Metal frame—No. 0, $3; No. 1, $3.20; No. 2, $3.40; No. 3, $3.75; No. 4, $4.50; No. 5, $5.90. The price of wooden frames is 15c. per churn less than the above. Terms, 3 per cent. off 30 days f.o.b. Toronto.

WRINGERS — The demand is seasonably good. We quote: "Leader," $60 per doz.; "Royal Canadian," $58; "Royal American," $48. Prices are all f. o. b. Toronto, Hamilton, Brockville, and Montreal. Discount, 45 per cent. Terms, four months, or 3 per cent. 30 days.

BUILDING PAPER — Trade keeps fairly good. We quote as follows: Plain building, 28c. per roll; tarred lining, 35c., according to quality; tarred roofing felt, $1.40 per 100 lb.; carpet felt, $2.25 per 100 lb.

FELT WEATHER STRIP — Trade is fair with prices slightly higher than last year. Discount 70 per cent.

WARE — An advance in enameled ware is likely to take place within the next few days. The demand is good for enameled ware, particularly lines pertaining to stove furniture. There is also quite a movement in tinware, more particularly in such lines as oil cans, coal hods, fire shovels, and stove boards.

STOVES, AND FURNACES.—The demand still exceeds the ability of the manufacturers to supply. One large manufacturer told HARDWARE AND METAL that his firm cannot off-hand fill scarcely one-fifth of the orders which are coming in for heaters. Discounts: Stoves and ranges, 45 and 5 per cent.; furnaces, 40 and 5 per cent.; registers, 60 per cent.

CUTLERY—The feature of the cutlery trade this week is an advance of 25c. per dozen in the price of plated knives of Canadian manufacture. The demand for cutlery is good.

HARVEST TOOLS—A good many orders are being booked for spring delivery, the retail trade evidently feeling that, in the present condition of the market, the safest plan is to place their orders. The discount is 50, 10, and 5 for quantities and 50 and 10 for small lots.

SPADES AND SHOVELS, ETC.—The usual fall assorting trade is being done in spades, shovels, scoops, and snow shovels. Discount on spades, shovels, and scoops, 40 and 5 per cent. The price of steel snow shovels is $3.10 per dozen.

CEMENT—There is a good movement, with prices stiff, but unchanged. We quote as follows in barrel lots: Canadian Portland, $2.65 to $2.90; English do., $3; Canadian hydraulic cements, $1 to $1.10; calcined plaster, $1.90; asbestos cement, $2.50 per bbl.

METALS.

Trade is fairly good and the tendency of prices is still upward.

PIG IRON—The market is as strong as ever, with the demand good. Hamilton iron is quoted at $23 at the furnace for No. 1, and for Tonawanda iron at the furnace, $22.50 is the idea.

BAR IRON—The demand is active, and prices firm at $2.35 to $2.45 base.

BLACK SHEETS—The demand continues active, and prices firm and unchanged. We quote 28 gauge at $3.25.

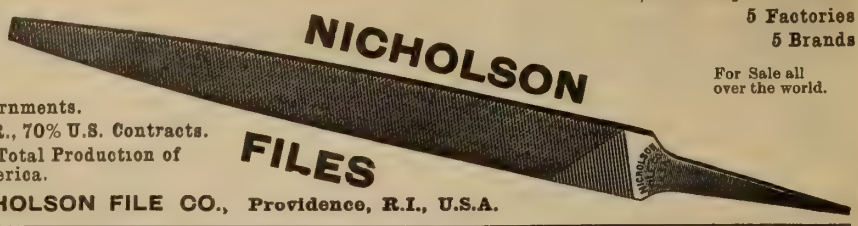
GALVANIZED IRON—This is still going out freely. The ruling price for 28 gauge for British is $5 and for United States iron $4.90.

COPPER—The demand is good both for ingot and sheet copper. We quote: Ingot copper, 20 to 21c. per lb., and sheet, 23 to 23½c. per lb.

PIG TIN—There is not much doing. What orders are being placed are small, buyers being still reluctant to place orders at present high figures. The price is still 37c. per lb. The outside markets fell off a few days ago, but since then prices have again advanced. A Toronto importer who was a buyer a few days ago could get nothing at less than 33c. f.o.b. New York in carlots.

CANADA PLATES—Trade is brisk and prices firm. All-bright are quoted at $3.25; half-polished at $2.85, and all dull at $2.75.

76,800 Daily Production
5 Factories
5 Brands
For Sale all over the world.



16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of America.

NICHOLSON FILE CO., Providence, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited. Established 1773.

Manufacturers of **Polished, Silvered, Bevelled Chequered, and Rough Plate Glass.** Also of a durable, highly-polished material called **"MARBLETTE,"** suitable for Advertising Tablets, Signs, Facias, Direction Plates, Clock Faces, Mural Tablets, Tombstones, etc. This is supplied plain, embossed, or with incised gilt letters. **Benders, Embossers, Brilliant Cutters, etc., etc.** Estimates and Designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow 12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glass, St. Helens." Telephone No. 68 St Helens.

TINPLATES—Trade is decidedly good, with prices firm. Tinned sheets are quiet.

IRON PIPE—Although the manufacturers of iron pipe have withdrawn prices this week, the following are still jobbers' quotations: ¼ to ⅜ inch, $3.60; ½ inch, $3.70; ¾ inch, $4.70; 1 inch, $5.90; 1¼ inch, $7.85; 1½ inch, $9.97; 2 inch, $13; 2½ to 6 inch, discount off the list 50 per cent. Galvanized pipe is quoted as follows: ½ inch, $6.50; ¾ inch, $8; 1 inch, $11.50; 1¼ inch, $16; 1½ inch, $20; 2 inch, $28.50.

PIG LEAD—Higher prices are cabled from London, but, locally, prices are as before, namely, 4¼ to 4½c. per lb.

LEAD PIPE—Business is still fair. We quote: Ordinary pipe, 7c.; waste, 7½c. Discount, 20 per cent.

RANGE BOILERS—A fair number are going out. We quote: Galvanized, 30 gals., $9; 35 gal., $10; 40 gal., $11. Copper, 30 gal., $22; 35 gal., $26; 40 gal., $30; discount off copper boilers, 10 per cent.

SHEET ZINC—Trade continues good at 8 to 8¼c. per lb.

SPELTER—Is still quiet and featureless at 7½ to 7¾c. per lb.

SOLDER—The demand is still good in this line. We quote: 21 to 22c. for half-and-half; 20½ to 21½c. for refined, and 20 to 20½c. for wiping.

PAINTS AND OILS.

Jobbers state that September trade was the largest in years. The demand continues to keep up better than usual at this season. White lead is exciting most interest at present. The association is expected to meet shortly, when the probability is in favor of an advance. Linseed oil is also firm. Turpentine is steady and unchanged. A general firmness in other materials is noted. The price of varnishes is well maintained at the advances mentioned last week. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $6.12½; No. 1, $5.75; No. 2, $5.37½; No. 3, $5; No. 4, $4.62½; dry white lead in casks, $5.10.

RED LEAD—Genuine, in casks of 560 lb., $5.00; ditto, in kegs of 100 lb., $5.25 to $5.50; No. 1, in casks of 560 lb., $4.75; ditto, kegs of 100 lb., $5.

LITHARGE AND ORANGE MINERAL—Litharge, 6 to 6½c.; orange mineral, 7½ to 8½c.

WHITE ZINC—Genuine, French V.M., in casks, $7 to $7.25; Lehigh, in casks, $6.

PARIS WHITE—90c.

WHITING—55c. per 100 lb.; Gilders' whiting, 85c.

GUM SHELLAC—In cases, 20c.; in less than cases, 24c.

PLASTER PARIS—Ordinary, $1.75 per barrel; New Brunswick, $2 to $2.20 per barrel.

PUMICE STONE—Powdered, $2.50 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, $1.10 per gallon; No 1 quality, 90c. per gallon.

SEAL OIL—59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9c. per lb. and 10c. for single tins.

LINSEED OIL—Outside western points (freight allowed): Raw, 1 to 4 barrels,

KNOX HENRY.

Heavy Hardware and Metal Broker
Room 220½ Board of Trade, MONTREAL.

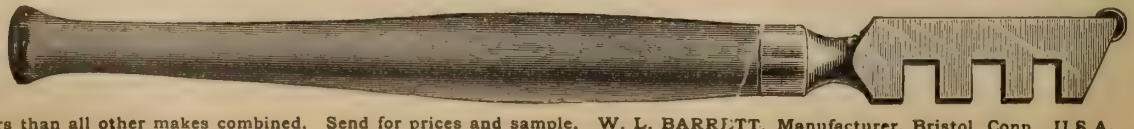
SPECIALTIES—C Brand Horse Nails—Canada Horse Nail Co.

BOLTS—Tire and Stove Rivets of all kinds—Chalcraft Screw Co.

BRASS GOODS—Gunn Castor Co., Limited, Birmingham, Eng.

Barrett's Glass Cutters Standard

Barrett's Practical Glass Cutters are the standard the world over.



Sold by more Hardware Dealers than all other makes combined. Send for prices and sample. W. L. BARRETT, Manufacturer, Bristol, Conn., U.S.A.

59c.; boiled, 1 to 4 barrels, 62c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE — Outside western points, freight allowed, 1 to 4 barrels, 78c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

Some import orders will not be delivered before the close of navigation, notwithstanding the trouble and expense that jobbers have gone so that their customers should get their goods. The demand from stock is exceedingly brisk, everything pointing to an unusual consumption of window glass in all parts of the country. Prices are firm. We quote window glass as follows: Star, first break in 50-foot boxes, $2.15, and in 100-foot boxes, $4; double diamond under 25 united inches, $6, Toronto Hamilton and London; terms 4 months or 3 per cent. 30 days.

OLD MATERIAL.

Deliveries keep large, with a strong demand keeping up. We quote as follows: Agricultural scrap, 55c. per cwt.; machinery cast, 60c. per cwt.; stove cast scrap, 45c.; No. 1 wrought scrap, 55c. per 100 lb.; new light scrap copper, 12½c. per lb.; bottoms, 11c.; heavy copper, 15c.; light scrap brass, 7½c.; heavy yellow scrap brass, 10c.; heavy red scrap brass, 11c.; scrap lead, 2½c.; zinc, 3c; scrap rubber, 4½c.; good country mixed rags, 65 to 75c.; clean dry bones, 45 to 50c per 100 lb.

SEEDS.

The competition of buyers has sent the price of alsike up 50c., so now $4.50 to $6.50 is noted. Timothy, on the other hand, is decidedly weak, showing a decline of 25c. Good to choice machine-threshed timothy is now being bought at 75c. to $1, though 25c. more is paid for extra fancy samples.

PETROLEUM.

The demand keeps brisk. American water white and Pratt's Astral are quoted ¼c. lower. Sarnia water white has been advanced ¼c. Prices are firm after these changes. We now quote: Pratt's Astral, 17¾ to 18c. in bulk ($1 extra for barrels); American water white, 17¾c. in barrels; Photogene, 17¼c.; Sarnia water white, 16¾c. in barrels; Sarnia prime white, 15½c. in barrels.

HIDES, SKINS AND WOOL.

HIDES—An advance of ¼c. is noted in cured hides. Otherwise prices are unchanged, though firm. Deliveries are good. We quote: Cowhides, No. 1, 8½c.; No. 2, 7½c.; No. 3, 6¼c. Steer hides are worth ½c. more. Cured hides are worth 9¼c.

SKINS—Sheep and lambskins are 10c. dearer this week. No other change is noted. We quote: No. 1 veal, 8-lb. and up, 9c. per lb.; No. 2, 7c.; dekins, from 30 to 35c.; culls, 15 to 20c. Sheep and lambskins are selling at 70c.

WOOL—Advances of 1c. in clothing wool and ½ to 1c. in combing fleece is noted. The demand keeps large and the movement is increasing. We quote: Clothing wool, 17c.; combing fleece, 15c.; unwashed, 9 to 10c.

COAL.

No change in prices has been made, so October deliveries will be made at the same figure as September deliveries. But, as cars are scarce, great difficulty is being found in filling orders. We quote anthracite for September delivery at Buffalo and bridges: Egg, stove, and nut, $4.75 per gross ton, or $4.24 per net ton; grate, $4.50 per gross ton or $4.01 per net ton.

MARKET NOTES.

Cut nails are 25c. per keg dearer.

Plated knives of Canadian make are 25c. per dozen dearer.

Certain kinds of axes and hatchets have been advanced in price.

The price of door knobs, door sets and escutcheons has been advanced.

Coil chain is much higher, and the discount on iron jack chain has been reduced to 35 per cent.

Building permits were issued in Toronto during September to the value of $494,105, making the total for nine months over $1,670,000. The value of permits issued during the same period in recent years has been: 1896, $477,205; 1897, $688,570; 1898, $1,517,870. The activity of building is steadily increasing.

Our Factory is Running All Night and all Day.

Has been for some time—so that we may fill orders promptly.

We are doing our utmost to prevent delay by working 24 hours out of every 24 hours and will continue our efforts—but we will greatly esteem the favor if our customers will send us timely notice of their needs—as much before the desired date of delivery as possible.

This will insure prompter shipments than we can guarantee on short notice. It may not mean much to you—but will help us very considerably.

THE METALLIC ROOFING CO., Limited

1179 King St. W., TORONTO,

Wholesale Manufacturers of all kinds of reliable Fireproof Building Materials.

C. FRED. SOMERVILLE MARRIED.

On Tuesday afternoon Mr. C. Fred. Somerville, manager of The Ontario Lead and Wire Co., Limited, Toronto, and son of A. J. Somerville, president of this company, was married to Miss Mary Muirhead Moffatt, at the residence of the bride's mother, 511 Huron street, Toronto.

The wedding was a quiet one, only the relatives and a few immediate friends being invited to the ceremony, which was performed by Rev. Prof. Ballantyne, of Knox College. The bridesmaids were Miss Irene Somerville, sister of the groom, and Miss Helen Moffatt. Little Evelyn Somerville was the flower girl. Arthur Somerville, a brother of the groom, was best man.

Mr. and Mrs. Somerville are spending an extended honeymoon in New York and other Eastern United States cities.

HARDWARE AND METAL extends congratulations to the young people.

A GOOD BUSINESS BLOCK.

The new fine block erected by Mr. Hurley on Simpson street, Fort William, is now nearing completion, and is certainly a credit to the town. Every precaution has been taken in its erection, even in the minutest particular, from foundation to garret, to make it a substantial and up-to-date building. The ground floor is fitted up with all the conveniences for the grocery department and the office. They will be models in effect. The second floor will, for the present, be used as a storeroom. This latter apartment can, however, be easily remodeled, and is amply lighted for sewing or sales rooms. Connection between the two floors will be made easy by an elevator and a winding stair.—Fort William Journal.

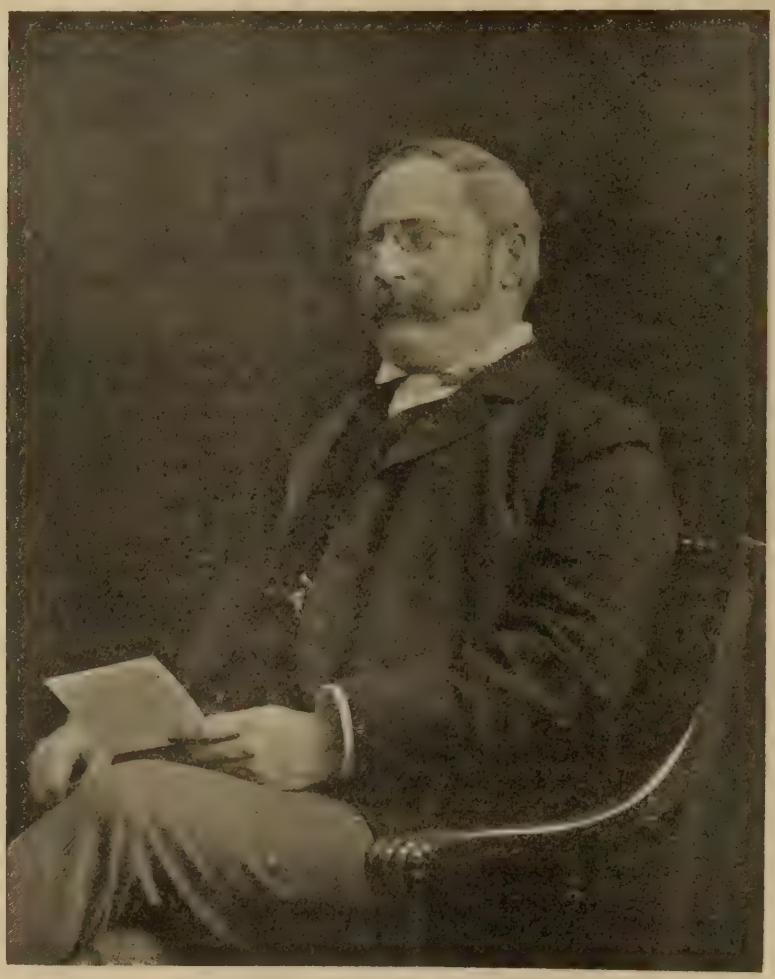
THE WHOLESALE ASSOCIATION'S PRESIDENT.

HARDWARE AND METAL has this week much pleasure in reproducing a photograph of Mr. T. H. Newman, the recently-elected president of the Canadian Wholesale Hardware Association. The cut would have been printed with the report of the last annual meeting, but, as Mr. Newman would not furnish a photograph, one had to be surreptitiously obtained.

Mr. Newman, who is one of the best-known hardwaremen in Canada, began his commercial career in 1866, when, as a lad, he entered the wholesale hardware house of Crathern & Caverhill, Montreal, where his position was that of general utility boy. He, however, worked hard, and not only gradually mastered the details of the business, but gradually worked himself into more and more responsible positions, until, in 1884, when the firm of Caverhill, Learmont & Co. was organized to carry on the immense shelf hardware business of Crathern & Caverhill, he became a partner. He is still a member of this firm. From boy to partner 18 years is not a bad record.

Mr. Newman is enthusiastic in business matters, and he promises to exercise the same quality as president of the Wholesale Hardware Association.

Toronto is Mr. Newman's birthplace, he having been born there in 1851; but he removed to Montreal early in life, and was educated in that city.



MR. T. H. NEWMAN.

EARLY CLOSING IN GLASGOW.

There is an early-closing agitation in Glasgow. On Wednesday, September 20, a concert was given by the South Side and District Shopkeepers' and Assistants' Early-Closing Association for the purpose of raising money and giving the public the association's reasons for desiring early closing. As first class talent was provided, the attendance was large, and the programme excellent. During the evening two speakers championed the cause of early closing. They gave the reasons for wishing shorter hours, which are summed up in the following resolution which was put before the meeting and carried unanimously:

That this meeting, being of the opinion that the present shop hours are unnecessarily long, and are injurious to the well-being of all, more especially to the young, therefore resolves to support the present early-closing movement, and pledge themselves not to shop after 8 o'clock; and, further, resolves to support the principle of Sir John Lubbock's Shop Hours Bill, and that copies of this resolution be sent to the local members of Parliament.

The Bill of Sir John Lubbock, mentioned in the resolution, stated that at the instance of three-fourths of the shopkeepers in a locality all may be compelled to close at a fixed hour. Though this association is not yet backed up by the necessary three-fourths, their supporters are said to be steadily growing in number. Besides swelling their campaign fund, the concert helped to increase public interest and sympathy in the early-closing movement.

The price of crude oil at Ontario wells was again advanced 3c. per bbl. last week.

Tank ships Nos. 52 and 72 took 170,152 and 165,846 gallons, respectively, of refined oil from Sarnia on Saturday for Montreal. This trip will complete the season for these boats.

The Brockville Recorder has been studying an old directory of the town, and finds that, of all the men who were in business there 48 years ago, only five are living, and not one is in active business.

STOCKING LINSEED OIL.

For stocking linseed oil, the best plan is to have tanks capable of holding from three to five barrels, according to the trade expected; but before turning the oil into these tanks care must be taken to see that they are absolutely dry and free from the least suspicion of moisture. A damp tank or barrel will ruin the best boiled oil that was ever made, causing it to throw down the drying material originally held in solution and making it look muddy, so that it becomes utterly unsalable. The appearance of any oil is spoiled by damp; but in the case of boiled linseed the oil itself is damaged. Newly-boiled oil should never be bought for the coach-painting trade; and, indeed, it is safer to tank and keep the oil purchased for at least two months before drawing it off for customers. The best makers of boiled oil keep their product for a year in tanks before sending it out, but, of course, this must be paid for in the price. Raw oil is also greatly improved by being tanked for a year, as no matter how carefully it may be made, there is always some sediment to be thrown down, and this sediment, like that from claret, should never be passed through the oil again.

A convenient way of working the linseed oil trade with painters and decorators would be to keep the stock in five gallon drums, although this idea has not yet been adopted by the trade in this country. Any maker who exports to India will be able to supply the oil in these drums, which are now made at an extremely cheap rate, and the value of them can be obtained on return. —Ironmonger.

CHARCOAL IRON STILL IN FAVOR.

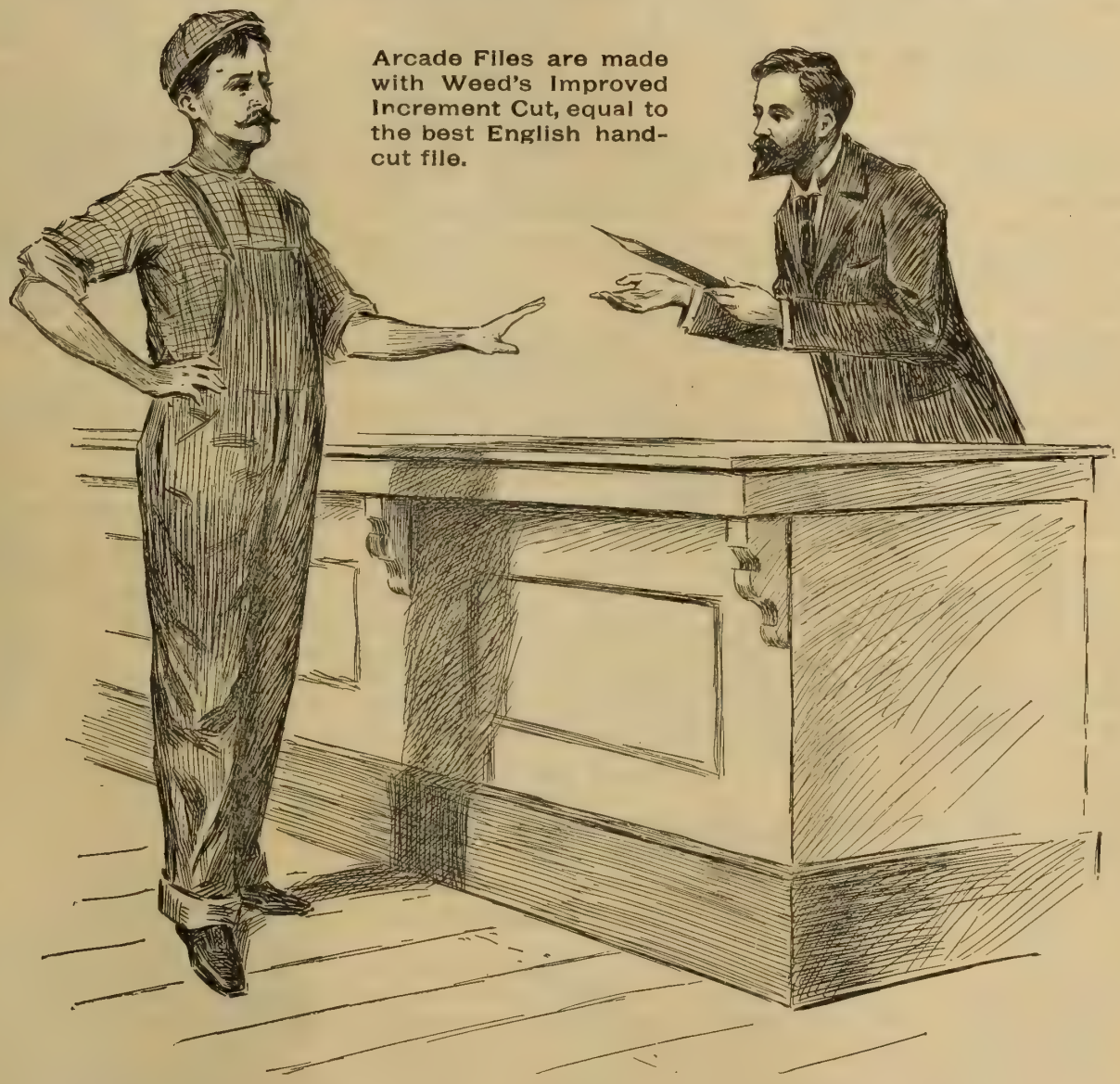
In spite of all that is said about the decadence of the use of charcoal iron, it is curious to note that whenever some important job of exceptional note looms up the specifications say that, altogether or in part, the castings must be made from charcoal iron. Against all the technical discussions denying the superiority of charcoal iron, practical foundrymen still grant it first place, and furnish it when the customer is willing to pay the price, as many find it economy to do.—The Foundry.

The WORLD'S GREATEST FILE WORKS

ESTABLISHED 1842.

There is no other file "just as good."

THE ARCADE IS THE BEST



Arcade Files are made with Weed's Improved Increment Cut, equal to the best English hand-cut file.

"I want an ARCADE file."
"We are all out of ARCADE files. Try this; it is just as good."
"No, Sir. I want the ARCADE. It cuts faster and wears longer than any other file made."

THE ARCADE FILE WORKS

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Works: ANDERSON, IND.
COURTLANDT C. CLARKE,
Sec. and Treas.

CHICAGO:
118 Lake Street.
ALFRED WEED,
Vice-President and Gen'l Mgr.

HEATING AND PLUMBING

DISINFECTANTS.

IT cannot be doubted that it is of great importance that the value and proper use of disinfectants should be rightly understood by all classes, and especially with weather so variable as to be specially productive of causes of disease. The true value of any disinfectant may only be obtained by the actual experiments on the germs of different diseases; this has been done, and some very valuable information obtained.

In the course of a note on this subject, Mr. A. T. Allen, F. I. S. E., Assoc. San. Inst., of the Portslade-by-Sea Urban District Council, remarks that bichloride of mercury or corrosive sublimate is not commonly used, but it has been proved to have the most destructive effects, and is about one of the strongest and most powerful disinfectants known. For flushing drains, it should be used in the proportion of 1 to 1,000 of water (one grain to about two ounces of water). It requires using with great care, it being highly dangerous. In using as a disinfectant, three precautions are necessary: 1st.—It is extremely poisonous, and the solution should therefore be colored and kept in fluted bottles labeled "Poison." 2nd.—As it corrodes iron and other common metals, it must be used in non-metallic vessels. 3rd.—It forms an inert insoluble compound with albumen, and to obviate this the solution should be acidulated. Carbolic acid is a positive disinfectant, and will quickly destroy or restrain every contagious and infectious virus. It can be used with great facility, and is sufficiently volatile to permit its vapor to reach atoms or germs of disease floating in the air. For the disinfection of privies and drains, and outdoor disinfection, it is more permanently efficacious. It is also very useful for washing floors, by mixing four ounces to a gallon of water. For drains and sewers, mix one pint with four gallons of water.

Chloride of lime is a very useful and cheap disinfectant; a pail containing two ounces of chloride of lime to a gallon of water may be taken into a sick room, and the articles put into it and brought away, thus saving disease spreading through the house. A useful solution, and very little known, is made in the following way: One pound chloride of lime put into a two-gallon jar, and filled up with rainwater, well shaken and left to dissolve, the liquid from which is very valuable for disinfecting stools, excreta and drains, and saves clogging the drains with lumps of chloride of lime. Chloride of lime in powder is useful for disinfecting or covering solid excreta before burying it under the ground. Sulphur is the most convenient aerial disinfectant for purifying or destroying the foul air in rooms, and very valuable for disinfecting the rooms of poor and dirty districts, or rooms after the removal of a person suffering from any infections disease. Care should be taken to use it in sufficient quantity, one pound for every thousand cubic feet of space, and the windows and doors should be securely sealed by being pasted round with brown paper to prevent its fumes escaping to other portions of the house, otherwise the fumes, though harmless, may cause annoyance, and the room must be closed for from eight to twelve hours.

A sure and safe way of using sulphur is to place about three or four inches of earth in a bucket, and stand on this a flower pot containing the required quantity of sulphur, the sulphur being ignited by a live coal. Sulphur candles can be bought at any chemists', containing the directions for use, and these candles (one to a room) will destroy disease germs in vacated sick rooms, also insects, pests and other vermin. Sulphide dioxide can be bought in tins, a 12-oz. tin being equal in effect to about double its weight of sulphur. There are other preparations, such as Condy's Fluid, Jeyes' Fluid, and Sanitas, etc., all of which are useful disinfectants.

PLUMBING AND HEATING CONTRACTS.

The Keith & Fitzsimons Co., Limited, have secured the contracts for the plumbing and heating of the large apartment building at the corner of St. George and Harbord streets.

The Bennett & Wright Plumbing and Heating Co., Limited, have contracts for plumbing and heating a residence on Jamieson avenue for Geo. Leslie; a residence on Lowther avenue for Geo. Reedy, and for two houses on Broadview avenue for Benj. Brick, and for heating a large house on Beverley street for The Freehold Loan & Building Company, and a house at 90 St. Joseph street for Mr. Gamble, and a store and dwelling at the corner of King street and Spencer avenue.

Purdy, Mansell & Co. have the contract for heating several residences in Toronto, and a store and residence in Markdale, Ont., for McFarland & Co.

Blouin, Desforges & Latourelle, Montreal, have the following heating contracts: Valiquet & Bastien's store; house for Rev. J. A. Dugas at St. Anne des Plennes; restaurant for W. H. Walker; house for Martin Egan, Montreal.

Amaise Dalfond, Montreal, has the contract for the interior ornamental steel work in Rivard's Theatre, Joliette, Que.

Carroll Bros., Montreal, have the contract for the plumbing and heating of a residence at Dorval for Hartland McDougall.

TORONTO BUILDING PERMITS.

Building permits have been issued in Toronto to The Gurney Foundry Co., Limited, for a one-storey brick foundry at their works, King street west, to cost $6,000; to D. Walton, for a brick and stone residence on Broadview and Simpson avenues, to cost $1,300; to the Toronto Railway Co., for a car shed to cost $8,000; to Lever Bros., Limited, for a three-storey brick and steel factory and warehouse at the corner of Eastern avenue and the River Don, to cost $140,000.

PLUMBING AND HEATING NOTES.

THE Plumbers' and Steamfitters' Union of Toronto has been awarded the general parade cup for having the best turnout in the labor parade held in that city on Labor Day.

A. J. Smith, contractor, Victoria, is dead.

J. W. Hughes, Montreal, has gone on a business trip to New York.

H. G. McLaren is now connected with The Dominion Radiator Co. as salesman.

Mrs. D. Dugas has registered as proprietress of D. Dugas & Co., plumbers, Montreal.

The assets of Isaac Lewis, contractor, Westmount, Que., are to be sold on October 9.

The sheriff's sale of the real estate of A. Villane, contractor, Outremont, Que., is advertised for November 10.

S. Fader, butcher, Granville street, Vancouver, intends erecting a three-storey block opposite the postoffice in that city. The block is to cost about $20,000, and it is intended to have it ready for occupation by Christmas.

A petition, signed by many merchants of Toronto, has been presented to the council of that city, asking that, as the present system of discharging sewage into Toronto harbor is a menace to the public health, an investigation shall be instituted to find means of preventing the continuance of this system.

SEND for specimen copy of Phillips' Monthly Machinery Register, containing over 5,000 entries of new and second-hand machinery of every description. The oldest established and most successful medium in the world. Established 25 years for the purpose of introducing those who have machinery for sale, to those who wish to buy, has a circulation of about 50,000 copies per annum, all over the world, and is used for continual reference by a large number of firms. It is consequently a most valuable advertising medium for all engineers and manufacturers. Subscription, 6s. per annum, price per copy, 6d. Sole Proprietor, CHAS. D. PHILLIPS, M.I M.E., Newport, Mon., England. Telegraphic address: "Machinery, Newport, Mon."

The Syracuse Smelting Works

ARE MANUFACTURERS OF

Plumbers' and Tinsmiths' Solder

of highest quality. Highest market prices paid for old Brass and Copper.

SYRACUSE SMELTING WORKS

MONTREAL.

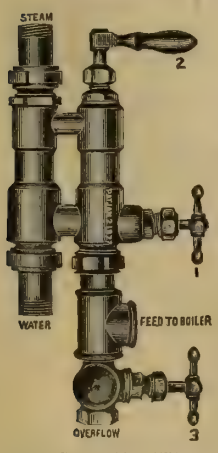
McCaskill, Dougall & Co

Fine Varnish & Japan

Manufacturers

Montreal

Price Lists on application



THE

HANCOCK INSPIRATOR

This old established machine is proving itself universally the best Boiler Feeder for all uses.

Over 2,000,000 Sold.

Is a double tube machine. Has stronger working power than single tube machines.

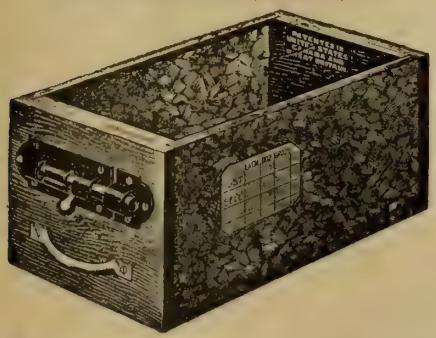
The genuine manufactured only by

THE

James Morrison Brass Mfg. Co, Limited,

TORONTO.

SUCCESS in selling depends upon the value given. The firm making **Bennett's Shelf Box** for the U.S. market sold **17,349** between July 1, 1899 and September 30, 1899.



Known in the U.S. as Heller's Shelf Box. Send for particulars and prices to the patentee and manufacturer for Canada—

J. S. Bennett, 20 Sheridan Ave., Toronto.

N.B.—Will be made to fit your present shelving.



FIBRE ELECTRIC

No. 98.

This is the second season this Oil Heater has been upon the market. It met with unusual success last season, and is, without a doubt, one of the handsomest Oil Heaters offered.

BRIEFLY DESCRIBED.

The **Base** is made from **Indurated Fibre,** which takes an elegant finish, is **light, tough,** and will **spring** and **bend** without breaking. The **Jacket** is **polished brass,** and the **Jacket Ring, Main** and **Urn Tops** are stamped **sheet steel,** highly polished and nickel plated.

The **Tank** and **Burner** is constructed entirely of **brass,** and can be **readily removed** from the stove for Trimming the wick, cleaning, filling, etc. The **Wick Raiser** is strong and positive in its action and cannot get out of order.

This Heater will operate positively **without smoke or odor,** as our burner is so adjusted that the flame **will not run up,** and should the wick be turned so high as to cause it to smoke, the flame will immediately recede to the proper point of combustion.

Water Reservoir in the Burner; the evaporation of the water creating a mild and healthful atmosphere in the room.

Ten-inch Circular Wick. Heating capacity, 1,500 to 2,000 cubic feet in cold weather. Height of stove, 38 in. Diameter of Base, 18 in. Weight, crated, 20 lbs.

A WINNER. Handsome Base. Deep Red Color.

THE COPP BROTHERS CO., Limited, HAMILTON

HARRINGTON & RICHARDSON ARMS CO.

WORCESTER, MASS., U. S. A.

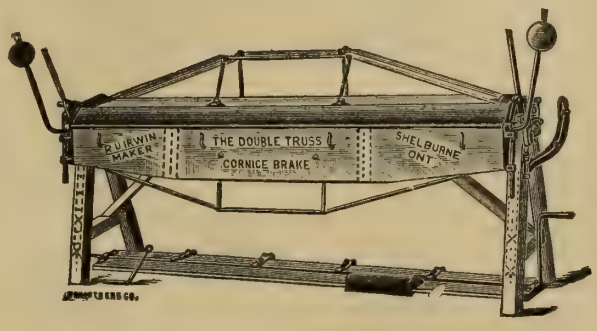


Makers of

High Grade # REVOLVERS

SEND FOR COMPLETE CATALOGUE.

For sale by Sporting Goods and Hardware Stores almost everywhere.



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

Price, $50

Very handy beader attachment, $10 extra if required.

Send for circulars and testimonials to

The Double Truss Cornice Brake Co. SHELBURNE, ONT.

STANLEY'S

UNIVERSAL PLANE.

INCLUDING:

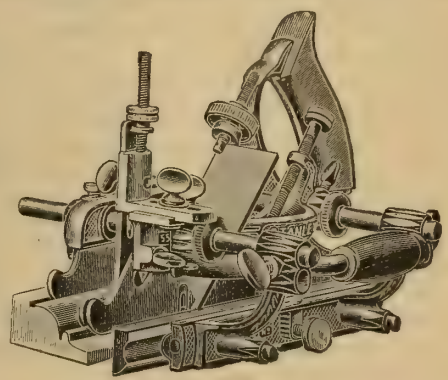
Moulding Plane, Match, Sash, Chamfer, Beading, Reeding, Fluting, Hollow, Round, Plow, Dado, Rabbet, Filletster and Slitting Plane.

No. 55. Universal Plane, $16.00

WITH 52 CUTTERS.

☞ The Plane is Nickel Plated; the 52 Cutters are arranged in four separate cases; and the entire outfit is packed in a neat Wooden Box.

SOLD BY ALL HARDWARE DEALERS.



Toronto Foundry Co.

Manufacturers of SOIL PIPE, FITTINGS, SINKS, BOILER STANDS.

Nos. 146-148-150 Niagara Street, TORONTO

The only Exclusive Manufacturers of Soil Pipe and Soil Pipe Fittings in Canada. . . . . .

All goods stamped T. F. Co. are warranted.

PARTNERSHIP QUARRELS.

FOR the welfare of any business the the relations of partnership must, at all times, be congenial. The avoidance of clashes can best be made before the partnership is formed, and a man should always look at the temperament of his prospective partner, in relation to his own personality, just as critically as he examines into the financial or trade drawing characteristics. Small conflictions of ways and manners grow into quarrels between partners oftener than in any other relations of life, because when a man thinks that he is interferred with in his property rights he fights at the first suspicion of the drop of the bat. Granting that it is sometimes, perhaps oftener, the case that partners do not know each other's peculiarities before the formation of their business union, it is yet possible to curb and throttle disagreements and explain misunderstandings. It is always better to yield a point, even when we know we are right, than to hang to a bone until an open fight is precipitated; and when both sides yield the settlement of the next controversy is made easier, and eventually it will be found that controversies cease, because each other knows the other's failings and avoids any offence or conflict.

If an open rupture does come, patch it up at any cost to personal feelings, or give all your properity to some charitable institution, ere you allow the grim, gaunt clutches of law to grasp it. Once carried into courts there is almost invariably the result, "Who enters here leaves all hope behind." It is the way a lawyer has of making his living, and he lies in wait for such fat jobs as partnership quarrels. Partners once in lawsuit with each other seldom yield voluntarily, and it is seldom that the lawyers allow their clients to give in, as long as there is anything left for the lawyers. Cases are numerous wherein the principals have litigated away the whole of their joint possessions, besides keeping their private purses constantly open.

Here is a story that comes from the Pacific Coast, and has its counterparts all over the country. The property involved in the quarrel amounted, originally, to something like $11,000 worth of stock, besides the real estate. At the request of the partners it was placed in the hands of a receiver until the case could be settled. The receiver received $75 a month for his services. He made his regular reports and complied with the requirements of the law, while the owners of the property held the quarrel in the courts for 15 years. At the end of that time they found their desire for fight to have been satisfied, and they were willing to settle. The receiver reported in the court room before an audience that could not restrain smiles at the ridiculous outcome, that after having paid all necessary expenses and his own salary, there remained about $500 worth of antiquated merchandise on which it would be impossible to realize more than a small percentage. The receiver was discharged, after having been paid, by the consent of the litigants, more than $13,000 for services which had been of no benefit to the principals in the contest. They were astounded at the simple result which they had never stopped to consider. Out of years of litigation, over an originally small affair, they had piles of bills, receipts and vouchers. Their experience had come high. They now admit that the quarrel could have been settled at its beginning by a little yielding on both sides.—By P. A. X. in Metal Worker.

RECENT SALE OF PATENTS.

The United States Patent Office records show, during the past month, quite a list of assignments of patents. Considerable sums are involved in the sale of same, and the list below, furnished by Marion & Marion, solicitors of patents, New York Life building, Montreal, is a part of the many recorded:

Peter F. Turner, Charles McBride, Adolph H. Hertz and Emil Klahn, to The Automatic Sausage Linking and Tying Machine Co., a corporation in New Jersey; appliance in machinery for dividing and knotting sausages. Consideration, $100,000.

Richard L. Duvall, to Houston, Rosholt Manufacturing Co., Minneapolis, Minn., grain and seed cleaners and separators. State of Illinois, Indiana, Michigan and Wisconsin. Consideration, $100,000.

Frederick J. Blakely and George H. Paine, to Royal Separator Co., corporation of Michigan, cream separator. Consideration, $25,000.

Edmund C. Hayde, to Eugene M. Keeley, Chicago, Ill., vehicle wheel. One-half interest, $10,000.

Henry Valentine, to C. C. May, of Davenport, Washington, seed and grain purifier. States of Idaho, Washington, California and Oregon, $5,000.

James Tomlinson, to George A. Gage, of Chicago, Ill., cylindrical wooden packages. State of Illinois, $2,500.

STRENGTH OF CAST ALUMINUM.

Cast aluminum is about equal in strength to cast-iron tension, while under compression it is comparatively weak, according to an exchange. With a purity of 99 per cent. the ultimate tensile strength of aluminum per square inch is, in castings 18,000 lb., in sheet 24,000 lb. to 40,000 lb., wire 30,000 lb. to 55,000 lb., and in bars 28,000 lb. to 40,000 lb. The elastic limit of aluminum of this purity is, for castings 8,500 lb., sheet 12,500 lb. to 25,000 lb., wire 16,000 lb. to 33,000 lb., and bars 14,000 lb. to 23,000 lb. per square inch. Taking tensile strain in relation to weight pure aluminum is as strong as steel of 80,000 per square inch.

PIG IRON SELLING RECORD BROKEN

The tonnage of sales of pig iron reported by Rogers, Brown & Co., for 1898, amounting to something over 1,000,000 tons, was considered the greatest amount sold in one year to actual consumers of foundry and forge iron by one firm. Rogers, Brown & Co. now state that during the first eight months of the present year their sales of pig iron have amounted to over 1,000,000 tons and during September are proceeding at about the same rate. They have 10 houses located in the principal distributing centres of pig iron, the latest one established being at Birmingham, Ala. Notwithstanding the large contracts placed, the information received by Rogers, Brown & Co. from their various branches and salesmen shows that a large majority of consumers have not yet covered their pig iron requirements for the first half of 1900, and it seems apparent that demand will continue good for the remainder of this year.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY. MONTREAL.

DEPARTMENT OF RAILWAYS AND CANALS.

LAKE ST. FRANCIS.

Protection Wall along North Shore from McGee's Point to Wood's Creek.

NOTICE TO CONTRACTORS.

SEALED TENDERS, addressed to the undersigned, and endorsed "Tender for Protection Wall," will be received at this office until 16 o'clock on Monday, the 9th October, 1899.

Plans and specifications can be seen on and after the 27th of September, 1899, at the Office of the Superintending Engineer of the Quebec Canals, 1709 Notre Dame Street, Montreal, where forms of tender can be obtained.

In the case of firms there must be attached to the tender the actual signatures of the full name, the nature of the occupation and residence of each member of the same, and, further, an accepted bank cheque for the sum of $1,000 must accompany the tender. This accepted bank cheque must be endorsed over to the Minister of Railways and Canals, and will be forfeited if the party tendering declines entering into contract for the work at the rates and on the terms stated in the offer submitted.

The accepted bank cheques thus sent in will be returned to the respective parties whose tenders are not accepted.

The Department does not bind itself to accept the lowest or any tender.

By order,

L. K. JONES,
Secretary.

Department of Railways and Canals,
Ottawa September 26, 1899.

Newspapers inserting this advertisement without authority from the department, will not be paid for it. (40)

THE . . .

Watson, Foster Company

Limited

Manufacturers of all grades of WALL PAPERS

Montreal, Canada.



The Factory Producing the Most Modern and Artistic Paper Hangings on the Continent.

Have you made your selection of Wall Papers for season 1899-1900? If not, now is the time to inspect our more-than-ever popular line. Our representatives are now on the road, and will have much pleasure in calling on you and showing you our new samples. The frequent introduction of up-to-date novelties, nobby styles, artistic gems, and popular sellers all through the extensive collection will render the ordeal a pleasing one to you. It will require very little or no argument to convince you that our assortment embraces the kind of papers you should have to hold your best trade and increase the volume of your business.

OUR { **HEAVY 21-INCH PAPERS** in Flats, Plain Varnish Golds, and Embossed Varnish Golds
INGRAINS—Most Fashionable Shades, with twelve handsome, remarkably rich matched Friezes
EMBOSSED PULP EFFECTS—the newest specialty out

Will accomplish the above results for you.

Note.---Freight equalized with Toronto for towns West of Belleville and West and North of Toronto.

THE THOS. DAVIDSON CO.'S NEW BUILDING.

THE Thos. Davidson Manufacturing Co., Limited, are erecting a new building at the corner of Vinet and Albert streets, Montreal, to extend their stamping-room. The new building will be 55 x 55 feet and seven storeys high. When this building is completed all available space on the large block of land bounded by four streets will be occupied, and at the same time will disappear the last vestige of an old landmark, for here once stood the St. Lawrence Glass Works. But now nothing remains of this once prosperous industry but memory in the minds of older inhabitants. The old buildings have given way to a newer and larger enterprise, and when your correrpondent presented himself a day or two ago he was cordially shown over their large premises and all the different processes explained. During my tour I saw the raw material carried from one machine to another until it came out a finished product.

In my wanderings I traveled over ten acres of floor space, and saw at work about 600 men. Every available inch of space was fully occupied, and on every side was machinery cutting, punching, stamping and polishing tin, iron and other metals, and it was interesting to note the many and varied processes through which even the commonest article had to pass before being sent out a finished article.

Here, too, was seen the great advancement in the art of manufacturing within a very few years. At one end of a room was the old foot press, whilst at the other the modern automatic stamping machine, and a few moments watching the workings of both would soon show one how goods are manufactured so much more cheaply and better than in times past.

In another part of the building were seen the lithographing machines at work, and here, also, was seen a solid silver tray being lithographed for presentation to Sir Wilfrid Laurier, Premier of the Dominion. In the centre of the tray was a portrait of Sir Wilfrid, whilst around it were the arms of the Dominion, as well as the several Provinces. The border is done in autumn leaves in natural colors with beavers between. They are making, and have now on the market, a large line of enameled trays of a similar design, as well as silver ones.

They have also commenced manufacturing a line of galvanized range boilers, which will be made in five sizes, viz., 25, 30, 35, 40 and 52 gallons, but should the trade require other sizes they are fully prepared to meet the demand. They are the first firm in Canada to manufacture these goods.

They also have under way a full range of jardinieres, which, when completed, will prove good sellers. These will be finished in all the latest patterns, and their lightness, strength and cheapness, together with artistic design, will make them great sellers.

In speaking of prices, they said that, owing to the rapid rise in raw material, they were unable to change their prices accordingly, and to-day many articles are sold at less than actual cost, and the probability is there will be an advance in the near future.

KEEPING A STOCK-BOOK.

BUYERS of goods for the retail trade may be divided into three classes—those who buy too little, those who buy too much, and those who buy to suit the quantitative demands of their customers, and consequently make their purchases in the right proportion, so far as this can be ascertained, says Stoves and Hardware Reporter, St. Louis. As in many other cases, the degree of stocking up is very largely a matter of individual circumstances, but it may be said in general, as applied to the situation as it is presented to-day, that too little buying at a time of easily moving money is a mistake equally great with that of buying too much in times of slow movement.

But, whatever may be the degree or extent of purchases, it is a serious omission in business practice to buy a line of goods and then not keep track of them. Merchants are apt to neglect the keeping of a stock-book. They rely on their merchandise account too freely. This account is necessary, of course, as it shows the difference in gross between purchases and sales, but it fails to itemize the several lines or to tell exactly what is on hand and what may be needed at any specified time. The keeping of a stock-book enables the merchant to ascertain the exact condition of his affairs and is practically a means of taking an inventory at any time he may wish it.

The methods necessary to the keeping of such a book are not at all complicated, neither do they involve any considerable time or expense. It is merely a matter of debit and credit applied to the goods alone, charging up the goods as received and crediting them when sold.

The account should be classified by departments, each one being separated from the others, so that, as an illustration, it will be an easy matter to tell at a glance how many kegs of nails are on hand on any given date, and how soon and in what quantity a needed supply should be ordered. Keeping track of stock is as necessary as watching the cash, but this cannot be done with satisfaction unless the work is made a matter of record and is thoroughly systematized.

STAPLE PRICES ABROAD.

The following are the index numbers of the prices of 45 commodities, the average of the eleven years 1867 77 being 100, as made up by A. Sauerbeck :

	Average.
1878-87	79
1888-97	67
—	—
1893	72
1894	68
1895	63
1896	64
1897	61
1898	62
1899	64

Monthly numbers	
February, 1895	60.0
July, 1896	59.2
May, 1898	66.4
December, 898	63.8
January, 1899	65.8
February, 18 9	65.4
March, 1899	65.6
April, 1899	66.1
May, 1899	66.6
June, 18 9	66.9
July, 1899	67.6
August, 1899	68.3

Iron and tin did not maintain the high closing prices of the previous month, and mutton, sugar and coffee were somewhat lower ; but otherwise the general tendency of prices was firm or rather better, particularly for corn, cotton, flax, jute, wool, palm and linseed oils. The movements of all the above commodities, downward or upward, balanced each other, and the fresh rise in the average index number was entirely caused by the strong advance of two articles, butter and Manila hemp. The former rose about 15s. to 20s. per cwt., and the latter £10 per ton, from £33½ to 43½. Taking articles of food and materials separately, the index numbers compare thus :

	Feb., 1895.	July, 1896.	May, 1898.	Dec., 1898.	July, 1899.	Aug. 1899.
Food	63 8	60.0	71.5	65.6	65.3	65.7
Materials	57.0	58.6	62.7	62.4	69.3	70.2

Articles of food stand about on a par with the end of last year, while materials are in the aggregate 12½ per cent. higher.

BLAST FURNACES AND THEIR OUTPUT.

That the number of active blast furnaces may increase materially without anything like a corresponding increase in output is apparent from the statistics of pig iron production on September 1, as compared with those of January 1 :

	Jan. 1, 1899.	Sept. 1, 1899.	Increase.	Per cent. Increase.
Number Furnaces in blast	200	257	57	28.5
Average weekly capacity, gr. tons	243,516	267,335	23,819	10—

While the 200 furnaces in blast on January 1 had an average weekly output of 1,200 tons, and 57 added furnaces of September 1 only gave 23,819 tons a week, or an average of about 400 tons. The figures are a suggestive commentary on the character of most of the stacks that are going in under the attraction of high prices.—Iron Trade Review, Cleveland.

Hopkins & McLean, general merchants, are moving into their new store, the finest and most up-to-date in Kamloops. Their stock is so large that it will take a day or two to get everything in order.—Kamloops, B.C., Standard.

STORES IN MODERN JERUSALEM.

By Finley Acker.

TO ascend or descend its narrow streets or alleys, for none are level, and to pass under their low vaulted ceilings, reminds the traveler of subterranean passages or catacombs. The arched vaults or caves lining these alleged streets in the business portion of the city furnish the shops for the trading among the natives. They are usually large enough to allow goods to be piled upon the three sides of the vault, with sufficient room in the centre for the proprietor (who performs all the various functions incident to shop-keeping), and additional space for two, and sometimes three or four, customers ; but four is generally the limit. One vault may dispose of dry goods, another notions, another groceries, another fresh meats, another sandals and slippers, another tinware, another wax candles and religious emblems and so on until one or more vaults may be found for the sale of all such articles as are commonly used by the natives.

But Jerusalemites don't believe in encouraging the department store idea. Each little shop has its separate proprietor, and the value of the entire stock of the average store would not equal the amount of a single good-sized sale in many American retail stores.

The Oriental method of trading is unique. The customer asks the price of an article, and the shopkeeper names it, declaring at the same time with the utmost fervor, that never before had he named so low a price. The customer thereupon cautiously offers a fraction of the price named, and calls, with equal fervor, upon a number of the saints in her vocabulary to witness that she will not pay any more. The storekeeper then slightly modifies his former price, but, at the same time, ejaculates a prayer to be forgiven for making such a sacrifice. The customer then makes a slight advance, and calls upon some more of her patron saints to witness that she will absolutely pay no more. And thus they make their adroit moves back and forth, until a price is finally agreed upon, and both instinctively offer up a secret prayer of thanksgiving for having so satisfactorily outwitted the other. — Exchange.

A MERCHANT'S MOTTO.

"I handle goods that are cheap, but not cheap goods. I want my goods to become your goods and my store to become your store. When this want is realized, I shall feel sure of seeing you or hearing from you very often. Then you will bring your friends to our store and we all shall derive mutual profit. Our joint success depends on your efforts and mine. It cannot fail if we try to please each other."—Stoves and Hardware Reporter.

We Want Your Axe Order FOR FALL SHIPMENT.

Kindly hold it till our representatives call on you.

James Warnock & Co., - Galt, Ont.

COW TIES

Greening's Patent

We make the following :

Open Ring, six sizes.
Small Closed Ring, six sizes.
Large Closed Ring, six sizes.
Three Chain, six sizes.
Greening's Special Tie with Stall Fixtures, five sizes.

Our ties have stood the test for years and are undoubtedly the best in the market. Send for new price list. For sale by all jobbers.

The B. GREENING WIRE CO., Limited

HAMILTON and MONTREAL.



Geo. D. Wood & Co.

WINNIPEG, MAN.

Importers of and Dealers in

SHELF AND HEAVY HARDWARE, PAINTS, OIL, GLASS, PUMPS, ETC.

Stock now **complete** in seasonable lines. **Prompt** shipment.

Letter orders receive **special** attention.



WHY AM I MAD? Because I did not order a stock of JAP-A-LAC when I should have, but I am going to do so at once.

JAP-A-LAC

Produces a brilliant, elastic and beautiful finish, dries with the elasticity and hardness of Japanese Lacquer. Apply a coat over old Woodwork, Furniture, Floors, Oilcloths, Doors, Iron Work, Carriages, Bicycles, etc. Made in all colors, also the fashionable "Dead Black" Wrought Iron Finish for tarnished Chandeliers, Picture Frames, Lamps, etc. Try it once and you will always use it.

Canadian Depot, **A. WATT & CO.,**

Tel. Main, 2568 43 St. Sacrament St., MONTREAL.

THE FALL TRADE

To secure thoroughly reliable goods send your orders for

Ready-Mixed House and Floor Paints,
Varnishes, Japans, Coach Colors,
White Lead, Colored Paints, Enamels,
Wood Stains, Wall Tints, Putty, etc.

To Henderson & Potts,

NOVA SCOTIA PAINT AND VARNISH WORKS,

HALIFAX, and 747 Craig St., MONTREAL.

Sole Agents for the Dominion for **Brandram's Celebrated White Lead.**

DARK DAYS ARE COMING
—AND—
YOUR STORE IS GLOOMY.

Buy Luxfer Prisms and tempt new customers in—by making your store airy, cheerful and bright. . . . .



EATON'S—WITH LUXFER PRISM WINDOWS.



EATON'S—WITH OLD-FASHIONED GLASS.

LUXFER PRISMS ARE NO FAD.

Their popularity is due to the economy effected in artificial light. Dollars and cents do our pleading.

WRITE TO

Luxfer Prism Co., Limited
58 Yonge St., TORONTO.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, **Montreal.**

Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates, Galvanized Sheets, Imitation Russia Sheets Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.



VanTuyl & Fairbank

Petrolia, Ont.

Headquarters for . .

Oil and Artesian Well Pumps, Casing, Tubing Fittings, Drilling Tools, Tables, etc.

R. C. LeVESCONTE

Barrister, Solicitor, Notary, Etc.

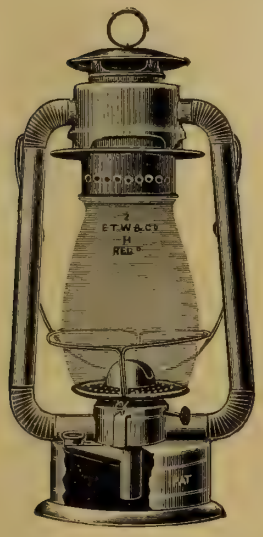
THE McKINNON BUILDING
Cor. Jordan and Melinda Streets

. . . TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.

No. 3 Patent Well.

"Oil wont spill if upset."



Manufactured by

E. T. WRIGHT & CO.

Hamilton, Canada.

Send for New Catalogue.

TRADE MARK J REGISTERED.

"JARDINE" TIRE UPSETTERS WILL UPSET TIRES

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.
HESPELER, ONT.



Hockey Sticks

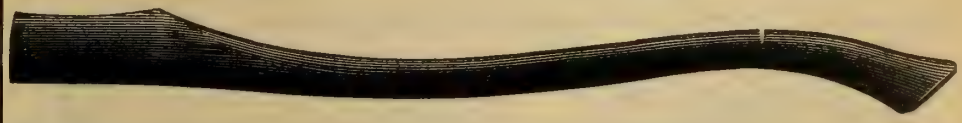
Write for samples and prices of our new pattern.

Handles

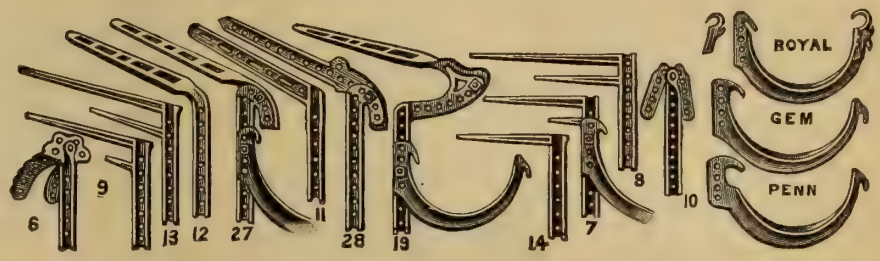
Of all descriptions, Neckyokes and Whiffletrees, etc., etc., to the trade only.

ST. THOMAS HANDLE AND TURNING WORKS

Established 1877. **J. H. STILL, Proprietor.**



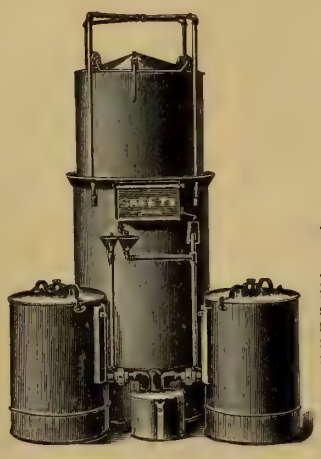
BERGER'S GUTTER HANGERS



The very best made. Strong and easy to put up and adjust. By proper selection of the shank the requirements for any style eave will be met. Other kinds of Hangers, Pipe Hooks and Fasteners, Gutter and Pipe, and a general line of

Tinners' Hardware and Roofers' Supplies.

BERGER BROS. CO., - - - - - - - PHILADELPHIA, U.S.A.



The "SAFETY"

ACETYLENE GAS MACHINE

manufactured by

The Safety Light & Heat Co.
DUNDAS, ONT.

What some of our friends say of us :

Dear Sirs,—The 10-light Safety Acetylene Gas Machine purchased from your Mr. Sparling has been in use in the office, composing and press rooms of the Vernon News since the beginning of the year, and it is giving excellent satisfaction. The light is clear, strong and much easier on the eyes than other forms of artificial light, and is admirably adapted for our purpose. The machine is easily operated and requires little attention. The automatic device for removing the ash from the carbide works to perfection. We find that there is no overgeneration of gas and consequently no waste. The ash is always dry when removed. Considering the volume of light we find it more economical than coal oil, and we can confidently recommend the Safety generator as a very excellent machine.

THE VERNON NEWS PUBLISHING CO., Vernon, B.C.

HUTCHISON, SHURLY & DERRETT

DOVERCOURT TWINE MILLS.

1078 BLOOR STREET WEST, TORONTO.

Having equipped our Factory with entirely new machinery, we are prepared to furnish the best made goods in the market at closest prices and make prompt shipments.

Hand Laid Cotton Rope and Clothes Lines,
Cotton and Russian Hemp Plough Lines, plain and colored.
Cotton and Linen Fish Lines, laid and braided.
Netted Hammocks, white and colored, Tennis and Fly Nets.
Skipping Ropes, Jute, Hemp and Flax Twines.

JOSEPH RODGERS & SONS

Limited

SHEFFIELD, ENGLAND.

Each blade of our Goods bears the exact mark here represented.



JAMES HUTTON & CO., MONTREAL SOLE AGENTS IN CANADA.

CURRENT MARKET QUOTATIONS

Oct. 6, 1899.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—	
56 and 28 lb. ingots, per lb.	0 37
Straits	0 37

Tinplates.

Charcoal Plates—Bright.

	Per box
M.L.S., equal to Bradley.	
I.C., usual sizes	$6 50
I.X., "	7 75
I.X.X., "	9 00
J. R. & Co.—	
I.C	6 00
I.X	7 25
I.X.X	8 50
Famous—	
I.C.	6 25
I.X.	7 50
I.X.X	8 75
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	5 75
I.X.X. "	6 50
I.X.X.X., "	7 25
D.C., 12½x17	4 50
D.X	5 25
D.X.X	7 25

Coke Plates—Bright.

Bessemer Steel—	
I.C., usual sizes	4 35
I.C., special sizes, base	4 50
20x28	8 75

Charcoal Plates—Terne.

Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 50
I.X., Terne Tin	10 50

Charcoal Tin Boiler Plates.

	Per lb.
Cookley Grade—	
X X., 14x56, 50 sheet bxs }	0 07 0 07½
" 14x60 " }	
" 14x65, " }	

Tinned Sheets.

72x30 up to 24 gauge	0 07½ 0 08
" 26 "	0 08 0 08½
" 28 "	0 08½ 0 09

Iron and Steel.

	Base	Price
Common Bar, per 100 lbs	2 30	2 35
Refined " "		2 65
Horse Shoe		2 40
Hoop steel, 1½ to 3 in. base, extras for smaller sizes		2 75
Swedish "	4 00	4 25
Sleigh Shoe Steel " base		
Tire Steel		
Machinery		2 65
Cast Steel, per lb	0 10	0 14
Toe Calk Steel		
Thos. Firth & Sons' Cast Steel	0 12	0 14
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker.	2 00	2 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½-inch	0 11
2 "	0 12
2½ "	0 14
"	

Steel Boiler Plate.

¼ inch	3 25
3-16 inch	3 40
⅜ inch and thicker	3 25

Black Sheets.

18 gauge	2 75
20 gauge	2 75
22 to 24 "	2 90
26	3 00
28 "	3 25

Canada Plates.

All dull, 52 sheets	2 75
Half polished	2 85
All bright	3 25

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ⅜ inch $3 60 ; ½ inch, $3.70 ; ¾ inch, $4.70; 1 inch, $5.90; 1¼ inch, $7.85 ; 1½ inch, $9.75; 2 inch, $13.00. 2½ to 6 inch, discount 50 p.c.

Galvanized, ½ inch, $6.50; ¾ inch, $8.00 : 1 inch, $11.50 ; 1¼ inch, $16.00; 1½ inch, $20.00 ; 2 inch, $28.50.

Galvanized Iron.

	G C. Comet.	Amer.	Queen's Head
16 gauge			4 25
18 to 24 gauge	4 50	4 20	4 50
26 "	4 75	4 40	4 75
28 "	5 00	4 70	5 00

Less than case lots, 25c. per 100 lb. additional.

Chain.

Proof Coil, 3-16 in., per 100 lbs	
" ¼ " "	8 00
" 5-16 " "	6 00
" ⅜ " "	5 25
" 7-16 " "	5 00
" ½ " "	4 75
" ⅝ " "	4 50
" ¾ " "	4 50

Trace and tug chain, discount 45 p.c.

Jack chain, iron, single and double, discount 35 p.c.

Jack chain, brass, single and double, discount 40 p.c.

Copper.

Ingot.		
English B. S., ton lots	0 20	0 21
Lake Superior		
Bolt or Bar.		
Cut lengths, round, ½ to ⅞ in.	0 23½	0 25
" round and square 1 to 2 inches	0 23½	0 25
Sheet.		
Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 23	0 23½
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 23	0 23½

NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.

Tinned copper sheets	0 26
Planished	0 32
Braziers. (In sheets.)	
4x6 ft. 25 to 30 lbs. ea., per lb.	0 25½
" 35 to 45 "	0 24½
" 50-lb. and above, "	0 23½
Boiler and T. K. Pitts.	
Plain Tinned, per lb	0 28
Spun, per lb	0 32

Brass.

Roll and Sheet, 14 to 30 gauge. 5 per cent.

Sheets, hard-rolled, 2x4	0 24	0 25
Tubing, base, per lb	0 24	0 25

Zinc Spelter

Foreign, per lb	0 07½ 0 07¾
Domestic "	

Zinc Sheet.

5 cwt. casks	0 08
Part casks	0 08¼

Lead.

Imported Pig, per lb	0 04¼ 0 04½
Domestic, per lb	
Bar, 1 lb	05
Sheets, 2½ lbs. sq. ft., by roll.	0 05¼ 05½
Sheets, 3 to 6 lbs., per sq. ft., by roll	0 05 0 05¼

NOTE.—Cut sheets ½ cent per lb. extra

Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 20 per cent. discount

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths, lists at 7½ cents.

Shot.

Ordinary, drop, $4.75 per 100 lb. ; chilled, $5.15 per 100 lb. F.O.B. Toronto : terms 3 per cent. cash, freights equalized on Montreal.

Soil Pipe and Fittings.

Discount, 50 and 10 per cent. on medium and extra heavy, and 50 per cent. on light.

Solder.

	Per lb.	Per lb.
Bar half-and-half	0 21	0 22
Refined	0 20½	0 21½
Wiping	0 20	0 20½

NOTE.—Prices of this graded according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 11 0 11½

White Lead.

	Per cwt.
Pure, Assoc. guarantee, ground in oil, 25 lb. irons	6 12½
No. 1 do	5 75
No. 2 do	5 37½
No. 3 do	5 00
No. 4 do	4 62½
Robertson's Chemically Pure	6 12½
Munro's Select Flake White	6 37½
Elephant and Decorators' Pure	6 12½
Brandram's B. B. Genuine	8 12½
" " No. 1	7 25
James' genuine	7 20½
" " No. 1	6 75

Red Lead.

Genuine, 560 lb. casks, per cwt.	$5 00
Genuine, 100 lb. kegs, per cwt.	5 25 5 50
No. 1, 560 lb. casks, per cwt.	4 75
No. 1, 100 lb. kegs, per cwt.	5 00

White Zinc Paint.

Elephant Snow White	0 08 0 09
Pure White Zinc	0 08 0 09
No. 1	0 06 0 07½
No. 2	0 05 0 06½

Dry White Lead.

Pure, casks	0 05⅛
Pure, kegs	0 05⅜
No. 1, casks	0 04⅞
No. 1, kegs	0 05⅛

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)

Pure, per gallon	1 00	1 10
Second qualities, per gallon	0 90	0 95
Barn (in bbls.)	0 70	0 90
The Sherwin-Williams Paints		1 30
Canada Paint Co's Pure	1 10	1 20
Robertson's Pure	1 00	1 10
Sanderson Pearcy's Pure	1 00	1 10
Toronto Paint and Color Co.'s Pure	1 10	1 20

Colors in Oil.

(25 lb. tins, Standard Quality.)

Venetian Red, per lb	0 05
Chrome Yellow	0 11
Golden Ochre	0 06
French "	0 05
Marine Black	0 09
" Green	0 09
Chrome "	0 08
French Imperial Green	0 19

Colors, Dry.

Yellow Ochre (J. C.) bbls. per cwt	1 35	1 40
Yellow Ochre (J.F.L.S.), bbls. per cwt		2 75
Yellow Ochre (Royal), per cwt	1 10	1 15
Brussels Ochre		2 00
Venetian Red (best), per cwt.	1 80	1 90
English Oxides, per cwt.	3 00	3 25
American Oxides, per cwt	1 75	2 00
Canadian Oxides, per cwt.	1 75	2 00
Super Magnetic Oxides, 93 p c.	2 00	2 25
Burnt Sienna, pure, per lb.		0 10
" Umber, " "		0 10
do aw		0 09
Drop Black, pure		0 09
Chrome Yellows, pure		0 18
Chrome Greens, pure, per lb.		0 12
Golden Ochre		0 03¾
Ultra marine Blue in 28-lb boxes, per lb.	0 08	0 24
Fire Proof Mineral, per 100 lb.		1 00
Genuine Eng. Litharge, per lb		0 07
Mortar Color, per 100 lb.		1 25
James' Gen. Red Lead, 100 lb		0 05
Pure Indian Red, No. 45, lb.		0 08
Whiting, per 100 lb.		0 55

Paris Green.

250 lb. casks	0 13½
50 lb. drums	0 14
1 lb. packages	0 15
½ lb. "	0 16½
1-lb. tins	0 15½

Sulphate of Copper.

Casks, for spraying, per lb.	0 07
100-lb. lots, do. per lb.	0 08

Putty.

Bladders in bbls.	1 80
Bladders in 100 or 200 lb. kegs or bxs	1 95
Bulk in bbls., per 100	1 65
Bulk in less quantities	1 80
25-lb. tins, 4 in case	2 05
12½-lb. tins, 8 in case	2 30

Quotations f.o.b. Toronto, Ottawa, Montreal, Hamilton, London, Guelph. For quantities less than 100-lbs., 2½c. per lb.

Varnishes.

(In 5-gal. lots.)		Per gal.
Carriage, No. 1	1 30	1 40
Extra do.	1 50	1 60
Body Varnish	3 40	3 50
Furniture Varnish	0 60	0 75
Extra do.	1 10	1 20
Demar Varnish		1 60
Hard Oil Finish	1 30	1 45
Orange Shellac Varnish	2 00	2 10
White Shellac	2 20	2 25
Rubbing Varnish		2 00
Brown Japan	85	1 00
Elastic Oak		1 40

Linseed Oil.

Raw, per gal. net	0 58
Boiled, per gal. net	0 61

Outside points 1c. more than above figures

Turpentine.

1 to 4 barrels, net	0 76

Outside points 1c. more

Castor Oil.

In cases, per lb	0 09
Small lots	0 10

Cod Oil, Etc.

Cod Oil, per gal.	0 50 0 55
Pure Olive	1 20
" Neatsfoot	90

Glue.

(In bbls.)

Common	0 08½ 0 09
French Medal	0 12 0 12½
Cabinet, sheet	0 11
White, extra	0 16 0 18
Gelatine	0 22 0 30
Strip	0 16 0 18
Coopers	0 19 0 20
A1 clear	0 09

HARDWARE.

Ammunition.

Cartridges.

B. B. Caps, Dom., 50 and 5 per cent.

Rim Fire Pistol, dis. 45 p. c., Amer.

Rim Fire Cartridges, Dom., 50 and 5 p. c.

Rim Fire, Military, net list, Amer.

Central Fire Pistol and Rifle, 18 p.c. Amr.

Use Syracuse Babbitt Metal

IT IS THE BEST MADE



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds Machinery Bearings.

PIG TIN, LEAD, INGOT, COPPER, BRASS, NICKEL, ALUMINUM, ZINC SPELTER ANTIMONY, ETC., FURNISHED PROMPTLY.

Factories: 332 William St., MONTREAL, QUE. and SYRACUSE, N. Y.

Syracuse Smelting Works

Central Fire Cartridges, pistol sizes, Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.
Brass shot Shells, 55 and 10 per cent.
Primers, Dom., 80 per cent.

Wads.

	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½ lb. bags	0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	

Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.
Discount, 33⅓ per cent.

Anvils.

Per lb	0 10	0 12½
Anvil and Vice combined each		4 50
Wilkinson & Co.'s Anvils, lb.	0 09	0 09½
Wilkinson & Co.'s Vices, lb.	0 09¾	0 10

Augers.
Gilmour's, discount 50 and 10 p.c. off revised list.

Hollow, Stearn's, per dozen	13 00	20 00
Adjustable, Stearn's, each	4 50	6 50
Post-hole, Vaughan's, each	60	90

AXES.

Chopping Axes—		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00

Bench Axes, 40 and 15 p.c.
Broad Axes, 33⅓ per cent.

Hunters' Axes	5 50	6 00
Boy's Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Bath Tubs.

Zinc	3 90	4 00

Copper, discount 40 and 10 p.c. off revised list
Steel clad, 20 per cent. discount off revised list. Boxing extra.

Anti-Friction Metal.

Tandem " A	per lb.	0 23
" B	"	0 19
" C	"	0 11½

Magnolia Anti-Friction Metal, per lb. 0 25
F. O. B. New York or Chicago.

Bells.
Hand.
Brass, 60 per cent.
Nickel, 55 per cent.
Door.
Gongs, Sargant's 5 50 8 00
" Peterboro', discount 50 per cent.
Cow.
American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.
Farm.
American, each 1 25 3 00
House.
American, per lb 0 35 0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00

Blacksmiths', discount 60 per cent.

Belting.
Extra, 50 per cent.
Standard, 50 and 10 to 50, 10 and 5 per cent.
Agricultural, 60 and 10 p.c.

Bits.
Auger.
Gilmour's, discount 50 and 10 per cent.
Rockford, Common, 70 to 70 and 10 per cent.
" Perfection, 50 and 10 per cent.
Jennings' Gen., net list.
Car.
Gilmour's, 47½ to 50 per cent.
Expansive.
Clark's, 40 per cent.
Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind Rollers.

Annex, per doz	1 25	1 75
Mascott, "	1 35	1 85
Erminie, "	1 00	0 00

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Norway Bolts, full square	65
Common Carriage Bolts, 5-16 & under	55
" " " ⅜ and larger	50
" " " full square	65
Machine Bolts, all sizes	55
Coach Screws	67½
Sleigh Shoe Bolts	72½
Blank Bolts	55
Bolt Ends	62½
Nuts, square	3¾c.
Nuts, hexagon	4¼c.
Tapping Nuts	60
Tire Bolts	60 and 10
Stove Bolts	60 and 10
Stove rods, per lb	5½ to 6c.

Boot Calks.

Small and medium, per M	4 50	
Small heel, per M	4 25	

Broilers.
Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis 37½ per cent.

Henis, No. 8, "		6 00
Henis, No. 9, "		7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Plain building, per roll	0 28
Tarred lining, per roll	0 35
Tarred roofing, per 100 lb	1 40
Coal Tar, per barrel	3 75
Pitch, per 100-lb	0 60
Carpet felt, per 100 lb	2 25

Bull Rings.
Copper, $2.50 for 2½ in. and $2 for 2 in.

Butts.
Brass.
Wrought Brass, net revised list.
Cast Iron.
Loose Pin, dis., 60 per cent.
Wrought Steel.
Fast Joint, dis. 60 and 10 per cent.
Loose Pin, dis. 60 and 10 per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Cards.

Horse, per doz	0 60	1 00

Carpet Sweepers.

Bissell, per doz		22 50
World, "		21 75
Daisy, "		24 00
Star, "		18 00
Crown Jewel, per doz		29 00
Grand Rapids, "	24 00	33 00

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	

Castors.
Bed, new list, dis. 55 to 57½ percent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	50	9 50

Cement.

Canadian Portland	2 65	2 90
English "		3 00
Belgian "		2 70
Canadian hydraulic	1 00	1 10

Figures are for barrel lots.

Chalk.

Carpenters, Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.
Socket, Framing and Firmer.
Broad's, dis. 60 and 5 per cent.
Warnock's, dis. 60 per cent.

Churns.
Revolving Churns, metal frames—No. 0, $3—No. 1, $3.25—No. 2, $3.40—No. 3, $3.75—No. 4, $4.50—No. 5, $5.90 each. Ditto, wood frames—15c. each less than above.
Terms 4 months or 3 p.c off 30 days, f.o.b.

Cinder Sifters.

Per doz	1 25	

Clips.
Axle dis. 65 per cent.

Closets.

Plain Ontario Syphon Jet	$8 00
Emb. Ontario Syphon Jet	8 50
Fittings	1 00
Plain Teutonic Syphon Washout	4 75
Emb. Teutonic Syphon Washout	5 25
Fittings	1 00
Plain Richelieu	4 75
Emb. Richelieu	5 00
Fittings	1 25
Closet connection	1 25
Basins, round, 14 in.	0 65
" oval, 17 x 14 in.	1 55
" " 19 x 15 in.	2 30

Compasses, Dividers, Etc.
American, dis. 62½ to 65 per cent.

Cradles, Grain.
Canadian, dis. 20 per cent. from factory.

Dies.
Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. per cent.

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.
Broad's, dis 75 per cent.
Warnock's, dis. 50 and 10 per cent.

Drills.
Hand and Breast.
Millar's Falls, per doz. net list.
DRILL BITS.
Morse, dis., 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.
ELBOWS.
Stovepipe.

Per doz	0 85	1 70

ESCUTCHEON PINS.
Iron, discount 40 per cent.
FACTORY MILK CANS.
Discount off revised list, 45 per cent.
FILES.
Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Jowitt's, English list, 25 to 27½ per cent.
Mechanics' Star & File Mfg. Co. Discount 60 and 10 to 70 per cent.
FORKS.
Hay, manure, etc., dis., 60 and 10 to 60 and 5 p. c. revised list.
FREEZERS
Ice Cream.

White Mountain, 1 to 25 qt	1 35	13 50
Arctic, dis. 50 p.c.		

FRY PANS.
Acme, dis. 65 to 67½ per cent.
FRUIT PRESSES.

Henis', per doz	3 25	3 50

Shepard's Queen City, dis. 15 per cent.
GAUGES.
Marking, Mortise, Etc.
Stanley's dis. 50 to 55 per cent.
Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	Double Diamond Per 50 ft.	Double Diamond Per 100 ft
Under 26	2 10	4 00	3 50	6 00
26 to 40	2 30	4 35	3 75	6 65
41 to 50	....	4 75	....	7 25
51 to 60	....	5 00	....	8 50
61 to 70	....	5 35	....	9 25
71 to 80	....	5 75	....	10 50
81 to 85	....	6 50	....	11 75
86 to 90	....	7 25	....	14 00
91 to 95	....	....	....	15 50
96 to 100	....	....	....	18 00
101 to 105	....	....	....	21 00
106 to 110	....	....	....	24 00
111 to 115	....	....	....	28 00

16 x 16 10 per cent. off.

HALTERS.

Rope, ⅜ per gross	8 25	8 55
" ½ "	9 25	6 50
" ⅝ "	11 00	11 20
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.
Nail

Maydole's, dis 5 to 10 per cent. 25 to 27½ per cent.	Can.	dis.

Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz., net	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pair	0 40	2 50

Fork
C. & B., dis. 45 per cent. rev. list.
Hoe.
C. & B., dis. 45 per cent. rev. list.
Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.
Canadian, 45 per cent.
Cross-Cut Saws.

Canadian, per pair	0 13¾	0 20

HANGERS.

Door, 4 and 5 inch, per pair	0 40	0 50

Lane's, 62½ per cent.
HARVEST TOOLS.
Discount, 60, 10, and 5 per cent.
HATCHETS.
Canadian, dis. 40 to 42½ per cent.
HINGES.
Blind, Parker's, dis. 60 and 10 to 65 per cent
" Shepard's Noiseless, dis. 60 per cent.
" " Buffalo, dis. 60 to 70 p. c.

Heavy T and strap, 4-in., per lb		0 06
" " 5-in., "		0 05¾
" " 6-in., "		0 05½
" " 8-in., "		0 05¼
" " 10-in., "		0 05

Light T and strap, dis. 60 and 10 per cent.
Screw hook and hinge—

6 to 12 in., per 100 lbs		4 50
14 in. up, per 100 lbs		3 50
		Per gro. pair
Spring		8 50

HOES.

Garden, Mortar, etc., dis 60, 10 and 5 p.c.		
Planter, per doz	4 00	4 50

HOLLOW WARE

Discount, ... 45 and 5 per ent

HOOKS.

Cast Iron.

Bird Cage, per doz	0 50	1 10
Clothes Line, per doz	0 27	0 63
Harness, per doz	0 72	0 88
Hat and Coat, per gross	1 00	3 00
Chandelier, per doz	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.

Hat and Coat, discount 60 per cent.

Belt, per 1,000	0 60	0 70

Screw, bright, dis. 65 and 10 per cent.

HORSE NAILS.

"C" brand 50 p.c. dis. } Oval head.
"M" brand 50 p.c. }

Acadian, 50 and 20 p.c., countersunk head.

HORSESHOES.

Iron Shoes.	F.O.B. Toronto. No. 2 and larger.	No. 1. and smaller.
Light, medium, and heavy.	3 60	3 85
Snow shoes	3 85	4 10
Steel Shoes.		
Light	4 00	4 25
Featherweight (all sizes)	5 25	5 25

JAPANNED WARE.

Discount, 50 per cent. off list, June, 1899.

ICE PICKS.

Star, per doz	3 00	3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.

Copper, per lb	0 30	0 50

American, 60 and 10 to 65 and 5 p c.

KEYS.

Lock, Can., dis., 50 p.c.

Cabinet, trunk, and padlock, Am. per gross	60

KNOBS.

Door, japanned and N.P., per doz		1 00
Bronze, Berlin, per doz	2 75	3 25
Bronze Genuine, per doz	6 00	9 00
Shutter, porcelain, F. & L. screw, per gross	1 30	4 00

KNIVES.

Hay knives, spear point, L. or T handle, 60 10 and 5 per cent.

Lightning, per doz	6 50	8 40

Health's, $7.75 net.

LANTERNS.

Cold Blast, per doz	7 50
No. 4 "Wright's"	8 50
Ordinary, with O burner	4 25
Dashboard, cold blast	9 50
No. 0	6 00

Japanning, 50c. per doz. extra.

LEMON SQUEEZERS.

	per doz.	
Porcelain lined	2 20	5 60
Galvanized	1 87	3 85
King, wood	2 75	2 90
King, glass	4 00	4 50
All glass	1 20	1 30

LINES.

Fish, per gross	1 05	2 50
Chalk "	1 90	7 40

LOCKS

Canadian, dis. 33⅓ p.c.

Russell & Erwin, per doz	3 05	3 25

Cabinet.

Eagle, dis. 30 p.c.

Padlock.

English and Am., per doz	50	6 00
Scandinavian, "	1 00	2 40

Eagle, dis. 15 to 17½ p.c.

MACHINE SCREWS.

Iron and Brass.

Flat head, discount 25 p.c.

Round Head, discount 20 p.c.

MALLETS.

Tinsmiths', per doz	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz.	3 85	5 00
Caulking, each	60	2 00

MATTOCKS

Canadian, per doz	8 50	10 00

American, 60 and 10 p.c. off list.

MEAT CUTTERS.

American, dis. 30 to 32⅓ p.c.

German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2d. and 3d	$3 50	$4 30
3d	3 15	3 95
4 and 5d	2 90	3 80
6 and 7d	2 80	3 65
8 and 9d	2 65	3 45
10 and 12d	2 60	3 40
16 and 20d	2 55	3 35
30, 40, 50 and 60d. (base)	2 50	3 30

Steel Cut Nails 10c. extra.

NAIL PULLERS.

German and American	1 85	3 50

NAIL SETS.

Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.

Poultry, 40 per cent. for McMullen's.

OIL.

Canada refined (Toronto)	....	0 13½
Sarnia Water White	....	0 15
Pratt's Astral	....	0 18
Sarnia, Prime White	....	0 14
American w. w.	....	0 16½

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz. 0 00 11 00

Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz	1 25	3 50
Brass, "	1 50	3 50

Malleable, dis. 25 per cent.

PAILS.

	per doz.	
Galvanized, straight pattern No. 12	....	2 00
Galvanized, straight pattern No. 14	....	2 25
Galvanized, straight pattern No. 16	....	2 55
Flaring pattern, No. 11	....	2 25
" " No. 12	....	2 50
" " No. 13	....	2 85
" " No. 14	....	3 30

PIECED WARE.

Discount, 45 per cent. off list, June, 1899.

PICKS.

Per doz	6 00	9 00

PICTURE NAILS.

Porcelain head, per gross	1 40	3 00
Brass head, "	0 40	1 00

PLANES.

Wood, bench, Canadian dis. 55 per cent. American dis. 55.

Wood, fancy Canadian or American, 37½ to 40 per cent.

Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.

Miscellaneous, dis. 25 to 27½ per cent.

Bailey's Victor, 25 per cent

PLANE IRONS.

English, per doz	2 00	5 00

PLIERS AND NIPPERS.

Button's Genuine, per doz pairs, dis. 37½ 40 p.c.		
Button's Imitation, per doz	5 00	9 00
German, per doz	0 60	2 60

PULLEYS.

Hothouse, per doz	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS

Canadian cistern	1 40	2 25
Canadian pitcher spout	1 15	2 00

PUNCHES.

Saddlers', per doz	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set	0 00	0 72
" hollow, per inch	0 00	1 00

RAKES.

Cast steel and malleable Canadian, list dis. 50 and 10 p.c. revised list.

Wood, 25 per cent.

RASPS AND HORSE RASPS.

New Nicholson horse rasp, d scount 60 p.c.

Globe File Co.'s rasps, 60 and 10 to 70 p.c.

Heller's Horse rasps, 50 to 50 and 5 p.c.

RAZORS.

	per doz.	
Geo. Butler & Co.'s	8 00	18 00
Boker's	7 50	11 00
Wade & Butcher's	3 60	10 00
Theile & Quack's	7 00	12 00

REAPING HOOKS.

No. 2	....	$2 00
No. 3	....	2 05
No. 4	....	2 15
No. 5	....	2 20

REGISTERS.

Discount, ... 60 per cent.

RIVETS AND BURRS.

Carriage, Section, Wagon Box Rivets, etc. (Steel), 45 p c.

Black M. Rivets (Steel), 45 p.c.

Black and Tinned Rivets, 45 p.c.

Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.

Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.

Copper Rivets & Burrs, 35 p.c. dis., and cartons, 1c. per lb. extra, net.

Extras on Tinned or Coppered Rivets in ½-lb. cartons, 1c. per lb.

Burrs, iron or steel, 40 per cent.

Terms, 4 mos. or 3 per cent. cash 30 days.

RIVET SETS.

Canadian, dis. 35 37½ per cent.

ROPE, ETC

	Sisal.	Manila.
7-16 in. and larger, per lb.	12½	15
⅜ in.	13	15½
¼ and 5-16 in.	13½	16
Cotton		14
Russia Deep Sea		15½
Jute		8
Lath Yarn		9¾
New Zealand Rope		10½

RULES.

Boxwood, dis. 75 and 10 p.c.

Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

Mrs. Potts, per set	0 70
" N. P., per set	0 85

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.

B & A. sand, 40 and 2½ per cent.

Emery, 40 per cent.

SASH CORD.

Per lb	0 20	0 50

SASH WEIGHTS.

Sectional, per 100 lbs	....	3 25
Solid, "	....	1 50

SAWS.

Hand, Disston's, dis. 12½ to 15 p.c.

S. & D., 40 per cent.

Crosscut, Disston's, per ft	0 35	0 55

S. & D., dis. 35 p.c. on Nos. 2 and 3.

Hack, complete, each	0 75	2 75
" frame only	....	0 75

SAW SETS.

"Lincoln," per doz	5 50	6 00

SCALES

Gurney Scales, 45 p.c.

B. S. & M. Scales, 45 p.c.

Champion, 55 per cent.

Fairbanks Standard, 45 p.c.

" Dominion, 60 p.c.

" Richelieu, 60 p.c.

Chatillon Spring Balances, 25 p.c.

SCREENS.

Door, patent per doz	6 00	12 00
Window, per doz	2 00	3 00

SCREW DRIVERS.

Sargent's, per doz	0 65	1 00

SCREWS

Wood, F. H., iron, and steel, 80 and 5 p.c.

Wood R. H., " dis. 75 and 5 p.c.

" F. H., brass, dis. 75 and 5 p.c.

Wood, R. H., " dis. 67½ and 5 p.c.

" F.H., bronze, dis. 67½ and 5 p.c.

" R.H. 62½ and 5 p.c.

Drive Screws, 82½ and 5 per cent.

Bench, wood, per doz	3 25	4 00
" iron, "	4 25	5 75

SCYTHES.

Discount, per doz. net	4 50	6 00

SCYTHE SNATHS.

Canadian, dis. 50 p.c.

SHEARS

Seymour's, dis. 50 and 10 p.c.

Heinisch, dis. 50 and 10 p.c.

Seymour or Heinisch tailor shears. 15 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SNAPS.

Harness, German, dis. 35 to 37½ p.c.		
Acme	3 00	5 00
Lock, Andrews'	4 50	11 50

SOLDER.

Bar, half-and-half	0 21¼	0 22
Refined	0 20½	0 21
Wiping		0 19½

SOLDERING IRONS.

1, 1½ lb., per lb	0 37
2 lb. or over, per lb	0 34

WROUGHT SPIKES.

Discount, 35 to 40 per cent.

SQUARES.

Iron, per doz	1 65	2 90

Steel, dis. 50 and 10 per cent., revised list.

Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p c. off revised list.

Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized		3 80
Bright		3 55

STOCKS AND DIES.

American dis. 25 p.c.

STONE.	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador	....	0 13
" Axe	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, per ton	15 00	18 00

STOVE PIPES.

5 to 6 inch, per 100 lengths	....	6 75
7 inch, per 100 lengths	....	7 25

Stove Polish.



No. 4—3 dozen in case, net cash	....	$4 50
No. 6—3 dozen in case, "	....	7 50

STEP LADDERS.

Best grade, from 3 to 10-ft. long, per foot, 16c.

2nd grade, 3 to 10-ft., per foot, 10c.

TACKS BRADS, ETC.

	Per cent.
Strawberry box tacks, bulk	75 and 10
Cheese-box tacks, blued	85
Trunk tacks, black and tinned	85
Carpet tacks, blued and tinned	80
" " (in kegs)	40
Cut tacks, blued, in dozens only	75 and 5
" ¼ weights	60
Swedes, cut tacks, blued and tinned—	
In bulk	80 and 12½
In dozens	75
Swedes, upholsterers', bulk	85
" brush, blued and tinned, bulk	50
" gimp, blued tinned & japanned	75
Zinc tacks	30
Leather carpet tacks	60
Copper tacks	50
Copper nails	52½
Trunk nails, black and tinned	70
Clout nails, blued and tinned	70
Chair nails	40
Cigar box nails	40
Patent brads	45
Fine finishing	45
Picture frame points	20
Lining tacks, in papers	10
" " in bulk	15
" " solid heads, in bulk, 75 and 12½	
Saddle nails in papers	10
" in bulk	15
Tufting buttons, 22 line, in dozens only	60
Tin capped trunk nails	15
Zinc glazier's points	5
Double pointed tacks, dozens	85
" " " bulk	40

TAPE LINES.

English, ass skin, per doz	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TINWARE.

Stamped, dis., Asso. list, 80 per cent.

Japanned, prices on application.

Pieced, prices on application.

TRANSOM LIFTERS.

Payson's per doz		2 60

TRAPS. (Steel.)

Game, Newhouse, dis. 40 p c.

Game, H. & N., P. S. & W., 65 p.c.

Game, steel, 72½, 75 p.c.

TROWELS.

Disston's, discount 10 per cent.

German, per doz	4 75	6 00
Brade's "	5 00	10 50

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb	....	0 21
Wrapping, mottled, per pack.	0 50	0 60
Wrapping, cotton, per lb	0 17	0 18
Mattress, per lb	0 33	0 45
Staging, "	0 27	0 35
Broom, "	0 30	0 55

VISES.

Hand, per doz	4 00	6 00
Bench, parallel, each	2 00	4 50
Coach, each	6 00	7 00
Peter Wright's, per lb	0 12	0 13
Pipe, each	5 50	9 00
Saw, per doz	6 50	13 00

ENAMELLED WARE.

White Ware, discount 50 per cent.

WIRE.

Brass wire, 50 to 50 and 2½ per cent. off the list.

Copper wire. 45 and 10 per cent. net cash 30 days, f.o.b. factory.

Smooth Steel Wire, base, $3.35 f.o.b. factory points List of extras: Nos. 2 to 5, advance 7c. per 100 lb.—Nos. 6 to 9 base—No. 10, advance 7c.—No. 11, 14c.—No. 12, 20c—No. 13, 35c.—No. 14 47c.—No. 15, 60c—No. 16, 75c. Extras net per 100 lb.: Coppered wire, 60c—tinned wire, $2—oiling, 10c.—special hay-baiting wire, 30c.—spring wire, $1—best steel wire, 75c.—bright soft drawn, 15c. in 50 and 100-lb. bundles net, 10c.—in 25-lb. bundles net, 15c.—packed in casks or cases, 15c.—bagging or papering, 10c.

Fine Steel Wire, dis. 12½ per cent. factory. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, $7.65—No. 24, $8—No. 25, $9—No. 26, $9.50—No. 27, $10—No. 28 $11—No 29, $12—No. 30, $13—No. 31, $14—No 32, $15 No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25 $2—Nos. 26-31, $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ¼-lb. hanks, 75c.—in ⅛-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.

Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.60—No. 9, $3.10—No. 10, $3.70—No. 11, $3.75—No. 12, $3 20—No. 13, $3.45—No. 14, $4 10—No. 15, $4.70—No. 16, $4.85.

Broom Wire, per lb	0 05	0 05½
Clothes Line Wire, 19 gauge, per 1,000 feet	....	3 30

WIRE FENCING.

	F.O.B Toronto
Galvanized, 4 barb, 2¼ and 5 inches apart	3 25
Galvanized, 2 barb, 4 and 6 inches apart	3 25
Galvanized, plain twist	3 25

Terms, 2 per cent. in 10 days.

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Painted Screen, per 100 sq. ft., net	1 75

WRENCHES.

Acme, 35 to 37½ per cent.

Agricultural, 70 to 70 and 10 p.c.

Standard dis. 60, 60 and 10 per cent.

Coe's Genuine, dis. 50 to 25 p.c.

Diamond dis. 33⅓ to 25 per cent.

Towers' Engineer, each	2 00	7 00
" S., per doz	5 80	6 00
G. & K.'s Pipe, per doz	....	3 40
Burrell's Pipe, each	....	3 00
Pocket, per doz	0 25	2 90

WRINGERS.

Leader	per doz.	$60 00
Royal Canadian	"	58 00
Royal American	"	48 00

Discount, 45 per cent.: terms 4 months, or 3 p c. 30 days. Prices are f.o.b. London, Hamilton Toronto, Brockville or Montreal.

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HACK SAWS
BUTCHER SAWS
BRACKET SAWS

THE STAR HACK SAW

Has a file temper, and one 5-cent blade will do more work than $1 worth of files. It will cut off an inch square bar of steel 100 times without filing.

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Will cut four times as long without filing as any other kind in use. It will cut off a half-inch rod of iron 30 times.

THE STAR BRACKET SAW

Is taking the place of all other kinds.

None of these Star Saws are to be filed, as the price is less than the cost of filing. They are taking the place of all other saws as fast as they become known.

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We also make a Power Hack Saw which may be found in most machine shops and iron working establishments, and should be found in all.

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Draining Tools

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All our goods have trade mark on the handle.



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Made with shorter barrel for bicycle use.

The most perfect small pistol made.

SEND FOR CATALOGUE.

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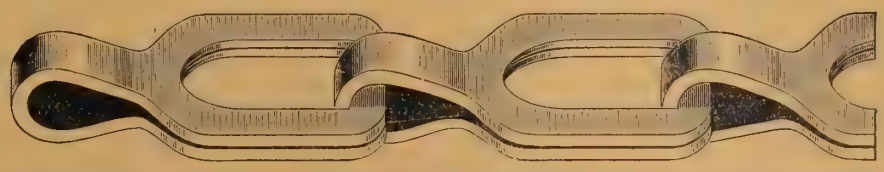
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AMERICAN COW TIES

WILL OUTLAST ALL OTHERS.



This is because the form of the link, the exact size and shape of which are shown above, is such that the wear is distributed evenly over its entire end. The bearing surface is thus very large, and the chain will wear for years without becoming worn appreciably.

With other styles of chain the bearing surface is only a very small portion of the extreme end of the link. Grooves are soon formed, and in a comparatively short time the links are worn—or, properly speaking, cut—through.

These facts are well shown on a cow tie recently brought us for repairs. It was an ordinary No. 00 three chain tie. One chain was wire, the other two American. One of the wire links was worn entirely through. The others were nearly as bad—a strong pull would have broken almost any of them. With the American chains, on the other hand, the wear was very slight, and hardly noticable—three times this amount would not have weakened the chains seriously.

In addition, because of its flat link and smooth surface, American chain is much easier for the neck of the animal than the twisted or wire chain. The American link cannot injure the animal's neck—other styles of link are very liable to.

American Cow Ties are made in all the standard patterns and sizes. They are sold by all jobbers.

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HARTFORD TIRES

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make them the most desirable stock you can handle.

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FRONT DRAW-OUT GRATE
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and other improved features give them a quickly appreciated precedence over other ranges.

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HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XI. MONTREAL AND TORONTO, OCTOBER 14, 1899. NO. 41

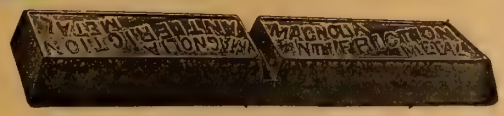


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Magnolia Metal is still selling at the same price it has always sold at—no advance.

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Owners and Sole Manufacturers,
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so they say about many other brands comparing them with "**QUEEN'S HEAD**," but the claim only proves that "**QUEEN'S HEAD**" is the standard, and there is no brand which you can safely substitute.

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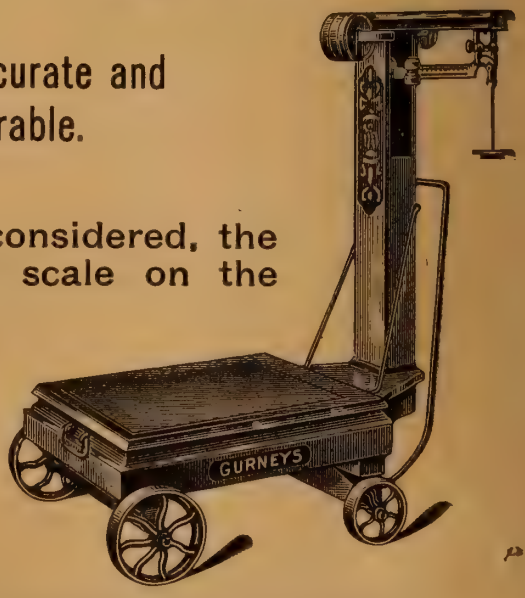
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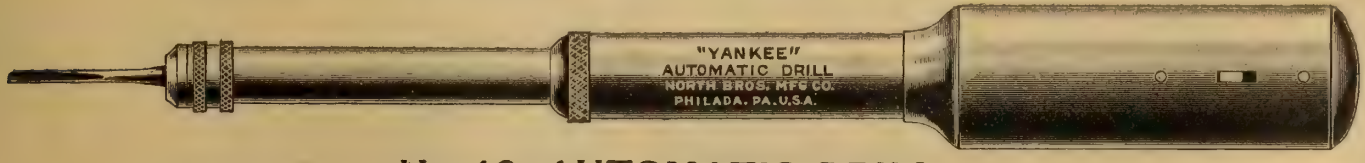
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No 40 AUTOMATIC DRILL.

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ECONOMY IN USING FUEL
DIFFUSIVE FLUE CONSTRUCTION
FRONT DRAW-OUT GRATE
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and other conveniences, give it a superiority quickly appreciated.

You're sure of speedy sales when handling the Imperial Oxford.

Better write us for full information and price list.



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LIMITED

DESERONTO, ONT.

Manufacturers of

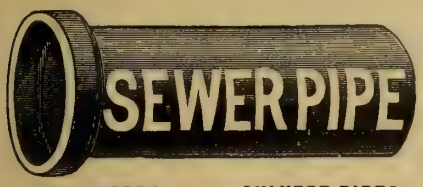
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Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

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WIND GUARDS, CHIMNEY TOPS, FLUE LININGS,
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Children's Delight, Satisfying to all, Perfectly Safe, Very Strong, Most Restful and Invigorating.

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Hardwood CHARCOAL in Bulk or Sacks.

WOOD ALCOHOL equalling Methylated Spirits as a solvent.

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We have been making horse nails in Canada—and nothing else—for the past thirty-four years, and we think that long experience should afford the purchaser a reasonable guarantee that when he buys a box of our "C" brand, he is getting something that can be relied upon. That is the important feature of the "C" brand—it can always be depended upon to fulfil the most exacting tests in workshop practice that is ever required of a horse nail. The "C" brand nails are made from the best material known in the world for the purpose — Swedish Charcoal Steel Nail Rods. They are the toughest and most enduring nail made, and will drive into the hardest hoofs without bending, and yet clinch perfectly. They are the best proportioned, plenty of strength where it is needed most. No danger of heads flying off; they will hold the shoe on longest and prove the toughest nail made in Canada.

They are fully warranted to every purchaser to be absolutely perfect, and as represented, and will be replaced free of cost if found otherwise.

As our "C" brand is sometimes imitated, also other brands frequently substituted, we ask particularly that when our "C" brand is ordered to see that you get it, and no other.

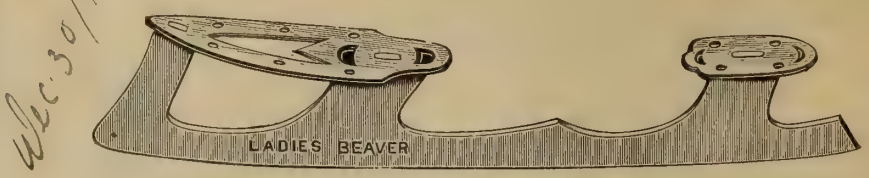
Our registered trade mark (the one letter "C") and our name in full is on every box.

Canada Horse Nail Company

MONTREAL

NAILS

LADIES' BEAVER SKATE



Dec 30/99

Light in weight, Beautiful in design, Superb in finish.

The ideal skate for ladies' use.

See that the makers' name is on each blade.

THE STARR MANUFACTURING CO., Limited,

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One of the
LEADING WHOLESALE HARDWARE HOUSES
in Montreal to-day is

SEYBOLD, SON & CO.,

Established 30 years.

Carrying a complete assortment of HARDWARE, from a Needle to an Anchor.



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

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Flat . . Bridled Paint . . Brushes

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The quality of our brands is unquestioned.

They are the best that can be made by brains, selected material, and machinery.

Every ingredient is thoroughly tested before being used.

They are made in large variety of lines and meet the requirements of all classes.

They are profitable both for you and your customers.

CRESCENT STEEL AGATE WARE. CATCHES CAREFUL COOKS.

Our lines of ***WHITE, BLUE and WHITE,*** and Decorated ware are very complete.

A sample order will convince you as to their merits. Write us for prices.

The Thos. Davidson Mfg. Co., Limited, Montreal, Que.

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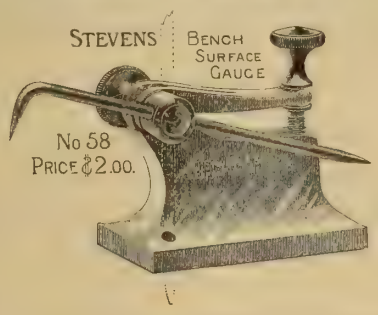
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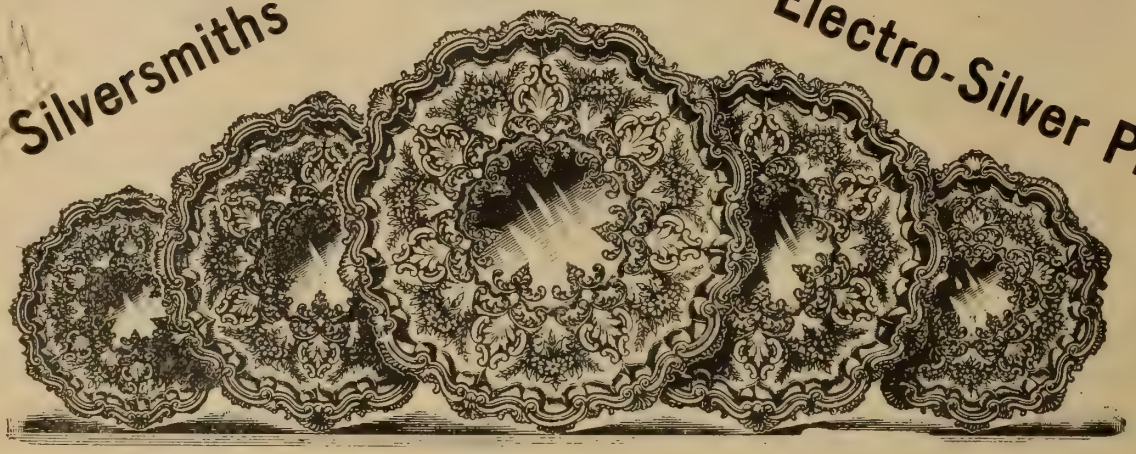
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"THE GOODERHAM COMPANY." LIMITED.

- and Manufacturers of -

Silversmiths Electro-Silver Plate



No. 12213, E P. N. S. Waiter, in five sizes.

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We are not members of the Silverware Trust or of any Silverware Association or Combine.

If interested in the class of goods we from time to time bring before your notice, and in the trade, write for our new

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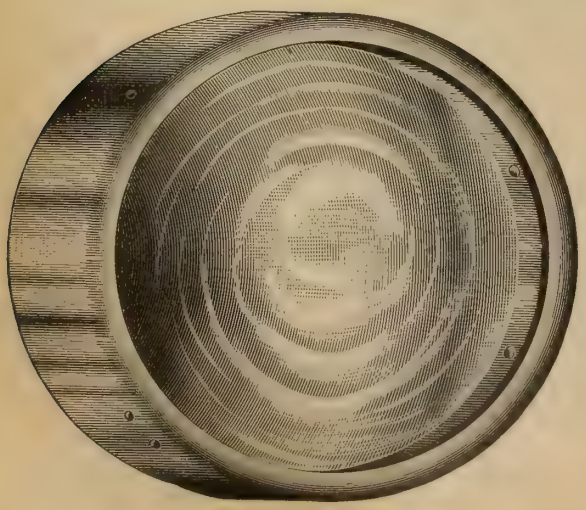
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Introduced to the Trade in

1898

and generally pronounced to be the best ever offered.



The **Broad Hoop, Roll-Rim Milk Can Trimmings**

have been improved for season of

1899

and will be found to be the strongest, and therefore the most serviceable.

Kemp Manufacturing Co.

TORONTO.

HARDWARE AND METAL

Vol. XI, MONTREAL AND TORONTO, OCTOBER 14, 1899. No. 41

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WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

WHITE LEAD THIRTY-SEVEN AND ONE-HALF CENTS DEARER.

IT was intimated in last week's issue of HARDWARE AND METAL that an advance in the price of white lead was quite probable within the next few days. The expected has happened, for we this week announce an advance of 37½c. per 100 lb. all around. The change went into effect on Tuesday. The new prices in Montreal and Toronto are as follows:

	Montreal.	Toronto.
Pure lead	$6 37½	$6 50
No. 1	6 00	6 12½
No. 2	5 62½	5 75
No. 3	5 25	5 37½
No. 4	4 87½	5 00

The price at Ottawa and Hull is the same as at Montreal; the price in Hamilton, London, Windsor, Ont., St. John, N.B., and Halifax, N.S., is the same as in Toronto. Freights are equalized from Montreal and Ottawa, and also on Toronto. Hamilton, Windsor, St. John, N.B., and Halifax.

There is a freight allowance of 10c. per 100 lb. on shipments to Winnipeg. Shipments to Manitoba and to the Northwest Territories are equalized on Montreal.

The prices in the above table are for packages of 25-lb. and upwards. On smaller packages the following extras will be charged:

12½ lb	½c. per lb. extra.
7 to 10 lb	1c. " "
3, 4 and 5 lb	2c. " "
1 and 2 lb	2½c. " "

STRONG GALVANIZED IRON MARKET

The outlook for galvanized iron is decidedly strong.

Importers in Canada were this week advised of an advance of 10c. per 100 lb. on galvanized iron of American make, while advices from Great Britain state that the manufacturers there will not accept orders for shipment later than December 31, on account of an expected advance in prices.

It has been contended that, as far as American galvanized is concerned, that prices have for sometime been lower than they should be compared with other lines.

GALVANIZED PAILS DEARER.

Among the changes which have been made in quotations during the past week is an advance of 10 per cent. in the price of galvanized pails, galvanized flaring pails and galvanized washtubs.

The discount is now 45 per cent., instead of 50 per cent. as formerly.

ANOTHER RISE IN CUT NAILS.

Last week we had to notice a rise of 25c. per keg in cut nails. Makers have since supplemented it with another advance of 10c. per keg, making the appreciation 35c. in the fortnight.

The base price is now $2.60 per keg f.o.b. Montreal, Toronto, Hamilton and London.

Prices of cut nails in the Eastern States advanced 15c. per keg last week. The price of cut nails f.o.b. Pittsburg to retailers is now $2.65 in carload lots and $2.80 in less quantities.

ENAMELED WARE DEARER.

The advance in enameled ware which HARDWARE AND METAL predicted has taken place.

The discount on "Princess" ware, "Turquoise" ware and blue and white ware is now 50 per cent.; on "Diamond" ware, "Famous" ware, and "Premier" ware, it is 50 and 10 per cent., and on "Granite" or "Pearl" ware, "Imperial" ware and "Crescent" ware, the new discount is 50, 10 and 10 per cent.

This is the first time a uniform list on the brands named above has existed. On white ware there has, of course, been a uniform list for some time.

A new price list is to be issued. It is now in the printers' hands and will be forwarded to the trade in a few days.

MISCELLANEOUS NAILS.

In our market reports, it will be noted that many lines of small nails are higher. For instance, flour barrel nails, coopers' nails and pressed spikes are 10 per cent. up, while boat nails are 3⅓ per cent. higher than they were, and galvanized roofing nails 5 per cent. dearer.

BRITISH STEEL ASKED FOR.

TWELVE months or two years ago, had anyone in the trade told manufacturers' agents or importers that heavy British steel could ever successfully compete in the United States with the domestic product, let alone in Canada, they would have been laughed at. Yet, the inquirer who cares to pay a visit to commissionmen who represent British firms will find that it is doing so.

They report that manufacturers in Ontario, particularly carriagemakers, have bought considerable qualities of English carriage spring steel, and that not only are they experiencing demand from these, but that they are getting inquiries from the United States.

One case in point was noted this week, when a firm in Cleveland, Ohio, asked an agent in Montreal for an f.o.b. quotation New York and Cleveland, on 100 odd tons of English carriage spring steel similar to some that the agent had sold to an Owen Sound, Ont., maker.

This is certainly an unusual circumstance, testifying to the extraordinary situation of the iron and steel market in the United States.

British makers also are so busy that the agent was doubtful if he could get a quotation on the lot in question in the time specified.

According to advices from the United States also, some remarkable transactions in iron and steel are reported.

Three of the largest steel-making concerns in the country have been making very heavy purchases of Bessemer pig and also of steel billets nearly all for delivery next year, and evidently to provide means of filling heavy contracts which have been taken, or are soon to be, for rails and other railway equipment. Thus it is stated that about 250,000 tons steel rails have been contracted for, about equally divided between the eastern and western works, 50,000 tons being named for the Burlington & Quincy and 25,000 for the St. Paul. Contracts are also reported for 200,000 tons of billets for next year's delivery, much of it at $35 per ton, although the conference of rail-makers at this city decided upon $33 per ton as the price of rails for next year. Purchases of Bessemer pig are said to include 110,000 tons by the Federal Steel Company, and large quantities by the leading makers of Pittsburg in part on old options, at somewhat lower prices than those now ruling, but in part at the top price, $23.75 for Bessemer. Grey Forge is quoted a shade lower than a week ago at $21 per ton, with anthracite and Chicago coke at the highest quotation thus far.

LOWER DISCOUNT ON LEAD PIPE.

On account of the increased cost of raw material an advance has been decided upon by the lead pipe manufacturers.

The new discount is 17½ per cent. instead of 20 per cent.

A FACTOR IN SUCCESS.

IT is surprising how small a matter may help or hinder a man's progress. No matter where a man is, or whether it be during office hours or not, he is watched, and his actions may mean much to him one way or another.

The writer was in the office of a progressive commission merchant yesterday when an agent called. The merchant treated him in the ordinary business way, and gave him an order. The transaction seemed quite ordinary until after the man had gone out, then, the merchant turned to his partner and said: "I didn't particularly want to buy that ——, but I saw that man three or four times in places that I liked to see him, and felt when he came in that I should give him an order."

The incident is significant. The agent took his order and went out, little realizing that it was his actions out of business hours that were responsible for the sale. Possibly he never knew that he was seen at the places the merchant saw him.

There may be a touch of sentiment in this action, but, notwithstanding the remark attributed to a prominent politician, that "business is business," there is more or less sentiment in every business man.

From the standpoint of business principles alone, however, it is the best policy to always remember that one is judged, and that as success is due, to a considerable extent, to the opinion in which we are held by our fellows, our lives should at all times be such as to commend ourselves as trustworthy, able and energetic.

THANKSGIVING DAY.

As far as can be learned, the business men of Canada are gratified with the action of the Government in fixing Thanksgiving Day at an earlier date than usual. One of them is Mr. John T. James, general merchant, Bridgeburg, Ont., who has for some years taken an interest in the movement inaugurated by HARDWARE AND METAL regarding an earlier Thanksgiving Day, and, under date of October 9, he writes as follows:

> Allow me to congratulate you upon the success of your agitation for an earlier Thanksgiving Day. Be it said to the credit of the Government, that they have, in this instance, harkened to the voice of business men, and given us a great boon. I noticed, in last week's dailies, a complaint that turkeys will not be ready so early, and there will be a scarcity on the market, because farmers did not know of the change soon enough. Well, they know it now, and can get a hustle on, and they will be right glad to get their birds off earlier. We warned the turkeys last fall that they should attend to their mating business earlier this year. We have done our part, and secured the desideratum, now let the farmers and turkeys do their part.

IRON PRICES IN GREAT BRITAIN.

Although the price of metals in Great Britain has not advanced with such phenomenal jumps as in the United States, the upward movement has been by no means insignificant, as will be gathered, particularly when a comparison is made between the quotations ruling now and those of a year ago.

Take for example the prices ruling at the end of September during 1899 and 1898 respectively. Foundry pig iron, is some 25s. dearer, and Scotch warrants, at Glasgow, show an appreciation of 21s. Steel rails are about £2 higher than a year ago. Steel rails are quoted £1 to £1 8s. higher, and steel plates for ships are up £1 10s. above the figures ruling at the end of September, 1898.

ADVANCE IN WOODENWARE.

The manufacturers of woodenware are preparing a new price list, and have this week withdrawn the old list. In the meantime, however, prices have been advanced 10 per cent. on the old list.

IMPORTANT CHANGES IN OIL AND TURPENTINE.

IMPORTANT changes were made in the prices and terms of linseed oil and turpentine on Tuesday.

In linseed oil the basis of selling has been completely changed, and a schedule of prices, covering lots from a barrel to a carload, has been arranged. Previous to Tuesday linseed oil was sold under the following terms :

Raw.		Boiled.	
1 to 4 barrels	58c.	1 to 4 barrels	61c.
5 to 9 "	57c.	5 to 9 "	60c.
10 barrels and over	55c.	10 barrels and over	58c.

These prices were f.o.b. Toronto, Hamilton and London. Outside points were charged 1c. per gal. more.

Under the agreement, which went into force on Tuesday, the following prices go into effect :

Raw.		Boiled.	
1 to 4 barrels	59c.	1 to 4 barrels	62c.
5 to 9 "	58c.	5 to 9 "	61c.
10 to 15 "	55c.	10 to 15 "	58c.
16 to 30 "	54c.	16 to 30 "	57c.
Carload lots	53c.	Carload lots	56c.

These prices, with the exception of 10 to 15 bbls. and 16 to 30 bbls. are f.o.b., either locally or at outside Western Ontario points. The price of 10 to 30 bbl. lots is strictly f.o.b. point of shipment.

The result of the change is to raise the price of 1 to 9 bbls. 1c. per gal., while that of 10 to 15 bbls. is unchanged and 16 to 30 bbls. is reduced 1c. and carlots 2c. per gal. for delivery at Toronto, Hamilton and London. For delivery at outside points, the only changes are in the price of carload lots, which is 3c. per gal. lower than previously quoted, and the withdrawal of an outside quotation on lots of 10 to 30 bbls.

The changes in turpentine terms have been less radical. Instead of quoting in 1 to 4 bbl. lots at 77c. Toronto, Hamilton and London and 78c. outside, the price has been placed at 77c. for single barrels and 76c. for two, three or four barrels, either locally or outside. For less than barrels 82c. will be charged, and 50c. for 5 gal. and 80c. for 10 gal. tins.

This means a reduction of 1c. at outside points for single barrels and of 1c. locally and 2c. outside for two to four barrels.

While the changes in both turpentine and linseed oil show reductions in price for large quantities, it must not be considered that there is any weakening in either the turpentine or the linseed oil market. On the contrary, both markets are decidedly firm.

The manufacturers of linseed oil advanced prices 1c. per gal. last week. Turpentine is higher in Savannah, the primary market. The changes are made to equalize prices at outside points.

AN EXPORT EXPOSITION.

The object of the National Export Exposition at Philadelphia is to bring to one place all manufactured articles used outside the United States. This has been accomplished at great expense of time and money, and the American manufacturer can readily find out if there are things which he could make to advantage.

The buildings, which cover nine acres, are in two groups. The first consists of five buildings—three of them permanent, connected by two enormous temporary structures. The second group is less imposing—three lower buildings, devoted to such goods as require large floor space.

The exposition is to be followed by a commercial congress, opened on November 10, and over 300 foreign chambers of commerce and boards of trade will have delegates present.

BARBED WIRE QUOTED HIGHER.

Jobbers have advanced their prices on barbed wire, and the price in both Montreal and Toronto to the retail trade is $3.50 per 100 lb. in small lots. For quantities these prices can be shaded.

This price is still, however, below the figures in Pittsburg, where the f.o.b. quotation is $3.65 in less than carload lots to retailers and $3.55 in carloads.

BENNETT'S HARDWARE BOXES.

Mr. J. S. Bennett, Toronto, patentee and manufacturer of the hardware boxes which bear his name in Canada, and that of Heller in the United States, has appointed Rice Lewis & Son, Limited, wholesale selling agents for Canada, and their travelers will take orders for them.

The sale of these boxes in the United States has assumed large proportions, no less than 17,349 being sold in that country between July 1 and September 30 last.

The boxes are gradually coming into use in Canada, and only the other day a cabinet containing more than 100 boxes was fitted up by Mr. Bennett for G. B. Morris, hardware merchant, Guelph. Seedsmen, druggists and grocers are also beginning to employ these boxes.

WIRE NAILS IN MONTREAL.

The base price for wire nails at Montreal was stiffened another 5c. this week to $3.35. This is a rise of 20c. per keg in the past fortnight, this change being predicted by HARDWARE AND METAL last week.

Up to the time of going to press no change has been made in the Toronto prices.

AGAIN IN OPERATION.

The wire and wire nail department of the Montreal Rolling Mills, which was temporarily closed down as a result of the accident to the machinery, is once more in full operation and has been for over a week back. The company, while busy with the orders which had accumulated, can also attend to new business promptly.

METALS IN ENGLAND.

S. W. Royce & Co., Manchester, have the following in their circular of September 30, in regard to metals : " During the first half of this month there was a strong tone in the pig iron market, and prices advanced considerably, and though some slackening has since been caused by the political situation it has only been temporary, and the markets have again assumed a better tone, and consumers coming forward and wishing to cover their wants for a considerable time ahead. Scotch iron has advanced about 1s. 6d. per ton during this month, and Cleveland about 2s. The manufactured iron trade in the Midlands is active in all branches ; more inquiries are coming forward, and prospects are good for some months ahead, at least. Copper is 20s. cheaper during this month, although visible supplies have latterly rather declined. Tin has advanced strongly throughout the month, and is about £7 per ton dearer. Spelter is about 30s. per ton lower, and is easy. Lead has advanced 15s. per ton, and is firm."

HOW TO PREVENT FROSTY WINDOWS.

THAT the show window is a valuable aid to the merchant is attested, not only by the costly character of its construction in modern stores, but also by the large expense regularly incurred for window-dressing, which has attained almost the dignity of a profession, and is undeniably an art. The display attracts popular attention and creates an interest in the minds of possible customers. Anything that obscures it in the least from the ready view of the public is, therefore, in the merchant's eye, an evil. One such evil is frequent in the winter season, when the best efforts of the window-dresser are brought to naught by the steaming or frosting of the show windows. Correspondents of this magazine, writing from many points, and especially those writing from northern sections, complain of the annoyance which they experience from this.

The cause of steam or frost gathering upon the glass in a window is extremely simple, and even in apartments warmed by presumably dry air the phenomenon may occur, if people, animals, plants, or any vapor-exhaling substances occupy it. Atoms of vapor multiply in the air in such a case, and are carried by its currents against the surface of the glass, the low temperature of which condenses them into infinitesimal drops of moisture; these being either congealed immediately, or coalescing flow downward over the glass, freezing gradually; in the latter case producing the effect so frequently to be seen, of the heaviest layer of frost on the lowest part of the window pane. Back of all this there exists a condition, which may be described by stating that the temperature inside the apartment is not sufficiently high to repel the pressure of the cold outside atmosphere upon the glass. In other words, if the penetrative power of the heat, inside, were greater than that of the cold, outside, the glass would become warm instead of cold, and would not act as a condenser for the vapor striking it.

It would thus appear that the solution of either one of two problems would obviate the evil of steam or frost on the window. One of these problems is how best to prevent vapor being carried against the glass. The other is how best to maintain such a temperature on the surface of the glass as to prevent it from becoming a condenser of vapor. In some of the large stores in Greater New York the practical solution of both problems has been undertaken by shutting off the show-windows completely by means of a casing, in some instances air-tight. The space thus shut out from the main store, besides being kept free from the vapor-carrying atmosphere of the place, is warmed by dry air to a degree sufficient to maintain between the atmosphere and the surface of the glass an equilibrium of temperature sufficient to leave undisturbed any particles of vapor present. This system has proven very successful. It might be modified by the construction of windows with double plates of glass, having an hermetically sealed space between them. This would make the use of heat unnecessary. The use of double windows on dwelling houses in winter is familiar, especially in the colder parts of the country, the extra windows being made in a single sash covering the window frame completely on the outside, and leaving a space of several inches between itself and the ordinary windows. These double windows are designed primarily to assist in keeping the bouse warm, but the plan serves also to keep the glass free from frosting.

Steam and frost are successfully kept off windows in some of the large New York stores by the radiation of heat from the sill of the casement. It might be an excellent idea to keep a forced current of dry heated air playing upward against the glass in sufficient volume to dissipate the atoms of vapor carried against the surface. This appears to be a more perfect way, and a surer one, in the case of windows exposed to all the effects of the inside atmosphere, then the method sometimes recommended, of coating the window with some transparent water-repelling substance, dissolved in alcohol, and left on the glass by evaporation of the spirit.

The entire subject is one well worthy the study of practical minded men in mercantile life, and with the hints here given it is possible that some simple and inexpensive method for curing the evil treated of may be devised. These columns are open for the publication of any good ideas or suggestions that may be made, and our correspondents may go into the whole subject of the proper construction of frost-proof windows, if they will.—Haberdasher.

COATINGS FOR METALS.

"Protective Coatings for Iron and Steel" was the title of a paper by A. P. Lane before the 30th annual convention of the Master Car Painters' Association held at Philadelphia, September 12-15. The writer had had good results from a mixture of linseed oil and mineral brown. He had tested it with graphite on bridges. Pure graphite was undoubtedly good, but it is liable to be adulterated with silica, which has no wearing properties, although it is a good filler. The discussion showed a concensus of opinion that oxide of iron, graphite, and carbon are the best pigments for painting on iron and steel.

MARITIME BOARD OF TRADE.

GEO. E. CALKIN, secretary-treasurer of the Maritime Board of Trade, has issued the following circular letter:

Entering upon the sixth year of its existence, the Maritime Board of Trade has won its way to general approval and become an acknowledged factor in the material progress of these Provinces by the sea.

While the promoters of the scheme of union of the various Maritime boards may honestly congratulate themselves upon the measure of success so far attending their efforts, the fact must not be forgotten that much still remains to be done.

Many important business centres are yet without an organized board, while scarcely half of the local boards already organized, though doing good work in their own location, are not yet affiliated with the larger organization, and thus stand in the way of their greater usefulness.

No community, or individual in it, but is vitally interested in one or more of the half-dozen interests upon which we as a people depend. The farmer, fisherman, lumberman, miner, manufacturer and ship-owner, all stand to be benefited by united and intelligent efforts, whether these look to methods or Legislature enactments as relative to our home industries or foreign trade. Tourist travel and the encouragement of immigrants suitable for these Provinces are also subjects worthy of careful consideration.

Now, can we not during this year:

I. Promote the formation of boards in towns where such an organization would be beneficial both locally and in the wider field.

II. Induce all boards of the Maritime Provinces to come into line with the Maritime Board, i. e., affiliate and work.

III. So perfect our organization and carefully arrange our work, both administrative and deliberative, that the best results may be obtained, ever remembering that we are working for the material advancement of the Maritime Provinces, while at the same time we are not to forget the moral and uplifting tendencies which our efforts should have, our motto being "non sibi sed patriae."

In conclusion, let me ask at your earliest convenience:

1. To report the name of the member appointed by your board as member of the council of the Maritime Board.

2. Report membership of your board and its state of efficiency.

3. Remit any arrears of per capita tax due the M.B.T.

WIRE NAILS
TACKS
WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

MANITOBA MARKETS.

WINNIPEG, October 10, 1899.

HARDWARE is actually more subject to change than wheat at the present time. Perhaps at no time in the history of the trade in Manitoba have the changes been so numerous and so rapid and all in the direction of an advance. Oiled annealed wire, cut nails, horseshoes, sheet iron, wrought pipe, rope (both sisal and manila), harvest tools, linseed oil and turpentine, have all advanced during the week. In cut nails a further advance is looked for within a very short time.

Business is very good and merchants are satisfied with whole outlook of trade.

Since the opening of the month sportsmen have been very busy after prairie chicken. They are reported very wild this year, although some very good bags have been made.

A good deal of interest is being taken in the machinists' strike, as it is generally understood the difficulty is practically a refusal on the part of the company to recognize the union.

Price list revised to date is given below:

Barbed wire, 100 lb	$3 75
Plain twist	3 75
Staples	4 25
Oiled annealed wire 10	4 02
" 11	4 09
" 12	4 15
" 13	4 30
" 14	4 42
" 15	4 55
Wire nails, 30 to 60 dy, keg	3 80
" 16 and 20	3 85
" 10	3 90
" 8	3 95
" 6	4 10
" 4	4 15
" 3	4 20
Cut nails, 30 to 60 dy.	3 15
" 20 to 40	3 20
" 10 to 16	3 25
" 8	3 30
" 6	3 35
" 4	3 65
" 3	3 90
" 3 fine	4 20
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No 1	4 70
No. 2 and larger	4 45
Snow shoes, No. 0 to No. 1	4 95
No. 2 and larger	4 70
Steel, No. 0 to No: 1	5 00
No. 2 and larger	4 75
Bar and band iron, $2.90 basis.	
Swedish iron, $5 basis.	
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 20 gauge, 100 lb.	3 50
20 to 26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 gauge	4 25
18 to 22 gauge	4 50
24 gauge	4 75
26 gauge	5 00
28 gauge	5 25
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 55
26 gauge	8 80
28 gauge	8 00
Tinplate, IC charcoal, 20 x 28, box	10 50
" IX "	12 50
" IXX "	14 50
Ingot tin	38
Canada plate, 18 x 21 and 18 x 24	3 35
Sheet zinc, cask lots, 100 lb	9 00
Broken lots	9 50
Pig lead, 100 lb	4 50
Wrought pipe, black up to 2 inch	50 p.c.
" Over 2 inch	45 p.c.

PERFECTION

is seldom attained in anything. But "doing your best" is always possible, and draws you by degrees very close to perfection.

If perfection in paint-making be possible

THE SHERWIN-WILLIAMS PAINT

will be first to attaid it. Many think it has reached there already. But at all events we are drawing nearer every year. S.-W.P. long ago left behind the faults that other paints are still struggling over.

Working constantly for thirty years, with the one aim of making the best possible painting material, must bring good results. Selection of material, testing its purity, grinding and mixing it properly, filling the packages conscientiously, and pushing its sale wisely, are what make S.-W.P. so near perfection.

THE SHERWIN-WILLIAMS CO.

PAINT AND VARNISH MAKERS.

Canadian Division:
21 St. Antoine St.,
Montreal.

CLEVELAND.
CHICAGO.
NEW YORK.
MONTREAL.
BOSTON.
TORONTO.

Rope, sisal, 7-16 and larger	13 50
" ⅜	14 00
" ¼ and 5-16	14 50
Manila, 7-16 and larger	16 00
" ⅜	16 50
" ¼ and 5-16	17 00
Solder	22
Cotton rope, all sizes, lb.	15
Axes, per box	$6.00 to 8 00
Screws, flat head, iron, bright	75 and 10 p.c.
Round " "	70 p.c.
Flat " brass	70 p.c.
Round " "	60 and 5 p.c.
Bolts, carriage 5-16 and smaller	47½ p.c.
⅜ and larger	42½ p.c.
Machine	47½ p.c.
Tire	50 and 10 p.c.
Sleigh shoe	65 p.c.
Rivets, iron	37½ p.c.
Copper, No. 8, lb	33½c.
Spades and shovels	40 p.c.
Harvest tools	50, 10 and 5 p.c.
Axe handles, turned, s. g. hickory, doz	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 65
No. 1	1 25
Linseed oil, raw, per gal	63
" boiled "	66
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	40 p.c.
C.F. pistol	10 p.c.
C.F. military	Net.
Loaded shells, Robin Hood, M	$20 00
Eley's soft, 12 gauge	15 00
chilled, 12 guage	16 50
soft, 10 guage	20 00
chilled, 10 guage	21 00
American, M	16 25
Shot, Ordinary, per 100 lb	5 25
Chilled	5 75
Powder, F.F., keg	4 75
F.F.G.	5 00
Robin Hood	10 00
Tinware, pressed, retinned	70 and 2½ p.c.
" " plain	70 and 15 p.c.
Graniteware, according to quality	60 p.c.
Turpentine, by barrel	81c.
Less than barrel	86c.

WINNIPEG RETAIL CLERKS' UNION.

The retail clerks of Winnipeg have formed a union. At the first meeting, held two weeks ago, 50 members were initiated, and the following officers were appointed: President, L. H. Fournier; first vice-president, F. W. Hold; second vice-president, R. L. Chevrier; secretary, I. W. Greenleese; treasurer, G. T. Harrison; guide, P. Wilson.

On Monday of last week the union held another meeting, when they were addressed by Arthur Puttie, president of the Trades and Labor Council of Winnipeg.

At present most of the Winnipeg stores close at 7 o'clock, so the first effort of the union will be to secure the cooperation of the buying public to induce the merchants to close at 6 o'clock.

OPENING NEW PAINT FACTORIES.

The business of the Sherwin-Williams Company in the Central, Southern aud Western United States has grown so extensively of late that this company has found it necessary to establish two more branch factories. The Kansas City Star publishes an interview with Walter H. Cottingham, general-manager of the company, who states that a branch will be started in that city as soon as a suitable building can be secured. The company also intend, it is learned from another source, to establish a branch at San Francisco, Cal., which will look after the business of the Sherwin-Williams Company on the Pacific Coast.

CATALOGUES, BOOKLETS, ETC.

PROOF OF VALUE IN VALVES.

In the construction of modern buildings, the reliability of the heating system is an important factor, and to insure reliability in this regard, it is essential that first-class valves should be used. The Fairbanks Company, as proof of the reliability and value of the valves made by them, have issued a neat booklet containing photogravures of more than forty of the largest and most important "sky scrapers" of New York in which their valves are used. The booklet also contains descriptions of Fairbanks valves and cocks. Steamfitters who use, and hardwaremen who handle, valves should get a copy of this booklet by writing to The Fairbanks Company, Montreal.

A NEAT PRICE LIST.

A neat pocket-size price list of cutlery and hardware specialties has been issued by The Smith & Hemenway Co., 296 Broadway, New York, manufacturers and importers of these goods, and New York representatives of The Utica Drop Forge and Tool Co. This firm quotes a flat discount of 40 per cent. from the list prices. The value of their tools and specialties is too well recognized to need comment. Hardware dealers should seetheir prices.

CAREY'S COVERINGS.

The Philip Carey Mfg. Co., Lockland, Ohio, are sending out to the trade a post card, 11 x 7 inches, giving illustrations of the uses to which their asbestos felt, asbestos magnesia and magnesia cement coverings and roofings can be put. They offer to furnish samples, prices, etc., on request.

MARLIN ARMS PRICE LIST.

The illustrated price list which has been issued by the Marlin Fire Arms Co., New Haven, Conn., U.S.A., this year is an extremely full and comprehensive catalogue. It is divided into three sections, the first part of which is designed to give briefly details of the various fire arms made by this firm—information especially useful to dealers in these goods. The other sections of the booklet, which contain over 120 pages of reading matter, give more complete information regarding these arms and the ammunition used in them ; also hints of general interest to sportsmen. The book should prove of value to all users and dealers in guns.

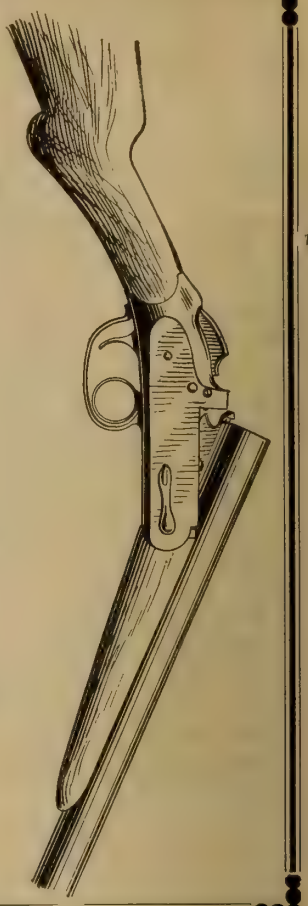
LOOKING FORWARD—1900.

The Sherwin-Williams Co., Cleveland, O., and Montreal and Toronto, Can., still maintain their reputation for taste and originality in advertising by the issue of a small brochure, entitled "Looking Forward," which deals with the expectations of this company during 1900. Needless to say, the firm expect and intend that 1900 shall show as marked an advance in the production and sale of their goods as has been true of 1899.

Want a Gun?

— BUY AN —

IVER JOHNSON



The IVER JOHNSON

Ejector Single Gun.
New Principle.
No Top or Side Action.

Dealers who want good reliable single guns, to be sold at moderate prices, will find the new models of the Iver Johnson, Ejector and Top Snap, just the kind for their Fall business.

WRITE FOR PRICES.

Iver Johnson's Arms & Cycle Works

FITCHBURG, MASS.

IVER JOHNSON
Guns, Revolvers, and Bicycles
are Honest Goods at Honest Prices.

BRANCHES—
NEW YORK—99 Chambers St.
BOSTON—408 Washington St.
WORCESTER—304 Main St.

Gilbertson's Galvanized Sheets

PATENT **COMET** FLATTENED
BRAND

are suitable for all kinds of Galvanized work demanding uniform quality; being made of superior Siemens Steel, they **will double seam** either way of grain, are smooth, soft, and well galvanized, every sheet being carefully selected; weight and count of sheets per case **fully equal** to the best known brands imported, **and cost less.**

GILBERTSON'S are the only galvanizers who not only **roll all their Steel Sheets,** but manufacture **all their own Steel in their own Steel Works,** thus enabling them to put a soft and regular quality of steel into their sheets, which is impossible for galvanizers who buy their steel **in the open market.**

TO BE HAD FROM ALL WHOLESALE JOBBERS.

Full particulars promptly furnished on application to

ALEXANDER GIBB,

AGENT. **22 ST. JOHN ST.,**
MONTREAL.

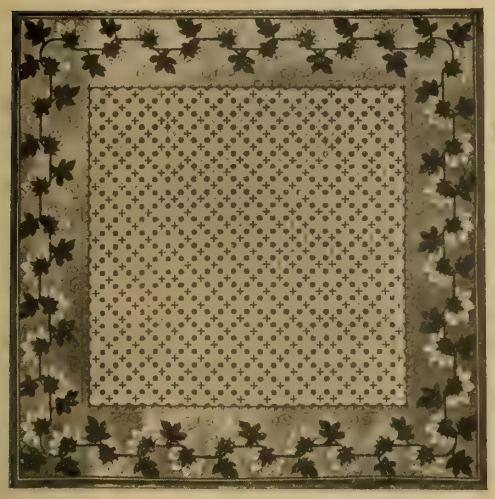
H. S. HOWLAND, SONS & CO.

WHOLESALE ONLY

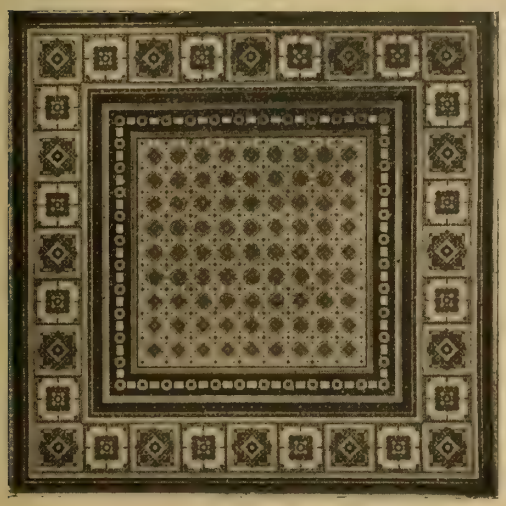
37-39 Front Street West, **Toronto.**

ONLY WHOLESALE

OIL CLOTH MATS.



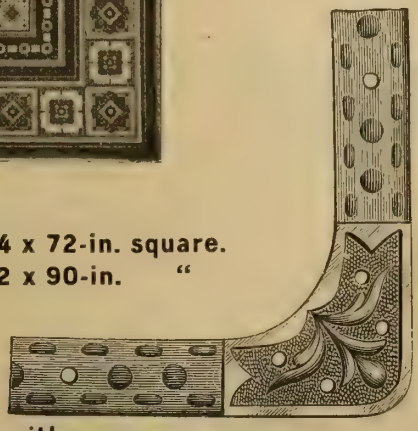
No. 807.



No. 806.

45 x 45-in. 54 x 54-in. 54 x 72-in. square.
72 x 72-in. 72 x 90-in. "

OIL CLOTH BINDING.



Zinc, 6 and 8 yards, with corners.
Brass, 5, 6 and 8 yards, with corners.

WEATHER STRIPS.

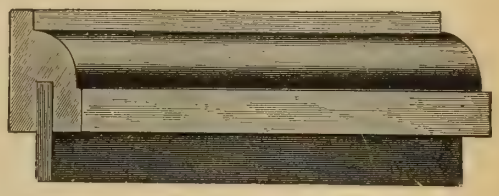
Exclude all Cold, Wind, Dust, and Rain.

No. 60.



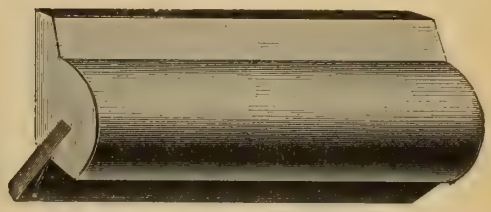
For Sides and Tops of Windows.

No. 61.



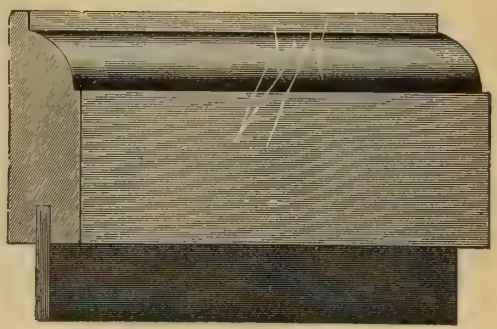
For Sides of Windows and Doors.

No. 62.



For Centre of Windows.

No. 64.



For Bottom of Doors.

H. S. HOWLAND, SONS & CO., TORONTO

ORDERS SOLICITED.

OUR PRICES ARE RIGHT.

Graham Wire and Cut Nails are the Best.

MARKETS AND MARKET NOTES.

QUEBEC MARKETS.

MONTREAL, October 13, 1899.

HARDWARE.

THE advances noted last week have been supplemented by others in many important lines of material since last report. In wire, barbed and smooth twist has been jumped 15c., and galvanized wire is 10c. higher all around. Coopers' staples are 5 per cent. higher, and a further rise of 10c. has been decided upon in cut nails, while wire nails are 5c. per keg dearer. Flour barrel nails are 10 per cent.; boat nails, 3⅓ per cent.; galvanized roofing nails, 5 per cent., and pressed spikes, 10 per cent. advanced on previous prices. Horseshoes, screws, bolts and nuts are in fair demand and firmly held, as to value. There has been an advance of 15 per cent. in steel jack chain, and generally values point upwards.

BARBED WIRE—There has been another advance in this article, the base price now being $3.40 to $3.50, as to quality.

SMOOTH STEEL WIRE—Business is quiet and prices are steady at $3.35 for Nos. 6 to 9.

GALVANIZED WIRE—Prices on this have been advanced 10c. all around, and we now quote: Nos. 6 to 8, $3.80; No. 9, $3.25; No. 10, $3.85; No. 11, $3.95; No. 12, $3.40; No. 13, $3.55; No. 14, $4.25; No. 15, $5.25, and No. 16, $5.40.

FINE STEEL WIRE—Unchanged at 12½ per cent.

BRASS AND COPPER WIRE — Discounts are 50 and 2½ per cent. on brass and 45 and 10 per cent. on copper.

FENCE STAPLES—Firm and unchanged. We quote: Galvanized $4.15, and bright $3.55.

FINE STAPLES—There has been an advance in coopers' staples, which are now 50 per cent., poultry netting remaining 45 per cent., and electrical, etc., 40 per cent. discount off list.

CUT NAILS—There has been another rise in the base price of cut nails, to $2.60 per keg f. o. b. Montreal, Toronto, Hamilton, London and St. John (N.B.).

WIRE NAILS—There has been another rise in these, the base price being $3.35 f.o.b. Montreal, with carlots $3.17½ per keg. Miscellaneous nails, 72½ per cent. off list.

COPPER WIRE NAILS — Firm, with discounts 50 per cent.

FLOUR BARREL NAILS, ETC.—These are 10 per cent. advanced; flour barrel nails 20 per cent. and coopers' nails 25 per cent. off list.

BOAT NAILS — Values are 3⅓ per cent. higher, discounts now being 30 per cent. off list.

GALVANIZED ROOFING NAILS—These, also, are advanced 5 per cent., the base being 8c. per lb., with 10 per cent. off list.

PRESSED SPIKES—Ten per cent. higher, at 20 per cent. off list.

HORSE NAILS—Fairly active and steady. Discounts are 50 per cent. off on standard and 50 and 20 on Acadia.

HORSESHOES—In good inquiry at the advance. We quote as follows: Iron shoes, light and medium pattern, No. 2 and larger $3.70; No. 1 and smaller, $3.95; snow shoes, No. 2 and larger, $3.95; No. 1 and smaller, $4.20; X L steel shoes, new light pattern, No. 2 and larger,



One Size, No. 30.
Circumference of Wick, 10 inches.
Capacity of Oil-Tank, ¾ gallon.
Height over all, 32 inches.
List Price, each, $9.10.

HEAT WITHOUT LABOR

ALUMINUM
COAL
OIL
HEATER

FOR COAL OIL ONLY.

Every part made of Sheet Metal.
No Castings to Crack.

Produces a Round Flame

Of great heating power, **without smoke or smell.**

The top cover can be removed for the boiling of water, etc.

The planished steel body, with aluminized trimmings and nickelled urn, make it an ornament, and in keeping with the best furnished room or office.

During the Fall Nights

They save lighting the furnace or grates.

Base Burners Need Not be Put Up

Till winter sets in, and can be taken down earlier in spring when an "Aluminum" is used, making a **saving on the coal bill.**

On Extremely Cold Nights

They will assist your furnace, and can safely be used in a cellar or kitchen to **prevent the water pipes from freezing.**

For the heating of a bed-room, parlor, dining-room, office, barber shop, etc., they cannot be excelled.

For Prompt Shipment Order from McClary's. THE McCLARY MFG. CO., LONDON, TORONTO, MONTREAL, WINNIPEG, VANCOUVER.



If a sheet or half-sheet of Apollo galvanized iron has any fault, no matter how slight, send it back to your jobber at his expense.

Apollo Iron and Steel Company, Pittsburgh.

Cements { PORTLAND, ROMAN, KEENE'S

Bricks . . { FIRE, BUILDING, PAVING

Sand . . . { SILICA FIRE, MOULDING, BUILDING

F. HYDE & CO.

31 Wellington street, MONTREAL

English Castor Oil

GUARANTEED PURE.

Pharmaceutical, Tasteless, Cold Drawn
First Pressure
Second Pressure

In cases of 2 tins and in barrels. Stocked by all Hardware, Oil and Color men

The Hull Oil Manufacturing Co.

LIMITED

B. & S.H. THOMPSON & CO.

Agents for Canada - MONTREAL

CANADA IRON FURNACE CO., Limited

Manufacturers of

CHARCOAL PIG IRON

MONTREAL.

BRAND "C.I.F." THREE RIVERS

PLANTS AT

Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.

Geo. E. Drummond,

Managing-Director and Treasurer

\$4.00; No. 1 and smaller, \$4.25; featherweight, all sizes, Nos. 0 to 4, \$5.25; and toe weight steel shoes, all forward, all sizes \$6.35 f.o.b. Montreal, St. John, N.B., and Halifax, N.S. Delivered f.o.b. in Toronto, Hamilton, London and Guelph 10c. per 100 lb. extra.

SCREWS—Firm at the rise with a good demand. Discounts now are: Flat head, bright, 80 per cent; round head do., 75; flat head, brass, 75; round head do., 67½.

BOLTS — Active and firm. Discounts are: Carriage bolts, 5-16 and smaller, 55 per cent.; ⅜ and up, 50 per cent.; full square bolts, 65 per cent.; machine bolts, 55 per cent.; coach screw bolts, 67½ per cent., and sleighshoe bolts, 72½ per cent.

NUTS AND WASHERS—Fairly brisk since the rise. We quote: Square, 3¾c. and hexagon 4¼c. per lb. Washers in 50-lb. boxes are 35 to 40 per cent. discount.

CORDAGE— There is a moderate trade We quote: Manila 7-16 and up, 15c.; ⅜, 15½c., and ¼ and 5-16, 16½c. Sisal, 12½c. for 7-16 and up; 13c. for ⅜, and 14c. for ¼ and 5-16.

BUILDING PAPER—Steady. We quote: Plain building, 28c.; tarred lining, 35c.; tarred roofing, \$1.40, and carpet felt, \$2.25.

RIVETS—Firm. Discounts are: Black and tinned, 45 per cent.; ditto burrs, 40 per cent.; copper rivets and burrs, 35 per cent.

JACK CHAIN—There has been an advance of 15 per cent. in steel jack chain which is now quoted at 35 per cent. off list. Brass jack chain is firm, but unchanged, at 40 per cent. discount.

CEMENT—There is a good steady demand for cement. We quote: Belgian, \$1.90 to \$2.10; English, \$2.30 to \$2.40, and German, \$2.45 to \$2.65, per cask ex wharf.

FIREBRICKS—Active and firm at \$17 to \$23 per 1,000, as to brand.

METALS.

The firm tendency in all lines of heavy iron and metal continues, and prices both of lead pipe and black iron are firmer. Tinplates also are held for more money under light stocks.

PIG IRON—This material has been nominal, for the reason that there is practically no Scotch or domestic pig available here.

BAR IRON—This material is held 5c. firmer at \$2.35 in jobbing lots and \$2.27½ in carlots, an advance of 2½ to 5c., according to quality.

BLACK SHEETS—Steady. We quote: 8 and 15, \$2.60; 18 and 20, \$2.30; 22 and 24, \$2.50; 26, \$2.60, and 28, \$2.65.

STEEL—Firmly held at rise. We quote: Sleighshoe, \$2.80; tire, \$2.85: spring, \$3.10; machinery, \$3.60, and toe calk, \$3.30.

GALVANIZED WIRE—There is an active demand and prices are firm with an upward

STEEL

BARS, PLATES,
SHEETS, BEAMS,
ANGLES, CHANNELS,

FOR IMPORT.

We solicit your specifications.

A. C. LESLIE & CO.

MONTREAL.

ADAM HOPE & CO.

30 JOHN STREET N.

Hamilton, Ont.

PIG TIN

175 TONS "STRAITS" AND "PENANG"

now landing at NEW YORK, per S.S. "Yangtsze" and "Indrapura."

PROMPT SHIPMENT.

Write or telegraph for quotations.

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

BUSINESS NEWS

of any kind that is of value to business men supplied by our Bureau. We can give you market quotations from any town in Canada, reports from the city markets, stock quotations, etc. You can get commercial news from any Canadian paper through us.

Write us, giving us particulars of what you want and where you want it from, and we will quote you prices by return.

"Clippings from any Canadian paper on any subject."

The Canadian Press Clipping Bureau,

505 Board of Trade Bldg

TELEPHONE Main 1255. ....MONTREAL

tendency. We quote case lots No. 28 at $4.85, No. 24 at $4.50.

INGOT COPPER—Rules steady with a fair demand at 19½ to 20c.

INGOT TIN—Strongly held at 37 to 38c.

PIG LEAD—As last noted at $4.25.

LEAD PIPE—There has been an advance of 2½ per cent. in this material. We quote ordinary 7c.; composition waste 7½c. with 17½ per cent. discount.

IRON PIPE—Black iron pipe is selling at generally higher prices, but we still quote: Black pipe, ⅛-inch, $3.41; ¼ and ⅜-inch, $3.30; ½-inch, $3.41; ¾-inch, $3.83; 1-inch, $5.51; 1¼-inch, $7.24; 1½-inch, $9.08 and 2-inch, $12.07 per 100 feet net. Galvanized, ¼-inch, $3.62; ⅜-inch, $4.18; ½-inch, $6.24; ¾-inch, $7.96; 1-inch, $11.24; 1¼-inch, $15.92; 1½-inch, $19.90; 2-inch, $25.97; 2½-inch, $33.93, and 3-inch, $46.76.

TINPLATES—An active demand is experienced, and jobbing values here are firmer. We quote: Coke, I.C., $4.50; charcoal, I.C., Allaway or Comet brands, $4.80; do. I.X., $5.55; Lincoln, $5; P. D. Crown, $5.30; do. I.X., $6.80; Bradley's, $6.25.

CANADA PLATES—Steady, with a good movement. We quote as follows: 52's, $2.60; 60's, $2.70; 75's, $2.80; full polished, $3.25; galvanized Canada plates, $4.55 for 52's.

TERNE PLATE—These are held 50c. higher for jobbing lots at $8, but large quantities are obtainable for considerable less money.

SWEDISH IRON—Held firm at $3.50 base.

COIL CHAIN—Fairly active and stiff. We quote: No. 6, 11c.; No. 5, 9½c.; No. 4, 8½c.; No. 3, 7½c.; ¼-inch, $6.25; 5-16, $5; ⅜, $4.50; 7-16, $4.35; ½, $4.25; 9-16, $4.20; ⅝, $4.10; ¾, $3 90; ⅞ and 1 inch, $3.80.

SHEET ZINC—Steady as last quoted at 7½c. to 7¾c.

ANTIMONY—Firmly held at 11 to 12c.

SPELTER—Continues steady at $6.50.

GLASS.

Stocks of window glass are getting very low, and importers universally complain of the difficulty they experience in getting their orders placed at primary points. We quote as follows: First break, $1.90; second, $2 for 50 feet; first break, 100 feet, $3.60; second, $3.80; third, $4.25; fourth, $4.50; fifth, $5; sixth, $5.50, and seventh, $6.

PAINTS AND OILS.

The feature in this department has been the advance in white lead decided upon at the recent quarterly meeting of the makers. The rise consists of an advance of 37½c. per 100 lb. Turpentine is firm at the rise, also linseed. We quote:

WHITE LEAD—Best brands, Government standard, $6.37½; No. 1, $6; No. 2, $5.62½; No. 3, $5.25.

DRY WHITE LEAD—$4.75 in casks; kegs, $5.

RED LEAD—Firm; casks, $4.50; in kegs, $4.75.

WHITE ZINC PAINT—Pure, dry, 8c.; No. 1, 6½c.; in oil, pure, 9c.; No. 1, 7½c.

PUTTY—We quote: Bulk, $1.65; bladders, in bbls., $1.80; bladders, in cases, $1.95; in tins, $2.05 to $2.30.

LINSEED OIL — Raw, 58c.; boiled, 61c., five to nine-barrels, 1c. less, ten and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—Single barrels, 75c.; two to four barrels, 74c.; five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Firm; $1.10 to $1.30 per gallon.

CASTOR OIL—Firm; 7½ to 8c.

SEAL OIL—35c.

COD OIL—32½ to 35c.

NAVAL STORES—Fair demand for all lines, and prices show no change: Resins, $2.75 to $4.50, as to brand; coal tar, $3 to $3.50; cotton waste, 4½ to 5½c. for colored, and 6 to 7½c. for white; oakum, 5½ to 6½c., and cotton oakum, 9 to 11c.

PETROLEUM.

There has been an active demand for petroleum and prices are firmly held. The advance anticipated last week has not yet materialized.

HIDES.

Trade is fair and prices are steady. We quote: Lambskins, 65c. Beef, 7½ to 9½c., as to grade.

COAL.

Demand good at firm prices. We quote: Stove, $5.75; chestnut, $5.75; egg, $5.50; Scotch grate, $6; Scotch steam, $4 to $4.50; Tower ports steam, $3.50 to $3.75.

MONTREAL NOTES.

Lead pipe has been advanced 2½ per cent.

Barbed wire is 15c. higher than it was and galvanized 10c.

There has been an advance of 15 per cent. on steel jack chain.

White lead has been advanced 37½c. all around on the previous range.

Bar iron is held 2½ to 5c. firmer per 100 lb. than it was last week, as to quantity.

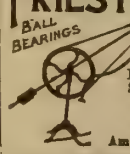
Another rise of 10c. per keg in cut nails has been established; also, 5c. on wire nails.

There has been a rise of 10c. in tinplate, and terne plate is held 50c. dearer for jobbing lots.

Flour barrel nails, coopers' nails, boot nails, and galvanized roofing are all materially higher than they were.

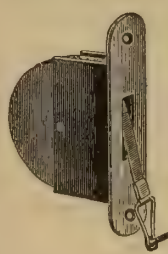
OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON' KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL


COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps, Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

PRIEST'S CLIPPERS
BALL BEARINGS

Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., U.S.A.

COATES' CLIPPERS

HAND AND POWER, easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel, and will not heat. 1899 catalogue ready.
Coates Clipper Mfg. Co.
WORCESTER, MASS.


Pullman Sash Balance Co.
Makers of the
"Pullman" Hardware Specialties
Main Office and Works,
Rochester, N.Y., U.S.A.
On sale all round the globe.

Size, ⅜-inch.

Cheapest IN THE WORLD.
J. M. LITCHFIELD
458 Quincy St., Brooklyn, N.Y.

PERSONS addressing advertisers will kindly mention having seen their advertisement in Canadian Hardware and Metal Merchant.

ONTARIO MARKETS

TORONTO, October 13, 1899.

HARDWARE.

THE past week has again witnessed a number of changes in prices. Cut nails have been advanced another 10c. per keg, making the total gain in two weeks 35c. per keg. Barbed wire is also quoted higher by the jobbers. The discount on pressed spikes has been reduced, and galvanized pails are quoted higher. Enameled ware of all kinds, except white ware, is dearer. The latter was advanced a few weeks ago. Trade continues good in nearly all staple lines and in shelf goods.

BARBED WIRE—The jobbers have advanced prices, and $3.50 is now the figure f.o.b. Toronto for small lots. Very little business is being done.

SMOOTH STEEL WIRE — The trade conditions in this line are much as before, there being a fair demand for hay-baling wire, but little or nothing doing in oiled and annealed. The base price is unchanged at $3.35 per 100 lb.

GALVANIZED WIRE—The market is firmer, but local jobbers have made no change in their quotations. We quote: Nos. 6, 7, 8 gauge, $3.60; No. 9, $3.10; No. 10, $3.70; No. 11, $3.75; No. 12, $3.20; No. 13, $3.45; No. 14, $4.10; No. 15, $4.70; No. 16, $4.85.

WIRE NAILS — The price is firm and unchanged, with the demand fairly good. We quote $3.22½ base in carlots and $3.30 in less quantities.

CUT NAILS—Still another advance is to be noted this week in this line. It is 10c. per keg, making the total gain 35c. in two weeks. The base price is now $2.60 f.o.b. Toronto, Hamilton and London.

HORSE NAILS—Business continues fair and prices firm and unchanged. We quote: Standard, oval head, 50 per cent.; Acadia countersunk head, 50 and 20 per cent.

HORSESHOES—Trade is seasonably good, and prices firm and unchanged at the recent advance. We quote f. o. b. Toronto, Hamilton, London and Guelph as follows: No. 2 and larger, light, medium and heavy iron shoes, $3.80; snow shoes, $4.05; light steel shoes, $4.10; featherweight shoes, all sizes, $5.35. No. 1 and smaller, light, medium and heavy iron shoes, $4.05 per keg; iron snow shoes, $4.30; light steel shoes, $4.35; featherweight steel shoes, all sizes, $5.35.

SCREWS—Business continues active, and with prices firm at last week's advance. We quote as follows: Flat head bright, 80 and 5 per cent. off the list; round head bright, 75 and 5 per cent.; flat head brass, 75 and 5 per cent.; round head brass, 67½ and 5 per cent.; flat head bronze, 67½ and 5 per cent.; round head bronze, 62½ and 5 per cent.

WE HAVE BEEN WORKING
20 HOURS OUT OF EVERY 24
FOR SOME TIME.

Not for the fun of the thing exactly—but because we are anxious to fill all our orders promptly.

Will you help us in our efforts to avoid delay?

Let us have your orders as much in advance of the required time of delivery as possible.

With timely notice from our customers all around, we will be able to ship promptly—can't guarantee it on short notice.

THE METALLIC ROOFING CO., Limited
1179 King St. W., TORONTO,
Wholesale Manufacturers of all kinds of reliable Fireproof Building Materials.

BOLTS—Trade is brisk, particularly in stove bolts. We quote as follows: Norway bolts, full square, 65 per cent.; common carriage bolts, 5-16 and under, 55 per cent.; ditto, ⅜ and larger, 50 per cent.; ditto, full square, 65 per cent.; machine bolts, all sizes, 55 per cent.; coach screws, 67½ per cent.; sleighshoe bolts, 72½ per cent.; blank bolts, 55 per cent.; bolt ends, 62½ per cent.; nuts, square, 3¾c.; nuts, hexagon, 4¼c.; tapping nuts, 60 per cent.; tire bolts, 60 and 10 per cent.; stove bolts, 60 and 10 per cent.

ROPE—There is still but very little business being done. We quote: Sisal, 7-16 in. and larger, 12½c. per lb.; ⅜ in., 13c.; ¼ and 5-16 in., 13½c. Manila, 7-16 in. and larger, 15c. per lb.; ⅜ in., 15½c.; ¼ and 5-16 in., 16c.; New Zealand, 11c. per lb.; Deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 10c. Clotheslines, 48 feet, 90c.; 60 feet, $1.20; 72 feet, $1.50; 100 feet, $2.

HALTERS—Sisal rope halters are dearer, the price now being $9 per gross for ½ inch and $14 per gross for ⅝ to ¾ inch.

RIVETS AND BURRS—A fairly good trade continues to be done in rivets and burrs. We quote: Carriage section, wagon box, rivets, etc. (steel), 60 per cent. off the list; ditto (Norway iron), 60 per cent.; black M rivets (steel), 55 per cent.; ditto (Norway iron), 45 per cent.; iron burrs, 40 per cent.; copper rivets, 35 per cent.; bifurcated, with box, $1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

CHURNS — Business is still fair. We quote: Metal frame—No. 0, $3; No. 1, $3.20; No. 2, $3.40; No. 3, $3.75; No. 4, $4.50; No. 5, $5.90. The price of wooden frames is 15c. per churn less than the above. Terms, 3 per cent. off 30 days f.o.b. Toronto.

WRINGERS—A fair seasonable demand is still to be noted. We quote: "Leader," $60 per doz.; "Royal Canadian," $58; "Royal American," $48. Prices are all f.o.b. Toronto, Hamilton, Brockville, and Montreal. Discount, 45 per cent. Terms, four months, or 3 per cent. 30 days.

PRESSED SPIKES — These have been advanced in price, the discount now being 20 per cent. instead of 30 per cent.

BUILDING PAPER — Trade is fair and prices unchanged. We quote: Plain building, 28c. per roll; tarred lining, 35c., according to quality; tarred roofing felt, $1.40 per 100 lb.; carpet felt, $2.75 per 100 lb.

CARPET FELT—A figure 2 became substituted for 7 in the quotation of carpet felt, and made the price read $2.25 instead of $2.75.

ENAMELED WARE—There has been an all-round advance in the price of enameled ware, except in white ware, which advanced a few weeks ago. The new discounts are: "Princess" ware, "Turquoise" ware, blue and white ware, 50 per cent.; "Diamond" ware, "Famous" ware, "Premier" ware, 50 and 10 per cent.; "Granite" or "Pearl" ware, "Imperial" ware, "Crescent" ware, 50, 10 and 10 per cent. The discount on white ware is unchanged at 50 per cent.

GALVANIZED PAILS—Prices have been advanced on these, the discount now being 45 per cent. on galvanized pails, galvanized flaring pails and galvanized washtubs. The discount was formerly 50 per cent.

REGISTERED TRADE MARK

ISLAND CITY

The Island City Paint and Varnish Works

Manufacture the following brands of ***White Leads***

The Island City Pure White Lead
The Island City Pure White Paint
The Island City Decorators' Pure White Lead

We advertise Island City Pure White Paint, not that we want to praise its qualities more than its worth, but it has given others better satisfaction than any other pure white lead, and we want you to use it.
We have not been able to fill all demands.

P. D. DODS & CO.,

100 Bay St., TORONTO. 188 and 190 McGill St., MONTREAL.

John Bowman Hardware & Coal Co.

LONDON, ONT.

Our Fall stock is now complete and we can supply at best figures:

Axes, Saws, Lanterns,
Cordage, Chain,
Window Glass,
Paints, Oils, etc.

. . Our importation of . .

Cutlery, Skates,
English Guns,
Shot Shells,
Black and Smokeless Powder,
Shot, Wadding, etc., now in.

OUR MOTTO: Prompt Shipment, Right Prices.

TINWARE—The demand keeps fairly good for the season.

STOVES AND FURNACES—The demand keeps active, and in excess of the supply. Discounts: Stoves and ranges, 45 and 5 per cent.; furnaces, 40 and 5 per cent.; registers, 60 per cent.

CUTLERY—The demand keeps good.

HARVEST TOOLS—A few orders are being placed for spring delivery. Discount 50, 10 and 5 for quantities, and 50 and 10 for small quantities.

SPADES, SHOVELS, ETC.—A moderate trade is to be noted in scoops and in steel snow shovels. Discount on spades, shovels and scoops 40 and 5 per cent. We quote steel snow shovels at $3.10 per doz.

CEMENT — Though business is not as brisk as it was a month ago, it is unusually active for the season. Prices steady. We quote as follows in barrel lots: Canadian Portland, $2.65 to $2.90; English do., $3; Canadian hydraulic cements, $1 to $1.10; calcined plaster, $1.90; asbestos cement, $2.50 per bbl.

METALS.

The metal markets continue active. In London and New York there have been some fluctuations in quotations, but, on the whole, the tendency of prices is upward.

PIG IRON—The demand is good and prices firm. The idea for No. 1, Hamilton iron is $23 at the furnace, and for Tonawanda iron $22.50.

BAR IRON—Trade is still brisk and prices firm. We quote $2.35 to $2.45 base.

BLACK SHEETS—The demand is decidedly good, with prices firm and unchanged. We quote 28 gauge at $3.25.

GALVANIZED IRON—This is the most active line in metals, a good many orders being received for quantities as well as for small lots. American makes have advanced 10c. per 100 lb., and the makers will not book orders for delivery after December 31. Locally, no changes have taken place in quotations. We quote 28 gauge at $5 for English and $4.90 for American.

COPPER — The market is, on the whole, steady as to price. Locally the demand is fair for ingot, and good for sheet copper. We quote: Ingot copper, 20 to 21c. per lb., and sheet, 23 to 23½c. per lb.

PIG TIN—Trade has been just moderate during the past week, the demand being confined to small lots. The outside markets are somewhat irregular, and on Wednesday there was a decline of £2 per ton in London. Singapore was also lower. Locally, prices are unchanged.

CANADA PLATES—Trade is fairly active, although the demand does not appear to be generally as brisk as it was a week ago. All-bright are quoted at $3.25; half-polished at $2.85, and all-dull at $2.75.

TINPLATES—A good trade is being done in both small and large lots. A fair trade is being done in tinned sheets.

IRON PIPE—Trade continues brisk, with prices firm. We quote: Black pipe, ¼ to ⅜ inch, $3.60; ½ inch, $3.70; ¾ inch, $4.70; 1 inch, $5.90; 1¼ inch, $7.85; 1½ inch, $9.97; 2 inch, $13; 2½ to 6 inch, discount off the list 50 per cent. Galvanized pipe is quoted as follows: ¼ inch, $6.50; ⅜ inch, $8; 1 inch, $11.50; 1¼ inch, $16; 1½ inch, $20; 2 inch, $28.50.

PIG LEAD—Prices are steady with demand a little better than it was. We quote 4¼ to 4½c. per lb.

LEAD PIPE—Prices are higher, the discount being reduced to 17½ per cent. We quote: Ordinary pipe, 7c., and waste, 7½c. per lb.

RANGE BOILERS — Trade keeps firm. We quote: Galvanized, 30 gals., $9; 35 gal., $10; 40 gal., $11. Copper, 30 gal., $22; 35 gal., $26; 40 gal., $30; discount off copper boilers, 10 per cent.

SHEET ZINC—The demand is good at 8 to 8¼c. per lb.

SPELTER—Business is moderate at 7½ to 7¾c. per lb.

SOLDER — Trade is decidedly good. We quote: 21 to 22c. for half-and-half;

20½ to 21½c. for refined, and 20 to 20½c. for wiping.

PAINTS AND OILS.

Several changes of importance are noted this week. As anticipated in these columns, white lead has been advanced 37½c. per cent. The price of the pure article is now $6.50 in Toronto. Linseed oil and turpentine terms have been changed, as will be seen by the quotations below. Though these figures show a decline for large quantities the market is decidedly firm, the changes made being merely an equalization of rates to outside points. It is expected that turpentine will be advanced shortly. The volume of business being done is unusually large for the time of year. Linseed oil has been in especially brisk demand, on account of the advance anticipated. Prices of sundries as well as staples are firm. We quote :

WHITE LEAD—Ex Toronto, pure white lead, $6.50; No. 1, $6.12½; No. 2, $5.75; No. 3, $5.37½; No. 4, $5; dry white lead in casks, $5.75.

RED LEAD—Genuine, in casks of 560 lb., $5.00; ditto, in kegs of 100 lb., $5.25 to $5.50; No. 1, in casks of 560 lb., $4.75; ditto, kegs of 100 lb., $5.

LITHARGE AND ORANGE MINERAL—Litharge, 6 to 6½c.; orange mineral, 7½ to 8½c.

WHITE ZINC—Genuine, French V.M., in casks, $7 to $7.25; Lehigh, in casks, $6.

PARIS WHITE—90c.

WHITING — 55c. per 100 lb.; Gilders' whiting, 85c.

GUM SHELLAC—In cases, 20c.; in less than cases, 24c.

PLASTER PARIS — Ordinary, $1.75 per barrel; New Brunswick, $2 to $2.20 per barrel.

PUMICE STONE—Powdered, $2.50 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c, in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, $1.10 per gallon; No 1 quality, 90c. per gallon.

SEAL OIL—59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9c. per lb. and 10c. for single tins.

LINSEED OIL — Raw, 1 to 4 barrels, 59c.; boiled, 62c.; 5 to 9 barrels, raw, 58c.; boiled, 61c.; 10 to 15 barrels, raw, 55c.; boiled, 58c.; 16 to 30 barrels, raw, 54c.; boiled, 57c.; carlots, raw, 53c.; boiled, 56c. The prices for from 10 to 30 are strictly f.o.b. point of shipment, while delivery to any point in Western Ontario is included in the price of 1 to 9 barrels and cars.

TURPENTINE—Single barrels, 77c.; two to four barrels, 76c., freight allowed; in less quantities than barrels, 5c. per gallon extra will be added, and for five-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

GLASS.

Import orders of window glass are arriving pretty well. One importing house got in 2,000 boxes last week, and another expects 1,700 boxes this week. An unusually heavy trade is being done from stock, large orders of window, ornamental, and plate glass being booked steadily. Prices are firm. We quote window glass : Star, first break in 50-foot boxes, $2.15, and in 100-foot boxes, $4; double diamond under 25 united inches, $6, Toronto, Hamilton and London; terms 4 months or 3 per cent. 30 days.

OLD MATERIAL.

Prices are steady. The demand keeps brisk. We quote: Agricultural scrap, 55c. per cwt.; machinery cast, 60c. per cwt.; stove cast scrap, 45c.; No. 1 wrought scrap, 55c. per 100 lb.; new light scrap copper, 12½c. per lb.; bottoms, 11c.; heavy copper, 15c.; light scrap brass, 7½c.; heavy yellow scrap brass, 10c.; heavy red scrap brass, 11c.; scrap lead, 2½c.; zinc, 3c; scrap rubber, 4½c.; good country mixed rags, 65 to 75c.; clean dry bones, 45 to 50c. per 100 lb.

HIDES, SKINS AND WOOL.

HIDES—The advance in cured hides noted last week has been followed by a rise of ¼c. in the price of green hides. We quote : Cowhides, No. 1, 8¾c.; No. 2, 7¾c.; No. 3, 6½c. Steer hides are worth ½c. more. Cured hides are worth 9¼c.

SKINS—Dekins are 5c. dearer. Otherwise there is no change. We quote : No. 1 veal, 8-lb. and up, 9c. per lb.; No. 2, 7c.; dekins, from 35 to 40c.; culls, 15 to 20c. Sheep and lambskins are selling at 70c.

WOOL—The feeling keeps firm. There is a good demand, but dealers are not anxious to sell at the advance of last week. We quote : Clothing wool, 17c.; combing fleece, 15c.; unwashed, 9 to 10c.

SEEDS.

Alsike continues in brisk demand, and, as buyers are anxious to secure supplies because of the shortage, another advance of 50c. is noted this week, buyers now paying $5.50 to $7 at outside points. Timothy continues easy at 75c. to $1 for choice to fancy lots, and $1.25 for extra fancy samples at outside points.

COAL.

Difficulty is still being experienced in filling orders because of the lack of transportation facilities. We quote anthracite for October delivery at Buffalo and bridges : Egg, stove, and nut, $4 75 per gross ton, or $4.24 per net ton; grate, $4.50 per gross ton or $4.01 per net ton.

PETROLEUM.

There is no change this week. A large trade is reported at firm figures. We quote as follows : Pratt's Astral, 17¾ to 18c. in bulk ($1 extra for barrels); American water white, 17¾c. in barrels; Photogene, 17¼c.; Sarnia water white, 16¾c. in barrels; Sarnia prime white, 15½c, in barrels.

MARKET NOTES.

Enameled ware is dearer.

White lead is 37½c. per 100 lb, dearer.

Barbed wire is 25c. per 100 lb. dearer.

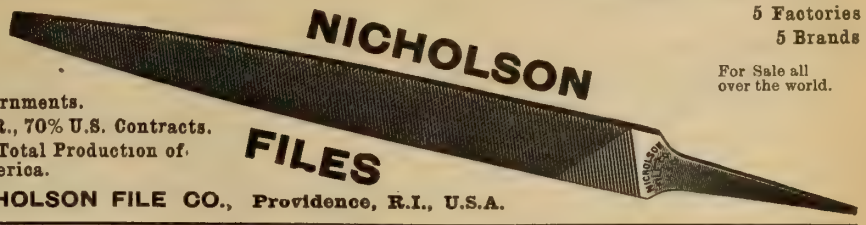
H. S. Howland, Sons & Co., have in stock a full supply of Bosley's weather strip.

The discount on galvanized pails, flaring pails, and galvanized washtubs, has been reduced to 45 per cent.

The rates for turpentine and linseed oil for outside delivery have been reduced to that charged in Toronto, Hamilton and London.

Cut nails have been advanced another 10c. per keg, the base price being $2.60. Discount on pressed spikes has been reduced to 20 per cent.

76,800 Daily Production
5 Factories
5 Brands



For Sale all over the world.

16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of America.

NICHOLSON FILE CO., Providence, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited. Established 1773.

Manufacturers of **Polished, Silvered, Bevelled, Chequered, and Rough Plate Glass.** Also of a durable, highly-polished material called "**MARBLETTE,**" suitable for Advertising Tablets, Signs, Facias, Direction Plates, Clock Faces, Mural Tablets, Tombstones, etc. This is supplied plain, embossed, or with incised gilt letters. **Benders, Embossers, Brilliant Cutters, etc., etc.** Estimates and Designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow 12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address; "Glass, St. Helens." Telephone No. 68 St Helens.

Barrett's Glass Cutters Standard

Barrett's Practical Glass Cutters are the standard the world over.



Sold by more Hardware Dealers than all other makes combined. Send for prices and sample. W. L. BARRETT, Manufacturer, Bristol, Conn., U.S.A.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

AN order winding up The Anglo-Canadian Asbestos Co., Limited, has been granted, and R. T. Hopper has been appointed provisional guardian.

Hebert Fleury & Co., hardware dealers, Montreal, have assigned.

John Burns & Co., manufacturers of steel ranges, etc., Montreal, have assigned.

John C. Anderson, coal and wood dealer, Windsor, Ont., has assigned to William Home.

J. N. Fontaine, general merchant, Papineauville, Que., has assigned to Kent & Turcotte.

Albert A. Copp, general merchant, etc., Baie Verte, N.B., has compromised at 35c. on the dollar.

Alex. Henderson, general merchant, Shawbridge, Quebec, has assigned to W. Barclay Stephens.

Wm. Reid has been appointed curator of Quinn & Allard, sawmillers, etc., Conception Station, Que.

Alex. Desmarteau has been appointed curator of N. Commiere, Fils & Cie, founders, Maissoneuve.

A first dividend has been declared, payable October 23, by the estate of Herman Lefkovitz (late) general merchant, Riviere a Pierre, Que.

SALES MADE AND PENDING.

W. T. Nugent, general merchant, Belmont, Ont., has sold out.

George M. Creighton, blacksmith, Embro, Ont., is advertising his business for sale.

The stock of E. W. Pack, general merchant, Hartney, Man., has been sold at 62¾c. to J. R. Anderson.

The stock of J. H. Binns, hardware dealer, Killarney, Man., is advertised for sale by tender on October 16.

The book debts, etc., of the estate of Simon P. Grunin, general merchant, Springfield, N.S., are advertised for sale by tender.

The stock of L. N. Bourgeois & Co., general merchants, Danville, Que., has been sold at 59¾c. on the dollar, and their book debts at 49c. on the dollar.

The stock of J. N. Duguay & Co., general merchants, etc., La Baie, Que., has been sold at 70c. on the dollar, and their book accounts at 50c. on the dollar to Mrs. J. N. Duguay.

PARTNERSHIPS FORMED AND DISSOLVED.

William and A. E. Hersee are forming partnership as hardware dealers in Hamilton.

Geo. E. MacDonald and Clarence M. Marpole have registered partnership under the style of G. E. MacDonald & Co., coal and shipping brokers, Vancouver.

CHANGES.

J. A. Cole, general merchant, Rodney, Ont., has been succeeded by Geo. Whitton.

George Kelly, blacksmith, Ottawa, has retired from business.

Geo. Whitton, general merchant, Fingal, Ont., has removed to Rodney, Ont.

W. L. Ross, general merchant, Croton, Ont., has been succeeded by —. Bigham.

Chas. Hamilton, hardware dealer, Blyth, Ont., has sold out to Dunstedt Bros.

James Zavitz, general merchant, Poplar Hill, Ont., has been succeeded by Ephraim Zavitz.

Samuel T. Piper, blacksmith, Lambeth, Ont., has been succeeded by D. E. Vandevies.

Paschal Amesse has registered as proprietor of Amesse & Co., dealers in gasoline stoves, Montreal.

Peter Mittleholtz, manufacturer of brick and tile, West McGillivray, Ont., has been succeeded by John W. Hardy.

FIRES.

Melbourne Scott, general merchant, and A. W. Baird, grocer, Sussex, N.B., have been burned out.

E. Parris & Co., general merchants, Brooklyn, B.C., are reported to have been burned out.

The St. Lawrence Foundry Co., of Toronto, was damaged by fire to the extent of about $1,000 on Wednesday morning.

ORDERS FOR METALLIC ROOFING GOODS.

For months the factory of the Metallic Roofing Co., at the corner of King and Dufferin streets, Toronto, has been running night and day to prevent their customers being kept waiting. But even this doubling up of working hours has not entirely relieved the pressure, and the trade is urged to send in orders as much before the desired date of delivery as possible.

Timely notice of their needs from every customer will be of great assistance to the firm in their endeavors to ship all goods promptly as required. By making a note of this request dealers can avoid any disappointment from delays, which are sometimes unavoidable in short notice orders.

AFTER TWENTY YEARS.

Mr. John Brock, chairman of the United Alkali Co., Liverpool, Eng., passed through Montreal a few days ago, and reports a wonderful activity in all industries in England at the present time. He will visit Ottawa, Toronto, and other cities in Canada and the United States before returning home. This is his first visit to Montreal in 20 years, and he was much struck by the great improvements which have in the meantime taken place.

Octave and John A. Aubin have registered partnership as general merchants under the style of A. Aubin & Co., Hudson, Que.

BALDWIN IRON MINE.

The Baldwin Iron Mine at Ironsides, from which considerable ore was taken out in the early days of mining in this district, and in which a very large deposit still remains, has been acquired by an American syndicate, who propose taking immediate steps to work it. What has led to the purchase of the mine is the existing boom in iron ore, which has had the effect of enhancing the values of all iron-bearing properties, and of increasing the desire of capitalists to acquire them. Another evidence of this was the recent sale of the old Haycock mine, on the Gatineau River, to Mr. H. O. Hibbard. It is now about eight years since the Baldwin mine was worked, the owners being members of the family of the late James MacLaren. The demand for the ore slackened off on account of the market becoming overstocked, and operations were closed. Before that the mine was worked by the late Mr. Haycock, the original owner. The new ownership of the mine consists of a company of American capitalists, represented here by Mr. E. A. C. Pew, who is well-known in Toronto. Some time ago Mr. Pew made an examination of the property with a mining expert, and it was upon the latter's report that it was purchased. It is the intention of the company to open up the mine at once, and ship the ore in large quantities to the smelters in the United States.

INCREASE IN SOUTHERN IRON SHIPMENTS.

The Southern Iron Committee, for the eight months of the year ending September 1, show shipments of 1,025,796 tons of pig iron from the Alabama-Tennessee district, an increase of 187,545 tons over shipments in similar period in 1898. Shipments of pig iron were 127,740 tons, an increase of 38,535 tons. Export pipe shipments were 9,322 tons, an increase of several hundred per cent.

Shipments of pig iron from the Birmingham district alone were 609,019 tons, an increase of 84,172 tons, and those of cast iron pipe 45,522 tons, an increase of 15,619 tons. At the present ratio, pig iron shipments will aggregate for the year 250,000 tons more than last year.

August exports of pig iron declined 7,000 tons as compared with August, 1898, and will be less for the remainder of the year, but the year's total will closely approach, if not equal, last year's total of 203,000 tons.

THE MAIL-ORDER BUSINESS.

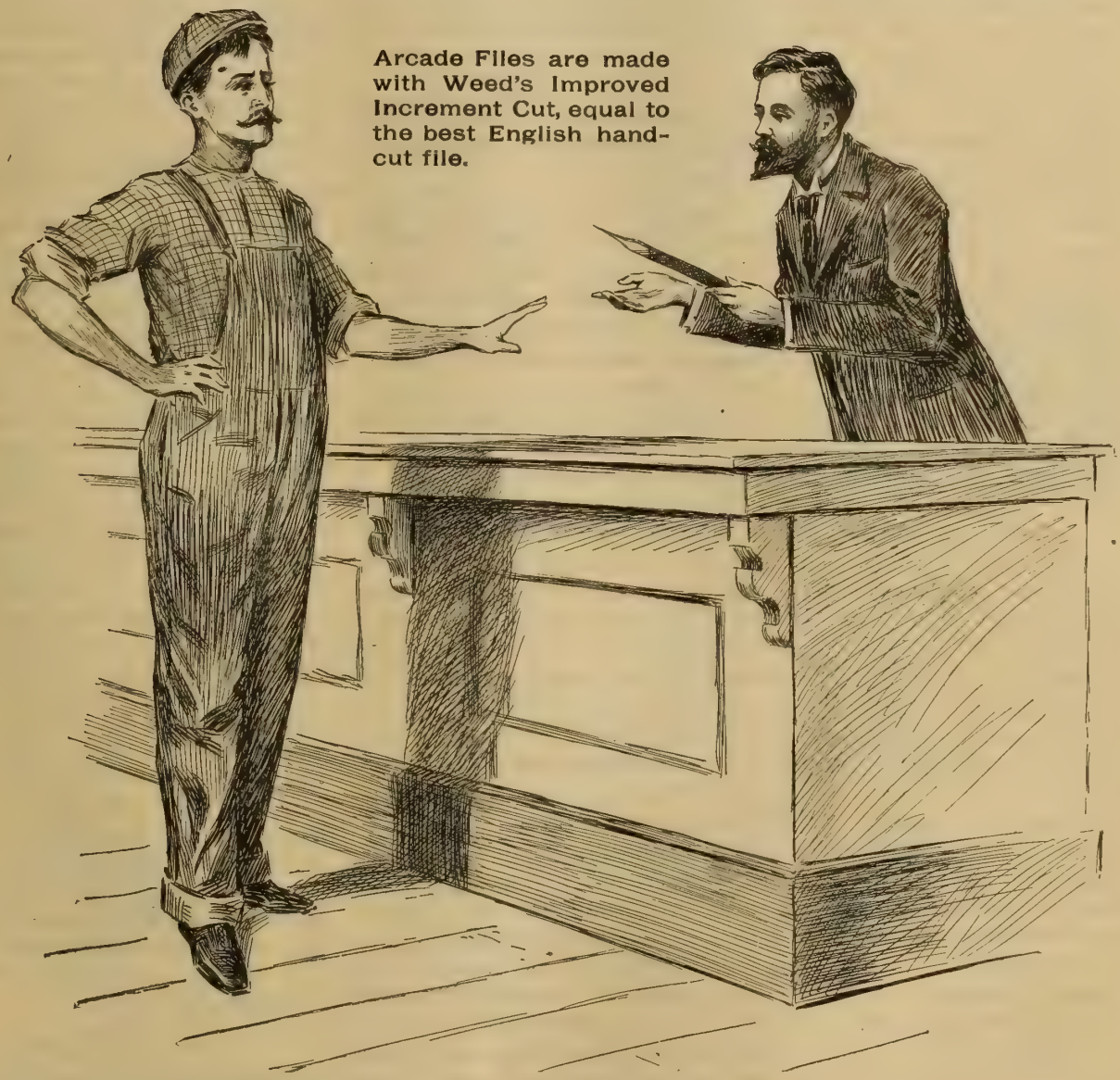
It is estimated that one-tenth of the population, or seven millions of people, buy, more or less, through the mails. The amount of mail-order business in the country is simply astonishing. We believe we can name 50 concerns in Chicago that do a combined mail-order business of $1,000,000 a week, and Chicago is but one city.—Boyce's Hustler.

The WORLD'S GREATEST FILE WORKS

ESTABLISHED 1842.

There is no other file "just as good."

THE ARCADE IS THE BEST



Arcade Files are made with Weed's Improved Increment Cut, equal to the best English hand-cut file.

"I want an ARCADE file."
"We are all out of ARCADE files. Try this; it is just as good."
"No, Sir. I want the ARCADE. It cuts faster and wears longer than any other file made"

THE ARCADE FILE WORKS

NEW YORK:
97 Chambers St.
SAMUEL W. ALLERTON,
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Works: ANDERSON, IND.
COURTLANDT C. CLARKE,
Sec. and Treas.

CHICAGO:
118 Lake Street.
ALFRED WEED,
Vice-President and Gen'l Mgr.

HEATING AND PLUMBING

NEW PRICES ON GASOLINE GOODS

THE new prices that have been put into effect on gasoline goods show that the manufacturers have taken a conservative view of the situation. It is not possible to put the advances in any definite percentages, as they have varied with the different classes of goods. For instance, in the highest grade of gasoline goods not more than a 4 or 5 per cent. advance has been made, while in the cheaper goods the advance is from 10 to 20 per cent., according to price. The high juniors have been put up about 14 per cent., but the low juniors, which are the principal sellers, have been advanced 50c. on the three-burner, and $1 on the two-burner, and 50c. on the one-burner; the percentage of increase varying from 7 to 20 per cent. The stationary tank stoves have been put up from 25 to 30 per cent.; while the cheaper juniors, with stationary tanks, have advanced 25 per cent.

The trade last year in blue-flame oil stoves was very satisfactory, and the manufacturers and dealers are looking forward to a repetition of the conditions this year, with a still further increase in the popularity of these goods. The prices have been advanced $2 per stove, which makes the advance in percentage from 10 to 20, according to the price of the apparatus. Wickless juniors, two and three burners, have been advanced $1.50 on each stove.

Considering the very great increase in cost of material it will be conceded that the manufacturers have taken a very conservative course. The prices generally hold through for a year on these goods, and there is nothing in the metal markets to indicate that a notable fall will occur in the cost of raw material before the gasoline season is at hand.—The Metal Worker.

PLUMBING AND HEATING CONTRACTS.

Purdy, Mansell & Co., Toronto, have the contract for plumbing and heating the new post office and customs house in Rat Portage, Ont.

Alex. Mackay, Montreal, has contracts for heating and plumbing the English church at Ontremont, and the Presbyterian church at Montreal Annex. He has also heating and plumbing contracts for a store and dwelling at 2257 St. Catherine st., and for private houses of Henry Trimmon, Westmount, and Mrs. Hagar.

Lessard & Harris, Montreal, have, among others, the following contracts: For plumbing and ventilation, at the Ste. Therese College of Ste. Therese; for the ventilation of the Soeurs de Providence Convent; for plumbing, heating and ventilation of Mr. Greenshield's private office on Peel st., for the heating and plumbing of the Presbytery at St. Antoine Abbey; and for the plumbing, heating, roofing and ventilation of the Eastern Townships Bank.

PLUMBING AND HEATING NOTES.

Gauthier & Caron, contractors, Montreal, have dissolved.

Partnership has been registered by Dandeneau & Turcotte, plumbers, Montreal.

Brown & Hughes, plumbers, Vancouver, have dissolved, W. A. Brown continuing.

Mrs. John Burns has registered as proprietress of John Burns & Co., plumbers, etc., Montreal.

The quarterly meeting of the Lead Association took place on Tuesday, October 10. Raising of prices is the order of the day.

Garth's new building on Craig street, Montreal, is rapidly progressing, and promises to be an extremely fine structure.

The contract for the plumbing of Manning's large office building at Queen and Terauley streets, Toronto, has not been let, and is not likely to be let until the erection of the building is well under way.

PLUMBERS ARE BUSY.

There is no lack of work for the plumbers of Montreal and Toronto this fall. In Montreal the plumbing houses are so busy that members of the executive of the National Association state that it is necessary to let associational matters stay dormant for the present. In Toronto all the principal shops are working to their utmost capacity, and the demand for journeymen plumbers and steamfitters has been greater than the supply. One large master plumber states that he has been advertising for a steamfitter for several days, but has been unable to secure one. The activity is likely to continue all fall.

TORONTO BUILDING PERMITS.

Building permits have been issued to John Stark & Co., for a two-storey and attic brick residence, Glen road, Rosedale, to cost $6,000; H. Cawthra estate, alterations to 98 Yonge street, to cost $2,000; Hobberlin Bros. Yonge and Richmond streets, alterations, to cost $800; George Leslie, two-storey and attic brick and stone residence, Jamieson avenue, to cost $5,000; H. G. Norton, alterations and additions, Foxley and Dundas streets, to cost $2,300; Lancashire Insurance Co., alterations to 27 Wellington street east, to cost $14,000; Kane Bros., a pair of semi-detached two-storey and attic brick residences, on the south side of Cawthra square, near Jarvis street, to cost $4,500; Geo. Rathbone, a two-storey brick lumber-room, at rear of 30 Northcote avenue, to cost $1,400.

A GOOD WORD FOR ACETYLENE GAS.

Editor CANADIAN HARDWARE AND METAL,—I noticed in your last issue a clipping from the Lindsay Post re the explosion of an acetylene gas machine called the "Sunlight" in T. Ivory & Sons' store.

I thought it would only be fair to state that I have an acetylene plant in, and have been using it continually for one year and eight months. It is called the "Happy Thought," and is made by the Guelph Acetylene Gas Generator Co. of Guelph.

I have had no explosion or anything like one. I have had an excellent cheap light with little or no trouble. I would not exchange it for any electric light I have seen yet. I write this for the benefit of my brother hardwaremen who may have hesitated about putting in a plant of this kind, and would like the light. I am running 21 lights on a 16-light machine and always have a good light when and where I want it, down cellar for glass or in the back part of the store on a dark day when the electric light plant is not running. I have had good satisfaction and excellent service at a low cost, and am well satisfied with it.

A. W. HUMPHRIES.

Parkhill, Oct. 10, 1899.

A PLUMBER'S IDEA.

The creation of a prestige in business is sometimes the result of small things. We know of a plumber who distanced all his rivals by furnishing his workmen every morning when they went out of his store with clean overalls and jumpers. He provided these himself and kept them clean, and he found it to be the cheapest and most effective advertising, because all the housewives appreciated it so much that they told all their friends, and everybody in their immediate neighborhood sent for this particular plumber when they needed a plumber.—Advertising Experience.

Toronto Foundry Co.

Manufacturers of **SOIL PIPE, FITTINGS, SINKS, BOILER STANDS.**

Nos. 146-148-150 Niagara Street, TORONTO

The only Exclusive Manufacturers of Soil Pipe and Soil Pipe Fittings in Canada. . . . . .

All goods stamped T. F. Co. are warranted.

CLEANING GASOLINE.

From C. F. M., New York.—Will you please tell me through The Metal Worker what is the best and safest method of cleaning or filtering gasoline?

Answer.—It is rather difficult to answer this question without knowing the circumstances. On a small scale, the best method would be to pack the spout of a funnel with cotton, and, if possible, cover the top so as to prevent evaporation, allowing the gasoline to slowly filter through the cotton into a receptacle underneath. The same general method is used by oil refiners, except that the cotton is packed in a regular pipe filter and the oil or gasoline forced through it by pumping. This, however, is seldom resorted to, as, if properly manufactured, filtering is not necessary except for some special purpose.—Metal Worker.

SOLDER TO RESIST AMMONIA.

A correspondent of Metal Worker writes: Can you inform me of a solder for iron pipe that ammonia will not affect—I mean something stronger than tinsmith's solder?

The answer given was: Pure block tin is the only solder suitable for ammonia joints. It flows easily on iron and is in general use by the builders of refrigerating machinery for soldering pipe joints. It flows at a higher temperature than ordinary tinman's or plumber's solder, melting at 446 degs. F., amply high enough for any ammonia joints.

SEND for specimen copy of Phillips' Monthly Machinery Register, containing over 5,000 entries of new and second-hand machinery of every description. The oldest established and most successful medium in the world. Established 25 years for the purpose of introducing those who have machinery for sale, to those who wish to buy, has a circulation of about 50,000 copies per annum, all over the world, and is used for continual reference by a large number of firms. It is consequently a most valuable advertising medium for all engineers and manufacturers. Subscription, 6s. per annum, price per copy, 6d. Sole Proprietor, CHAS. D. PHILLIPS, M.I.M.E., Newport, Mon., England. Telegraphic address: "Machinery, Newport, Mon."

The Syracuse Smelting Works

ARE MANUFACTURERS OF

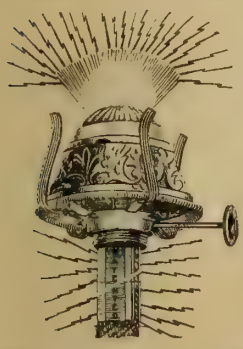
Plumbers' and Tinsmiths' Solder

of highest quality. Highest market prices paid for old Brass and Copper.

SYRACUSE SMELTING WORKS

MONTREAL.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY. MONTREAL.



This light, we claim, produces a steady incandescent light double the value of ordinary, and consumes less oil (Canadian preferred). Requires snuffing only once in two months—does not smoke—chimneys need no wiping. Positively without smell. Why? Because our automatic battery produces an electric current from the chemicals of the oil which carbonizes the wick, thus the above results. Less explosive. Will fit any lamp. Sells at sight.

Manufactured by

Electric Petroleum Light Co.,

- - - Toronto.

Write for prices to **H. S. Howland, Sons & Co., Front St. West, Toronto.**

GEORGE TUCK & CO.

.. Importers of ..

Asbestos and Tuck's Packings

Pipe and Boiler Coverings, Cotton Waste, Oils, Oakum, etc., and General Engineers' Supplies.

No. 7 ST. PETER STREET, - - MONTREAL

KNOX HENRY.

Heavy Hardware and Metal Broker

Room 220½ Board of Trade, MONTREAL.

SPECIALTIES—C Brand Horse Nails—Canada Horse Nail Co.

BOLTS—Tire and Stove Rivets of all kinds—Chalcraft Screw Co.

BRASS GOODS—Gunn Castor Co., Limited, Birmingham, Eng.

McCaskill, Dougall & Co

Fine Varnish & Japan Manufacturers.

Montreal

Price Lists on application

HARRINGTON & RICHARDSON ARMS CO.

WORCESTER, MASS., U. S. A.

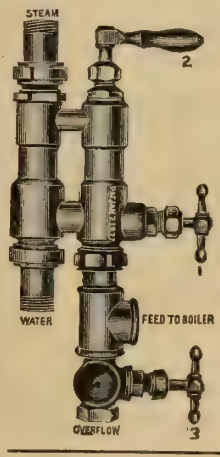


Makers of

High Grade REVOLVERS

SEND FOR COMPLETE CATALOGUE.

For sale by Sporting Goods and Hardware Stores almost everywhere.



THE

HANCOCK INSPIRATOR

This old established machine is proving itself universally the best Boiler Feeder for all uses.

Over 2,000,000 Sold.

Is a double tube machine. Has stronger working power than single tube machines.

The genuine manufactured only by

THE

James Morrison Brass Mfg. Co., Limited,

TORONTO.

HUTCHISON, SHURLY & DERRETT

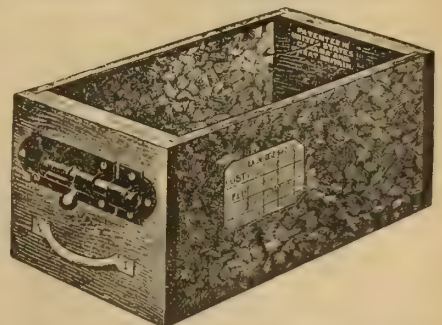
DOVERCOURT TWINE MILLS.

1078 BLOOR STREET WEST, TORONTO.

Having equipped our Factory with entirely new machinery, we are prepared to furnish the best made goods in the market at closest prices and make prompt shipments.

Hand Laid Cotton Rope and Clothes Lines,
Cotton and Russian Hemp Plough Lines, plain and colored.
Cotton and Linen Fish Lines, laid and braided.
Netted Hammocks, white and colored, Tennis and Fly Nets.
Skipping Ropes, Jute, Hemp and Flax Twines.

SUCCESS in selling depends upon the value given. The firm making **Bennett's Shelf Box** for the U.S. market sold **17,349** between July 1, 1899 and September 30, 1899.



Known in the U.S. as Heller's Shelf Box. Send for particulars and prices to the patentee and manufacturer for Canada

J. S. Bennett, 20 Sheridan Ave., Toronto.

N.B.—Will be made to fit your present shelving.

ELECTROLYSIS OF CAST IRON PIPES

In a paper read some time ago before the American Society of Municipal Improvements, Washington, H. P. Brown says that cast iron pipes are usually but little affected by electrolysis, since the coating of adherent molding sand and tar protects them. In the ordinary soil, an iron pipe submitted to electrolytic corrosion is covered with a layer of iron oxide, which is a poor conductor of electricity, so that, with a given pressure, the deeper the layer of rust the slower is the rate of corrosion. In the case of cast iron pipes at Dayton, Ohio, the surrounding soil seems to give a different reaction when a current passes through it. The tar appears to give no protection whatever, and the surface of the pipe is changed into a soft black material resembling graphite, and easily cut with a knife. The chemical analysis of the pipes shows that the percentage of iron is greatly diminished, while the percentage of carbon is more than doubled. Mr. Brown recommends the use of wooden pipes in districts covered by electric mains.

SEARCHING FOR ESCAPING GAS.

A correspondent of an English paper recommends the following precautionary measure in case of a gas escape: When the escape is being sought for, he advises that a sodawater or other strong bottle be taken and filled with water. It should then be brought as near as possible to the seat of the escape, emptied, and recorked at once. Wrapping a cloth about it in case of accident, it should be taken outside, the cork withdrawn, and a light applied. If there is no explosion, a light may be safely used in searching for the escape.

NEW INVENTIONS.

Below will be found a list of new inventions recently patented by Canadian inventors, through the agency of Marion & Marion, New York Life Building, Montreal: No. 63819, J. F. Grimmet, Boissevain, Man., self-rocking cradle; No. 63870, J. B. Hill, Winchester, Ont., cutting bar for mowing machines; No. 63922, J. H. Underwood, Calhoun, N.B., bag holder; No. 63926, A. Greenier, Vancouver, B.C., weeder and cultivator; No. 63931, Daniel Sullivan, Dominion City, Man., drain ditching plow; No. 63934, A. Urquhart, Fort Qu'Appelle, N.W.T., snap for harness; No. 63942, Thomas Fortier, Waterloo, P.Q., attachment for plows; No. 63971, Delpais Denis, St. Benoit, P.Q., potato digger; No. 63980, David Holford, Birtle, Man., device for supporting horses' heads; No. 63984, N. L. Gobeille, St. Hyacinthe, P.Q., attachment for plows.

We Want Your Axe Order FOR FALL SHIPMENT.

Kindly hold it till our representatives call on you.

James Warnock & Co., - Galt, Ont.

COW TIES

Greening's Patent

We make the following:

Open Ring, six sizes.
Small Closed Ring, six sizes.
Large Closed Ring, six sizes.
Three Chain, six sizes.
Greening's Special Tie with Stall Fixtures, five sizes.

Our ties have stood the test for years and are undoubtedly the best in the market. Send for new price list. For sale by all jobbers.

The B. GREENING WIRE CO., Limited

HAMILTON and MONTREAL.



Geo. D. Wood & Co.

WINNIPEG, MAN.

Importers of and Dealers in

SHELF AND HEAVY

HARDWARE, PAINTS, OIL, GLASS, PUMPS, ETC.

Stock now **complete** in seasonable lines. **Prompt** shipment.

Letter orders receive **special** attention.



WHY AM I MAD? Because I did not order a stock of JAP-A-LAC when I should have, but I am going to do so at once.

JAP-A-LAC

Produces a brilliant, elastic and beautiful finish, dries with the elasticity and hardness of Japanese Lacquer. Apply a coat over old Woodwork, Furniture, Floors, Oilcloths, Doors, Iron Work, Carriages, Bicycles, etc. Made in all colors, also the fashionable "Dead Black" Wrought Iron Finish for tarnished Chandeliers, Picture Frames, Lamps, etc. Try it once and you will always use it.

Canadian Depot, **A. WATT & CO.,**

Tel. Main, 2568. 43 St. Sacrament St., MONTREAL.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, **Montreal.**

Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates, Galvanized Sheets, Imitation Russia Sheets, Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.



VanTuyl & Fairbank

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Headquarters for . .

Oil and Artesian Well Pumps, Casing, Tubing Fittings, Drilling Tools, Tables, etc.

R. C. LeVESCONTE

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THE McKINNON BUILDING
Cor. Jordan and Melinda Streets

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Telephone 689.
Cable "LeVesconte" Toronto.

No. 3 Patent Well.

"Oil wont spill if upset."



Manufactured by

E. T. WRIGHT & CO.

Hamilton, Canada.

Send for New Catalogue.

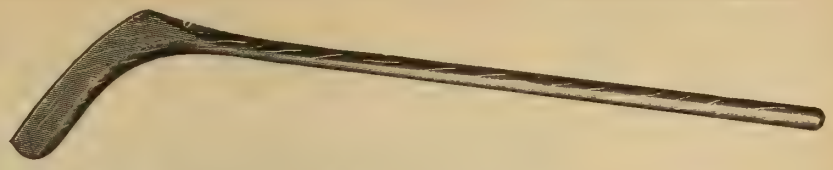
TRADE MARK J REGISTERED.

"JARDINE" TIRE UPSETTERS WILL UPSET TIRES

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.
HESPELER, ONT.



Hockey Sticks

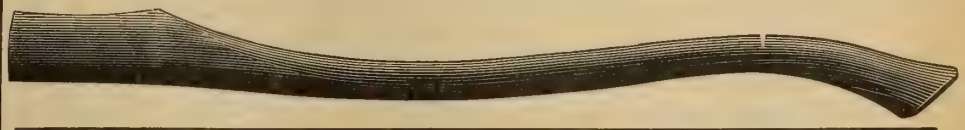
Write for samples and prices of our new pattern.

Handles

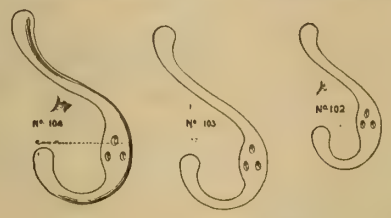
Of all descriptions, Neckyokes and Whiffletrees, etc., etc., to the trade only.

ST. THOMAS HANDLE AND TURNING WORKS

Established 1877. **J. H. STILL, Proprietor.**



GUNN'S PATENT "BRASSIC" GOODS



Made by an entirely new process.
Cheaper and better than old style.
Your stock not complete without them.

THE GUNN CASTOR CO., Limited

KNOX HENRY,
Canadian Agent, 220½ Board of Trade, MONTREAL.

EVERY ORIGINAL TIN HAS THIS IMPRESSION ON A WHITE CAPSULE
NOBLES & HOARE LONDON ENGLAND

Nobles & Hoare.

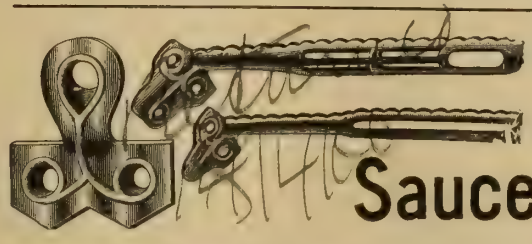
CORNWALL ROAD STAMFORD STREET.

LONDON, ENG.

Manufacturers of

HIGH-CLASS VARNISHES ONLY

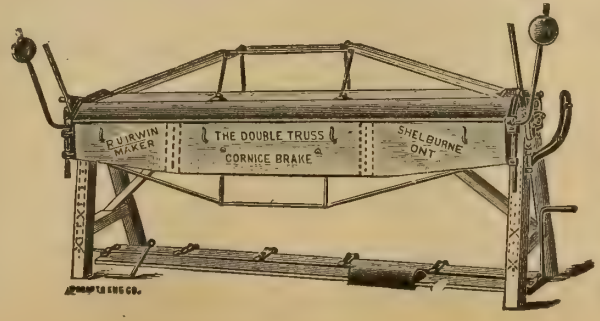
Which can be obtained direct from the works or from the principal Color Dealers in Canada.



Pail Ears AND Saucepan Handles.

Neatest designs, greatest strength and finest finish of any made. Large stock of all sizes constantly on hand and all orders filled promptly. By the gross, package or in bulk, as desired. SEND FOR CATALOGUE.

BERGER BROS. CO., Philadelphia, U.S.A.



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

Price, $50

Very handy beader attachment, $10 extra if required.

Send for circulars and testimonials to

The Double Truss Cornice Brake Co. SHELBURNE, ONT.

WADE & BUTCHER'S

"SPECIAL" Razors

Are unequalled for quality and finish.

JAMES HUTTON & CO., - MONTREAL

Sole Agents for Canada.

CURRENT MARKET QUOTATIONS.

Oct. 13, 1899.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—	
56 and 28 lb. ingots, per lb.	0 37
Straits	0 37

Tinplates.

Charcoal Plates—Bright.

M.L.S., equal to Bradley.	Per box
I.C., usual sizes	$6 50
I.X., "	7 75
I.X.X., "	9 00
J. R. & Co.—	
I.C	6 00
I.X	7 25
I.X.X	8 50
Famous—	
I.C.	6 25
I.X.	7 50
I.X.X.	8 75
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	5 75
I.X.X. "	6 50
I.XXX., "	7 25
D.C., 12½x17	4 50
D.X	5 25
D.X.X	7 25

Coke Plates—Bright.

Bessemer Steel—	
I.C., usual sizes	4 35
I.C., special sizes, base	4 50
20x28	8 75

Charcoal Plates—Terne.

Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 50
I.X., Terne Tin	10 50

Charcoal Tin Boiler Plates.

Cookley Grade—	Per lb.
X X., 14x56, 50 sheet bxs	0 07
" 14x60 "	0 07
" 14x65, "	0 07½

Tinned Sheets.

72x30 up to 24 gauge	0 07½ 0 08
" 26 "	0 08 0 08½
" 28 "	0 08½ 0 09

Iron and Steel.

	Base	Price
Common Bar, per 100 lbs	2 30	2 35
Refined " "		2 65
Horse Shoe		2 40
Hoop steel, 1½ to 3 in. base, extras for smaller sizes		2 75
Swedish " "	4 00	4 25
Sleigh Shoe Steel " base		
Tire Steel		
Machinery		2 65
Cast Steel, per lb	0 10	0 14
Toe Calk Steel		
Thos. Firth & Sons' Cast Steel	0 12	0 14
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker.	2 00	2 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½-inch	0 11
2 "	0 12
2½ "	0 14
"	

Steel Boiler Plate.

¼ inch	3 25
3-16 inch	3 40
⅜ inch and thicker	3 25

Black Sheets.

18 gauge	2 75
20 gauge	2 75
22 to 24 "	2 90
26	3 00
28 "	3 25

Canada Plates.

All dull, 52 sheets	2 75
Half polished	2 85
All bright	3 25

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ⅜ inch $3 60 ; ½ inch, $3.70 ; ¾ inch, $4.70; 1 inch, $5.90; 1¼ inch, $7.85 ; 1½ inch, $9.75; 2 inch, $13.00. 2½ to 6 inch, discount 50 p.c.

Galvanized, ½ inch, $6.50; ¾ inch, $8.00 : 1 inch, $11.50 ; 1¼ inch, $16.00; 1½ inch, $20.00 ; 2 inch, $28.50.

Galvanized Iron.

	G C. Comet.	Amer.	Queen's Head
16 gauge			4 25
18 to 24 gauge	4 50	4 20	4 50
26 "	4 75	4 40	4 75
28 "	5 00	4 70	5 00

Less than case lots, 25c. per 100 lb. additional.

Chain.

Proof Coil, 3-16 in., per 100 lbs	
" ¼ " "	8 00
" 5-16 " "	6
" ⅜ " "	5 25
" 7-16 " "	5 00
" ½ " "	4 75
" ⅝ " "	4 50
" ¾ " "	4 50

Trace and tug chain, discount 45 p.c.

Jack chain, iron, single and double, discount 35 p.c.

Jack chain, brass, single and double, discount 40 p.c.

Copper.

Ingot.		
English B. S., ton lots	0 20	0 21
Lake Superior		

Bolt or Bar.		
Cut lengths, round, ⅛ to ⅞ in.	0 23½	0 25
" round and square 1 to 2 inches	0 23½	0 25

Sheet.		
Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 23	0 23½
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 23	0 23½

NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.

Tinned copper sheets		0 26
Planished		0 32

Braziers. (In sheets.)		
4x6 ft. 25 to 30 lbs. ea., per lb.		0 25½
" 35 to 45 " "		0 24½
" 50-lb. and above, "		0 23½

Boiler and T. K. Pitts.		
Plain Tinned, per lb		0 28
Spun, per lb		0 32

Brass.

Roll and Sheet, 14 to 30 gauge, 5 per cent.		
Sheets, hard-rolled, 2x4	0 24	0 25
Tubing, base, per lb	0 24	0 25

Zinc Spelter

Foreign, per lb	0 07½	0 07¾
Domestic "		

Zinc Sheet.

5 cwt. casks	0 08
Part casks	0 08¼

Lead.

Imported Pig, per lb	0 04¼	0 04½
Domestic, per lb		
Bar, 1 lb		05
Sheets, 2½ lbs. sq. ft., by roll.	0 05¼	05½
Sheets, 3 to 6 lbs., per sq. ft., by roll	0 05	0 05¼

NOTE.—Cut sheets ½ cent per lb. extra

Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 17½ per cent. discount

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths, lists at 7½ cents.

Shot.

Ordinary, drop, $4.75 per 100 lb. ; chilled, $5.15 per 100 lb. F.O.B. Toronto ; terms 3 per cent cash, freights equalized on Montreal.

Soil Pipe and Fittings.

Discount, 50 and 10 per cent. on medium and extra heavy, and 50 per cent. on light.

Solder.

	Per lb.	Per lb.
Bar half-and-half	0 21	0 22
Refined	0 20½	0 21½
Wiping	0 20	0 20½

NOTE.—Prices of this graded according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 11	0 11½

White Lead.

	Per cwt.
Pure, Assoc. guarantee, ground in oil, 25 lb. irons	6 50
No. 1 do	6 12½
No. 2 do	5 75
No. 3 do	5 37½
No. 4 do	5 00
Robertson's Chemically Pure	6 50
Munro's Select Flake White	6 75
Elephant and Decorators' Pure	6 50
Brandram's B. B. Genuine	8 12½
" " No. 1	7 25
James' genuine	7 20
" " No. 1	6 75

Red Lead.

Genuine, 560 lb casks, per cwt.	$5 00
Genuine, 100 lb. kegs, per cwt.	5 25 5 50
No. 1, 560 lb. casks, per cwt.	4 75
No. 1, 100 lb. kegs, per cwt.	5 00

White Zinc Paint.

Elephant Snow White	0 08	0 09
Pure Whiie Zinc	0 08	0 09
No. 1	0 06	0 07½
No. 2	0 05	0 06½

Dry White Lead.

Pure, casks	0 05⅛
Pure, kegs	0 05⅜
No. 1, casks	0 04⅞
No. 1, kegs	0 05⅛

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)

Pure, per gallon	1 00	1 10
Second qualities, per gallon	0 90	0 95
Barn (in bbls.)	0 70	0 90
The Sherwin-Williams Paints		1 30
Canada Paint Co's Pure	1 10	1 20
Robertson's Pure	1 00	1 10
Sanderson Pearcy's Pure	1 00	1 10
Toronto Paint and Color Co.'s Pure	1 10	1 20

Colors in Oil.

(25 lb. tins, Standard Quality.)

Venetian Red, per lb	0 05
Chrome Yellow	0 11
Golden Ochre	0 06
French "	0 05
Marine Black	0 09
" Green	0 09
Chrome "	0 08
French Imperial Green	0 19

Colors, Dry.

Yellow Ochre (J. C.) bbls. per cwt	1 35	1 40
Yellow Ochre (J.F.L.S.), bbls. per cwt		2 75
Yellow Ochre (Royal), per cwt	1 10	1 15
Brussels Ochre		2 00
Venetian Red (best). per cwt.	1 80	1 90
English Oxides, per cwt.	3 00	3 25
American Oxides, per cwt	1 75	2 00
Canadian Oxides, per cwt.	1 75	2 00
Super Magnetic Oxides, 93 p c.	2 00	2 25
Burnt Sienna, pure, per lb.		0 10
" Umber, " "		0 10
do aw		0 09
Drop Black, pure		0 09
Chrome Yellows, pure		0 18
Chrome Greens, pure. per lb.		0 12
Golden Ochre		0 03¾
Ultra marine Blue in 28-lb boxes, per lb	0 08	0 24
Fire Proof Mineral, per 100 lb.		1 00
Genuine Eng. Litharge, per lb		0 07
Mortar Color, per 100 lb.		1 25
James' Gen. Red Lead, 100 lb		0 05
Pure Indian Red, No. 45, lb.		0 08
Whiting, per 100 lb.		0 55

Paris Green.

250 lb. casks	0 13½
50 lb. drums	0 14
1 lb. packages	0 15
½ lb. "	0 16½
1-lb. tins	0 15½

Sulphate of Copper.

Casks, for spraying, per lb.	0 07
100-lb. lots, do. per lb.	0 08

Putty.

Bladders in bbls.	1 80
Bladders in 100 or 200 lb. kegs or bxs	1 95
Bulk in bbls., per 100	1 65
Bulk in less quantities	1 80
25-lb. tins, 4 in case	2 05
12½-lb. tins, 8 in case	2 30

Quotations f.o.b. Toronto, Ottawa, Montreal, Hamilton, London, Guelph. For quantities less than 100-lbs., 2½c. per lb.

Varnishes.

(In 5-gal. lots.).	Per gal.	
Carriage, No. 1	1 30	1 40
Extra do.	1 50	1 60
Body Varnish	3 40	3 50
Furniture Varnish	0 60	0 75
Extra do.	1 10	1 20
Demar Varnish		1 60
Hard Oil Finish	1 30	1 45
Orange Shellac Varnish	2 00	2 10
White Shellac	2 20	2 25
Rubbing Varnish		2 00
Brown Japan	85	1 00
Elastic Oak		1 40

Linseed Oil.

Raw, per gal. net		0 59
Boiled, per gal. net		0 62

Turpentine.

1 to 4 barrels, net		0 76
Outside points 1c. more		

Castor Oil.

In cases, per lb		0 09
Small lots		0 10

Cod Oil, Etc.

Cod Oil, per gal.	0 50	0 55
Pure Olive		1 20
" Neatsfoot		90

Glue.

(In bbls.)

Common	0 08½	0 09
French Medal	0 12	0 12½
Cabinet, sheet	0 11	0 12
White, extra	0 16	0 18
Gelatine	0 22	0 30
Strip	0 16	0 18
Coopers	0 19	0 20
Al clear		0 09

HARDWARE.

Ammunition.

Cartridges.

B. B. Caps. Dom., 50 and 5 per cent.
Rim Fire Pistol, dis. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18 p.c. Amr.

Use Syracuse Babbitt Metal

IT IS THE BEST MADE



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds Machinery Bearings.

PIG TIN, LEAD, INGOT, COPPER, BRASS, NICKEL, ALUMINUM, ZINC SPELTER, ANTIMONY, ETC., FURNISHED PROMPTLY.

Factories: 332 William St., MONTREAL, QUE. and SYRACUSE, N. Y.

Syracuse Smelting Works

Central Fire Cartridges, pistol sizes, Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps. discount 45 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.
Brass Shot Shells, 55 and 10 per cent.
Primers, Dom., 80 per cent.

Wads.

	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½- b. bags	0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	

Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 33⅓ per cent.

Anvils.

Per lb	0 10	0 12½
Anvil and Vice combined each	....	4 50
Wilkinson & Co.'s Anvils..lb.	0 09	0 09½
Wilkinson & Co.'s Vices..lb.	0 09¾	0 10

Augers.

Gilmour's, discount 50 and 10 p.c. off revised list.

Hollow, Stearn's, per dozen..	13 00	20 00
Adjustable, Stearn's, each..	4 50	6 50
Post-hole, Vaughan's, each.,	60	90

AXES.

Chopping Axes—		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00
Bench Axes, 40 and 15 p c.		
Broad Axes, 33⅓ per cent.		
Hunters' Axes	5 50	6 00
Boy's Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Bath Tubs.

Zinc	3 90	4 00

Copper, discount 40 and 10 p c. off revised list
Steel clad, 20 per cent. discount off revised list. Boxing extra.

Anti-Friction Metal.

Tandem "A"	per lb.	0 23
" B	"	0 19
" C	"	0 11½

Magnolia Anti-Friction Metal, per lb. 0 25
F. O. B. New York or Chicago.

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent.

Door.

Gongs, Sargant's	5 50	8 00

" Peterboro', discount 50 per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00

Blacksmiths', discount 60 per cent.

Belting.

Extra, 50 per cent.
Standard, 50 and 10 to 50, 10 and 5 per cent.
Agricultural, 60 and 10 p.c.

Bits.

Auger.

Gilmour's, discount 50 and 10 per cent.
Rockford, Common, 70 to 70 and 10 per cent.
" Perfection, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent.

Gimlet.

Clark's, per doz	0 65	0 90
Diamond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind Rollers.

Annex, per doz	1 25	1 75
Mascott, "	1 35	1 85
Erminie, "	1 00	0 00

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Norway Bolts, full square	65
Common Carriage Bolts, 5-16 & under	55
" " " ⅜ and larger	50
" " " full square	65
Machine Bolts, all sizes	55
Coach Screws	67½
Sleigh Shoe Bolts	72½
Blank Bolts	55
Bolt Ends	62½
Nuts, square	3¾c.
Nuts, hexagon	4¼c.
Tapping Nuts	60
Tire Bolts	60 and 10
Stove Bolts	60 and 10
Stove rods, per lb	5½ to 6c.

Boot Calks.

Small and medium, per M	4 50	
Small heel, per M	4 25	

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent.

Henis, No. 8, "	....	6 00
Henis, No. 9, "	....	7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Plain building, per roll	0 28
Tarred lining, per roll	0 35
Tarred roofing, per 100 lb	1 40
Coal Tar, per barrel	3 75
Pitch, per 100-lb	0 60
Carpet felt, per 100 lb	2 25

Bull Rings.

Copper, $2.50 for 2½ in. and $2 for 2 in.

Butts.

Brass.

Wrought Brass, net revised list.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel.

Fast Joint, dis. 60 and 10 per cent.
Loose Pin, dis. 60 and 10 per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Cards.

Horse, per doz	0 60	1 00

Carpet Sweepers.

Bissell, per doz	....	22 50
World, "	....	24 75
Daisy, "	....	24 00
Star, "	....	18 00
Crown Jewel, per doz	....	29 00
Grand Rapids, "	24 00	33 00

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ percent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	50	9 50

Cement.

Canadian Portland	2 65	2 90
English "	....	3 00
Belgian "	....	2 70
Canadian hydraulic	1 00	1 10

Figures are for barrel lots.

Chalk.

Carpenters, Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 60 and 5 per cent.
Warnock's, dis. 60 per cent.

Churns.

Revolving Churns, metal frames—No. 0, $3—No. 1, $3.2)—No. 2, $3.40—No. 3, $3.75—No. 4, $4.50—No. 5, $5.90 each. Ditto, wood frames—15c. each less than above. Terms 4 months or 3 p.c off 30 days, f.o.b.

Cinder Sifters.

Per doz	1 25

Clips.

Axle dis. 65 per cent.

Closets.

Plain Ontario Syphon Jet	$8 00
Emb. Ontario Syphon Jet	8 50
Fittings	1 00
Plain Teutonic Syphon Washout	4 75
Emb. Teutonic Syphon Washout	5 25
Fittings	1 00
Plain Richelieu	4 75
Emb. Richelieu	5 00
Fittings	1 25
Closet connection	1 25
Basins, round, 14 in.	0 65
" oval, 17 x 14 in.	1 55
" " 19 x 15 in.	2 30

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 20 per cent. from factory.

Dies.

Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. per cent.

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Broad's, dis 75 per cent.
Warnock's, dis. 50 and 10 per cent.

Drills.

Hand and Breast.

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.

Stovepipe.

Per doz	0 85	1 70

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 45 per cent.

FILES.

Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
Black Dismond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Jowitt's, English list, 25 to 27½ per cent
Mechanics' Star & File Mfg. Co. Discount 60 and 10 to 70 per cent.

FORKS.

Hay, manure, etc., dis., 60 and 10 to 60 and 5 p. c. revised list.

FREEZERS

Ice Cream.

White Mountain, 1 to 25 qt	1 35	13 50
Arctic, dis. 50 p.c.		

FRY PANS.

Acme, dis. 65 to 67½ per cent.

FRUIT PRESSES.

Henis', per doz	3 25	3 50

Shepard's Queen City, dis. 15 per cent.

GAUGES.

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	Double Diamond Per 50 ft.	Double Diamond Per 100 ft
Under 26	2 10	4 00	3 50	6 00
26 to 40	2 30	4 35	3 75	6 65
41 to 50	....	4 75	....	7 25
51 to 60	....	5 00	....	8 50
61 to 70	....	5 35	....	9 25
71 to 80	....	5 75	....	10 50
81 to 85	....	6 50	....	11 75
86 to 90	....	7 25	....	14 00
91 to 95	....	....	....	15 50
96 to 100	....	....	....	18 00
101 to 105	....	....	....	21 00
106 to 110	....	....	....	24 00
111 to 115	....	....	....	28 00

16 x 16 10 per cent. off.

HALTERS.

Rope, ¾ per gross	8 25	8 55
" ½ "	9 25	6 50
" ⅝ "	11 00	11 20
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis 5 to 10 per cent. 25 to 27½ per cent.	Can.	dis.

Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz., net	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pair	0 40	2 50

Fork

C. & B., dis. 45 per cent. rev. list.

Hoe.

C. & B., dis. 45 per cent. rev. list.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 45 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾	0 20

HANGERS.

Door, 4 and 5 inch, per pair	0 40	0 50

Lane's, 62½ per cent.

HARVEST TOOLS.

Discount, 60, 10, and 5 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent.

HINGES.

Blind, Parker's, dis. 60 and 10 to 65 per cent
" Shepard's Noiseless, dis. 60 per cent.
" " Buffalo, dis. 60 to 70 p. c.

Heavy T and strap, 4-in., per lb			0 06
" " 5-in.,	"	....	0 06¾
" " 6-in.,	"	...	0 05½
" " 8-in.,	"	....	0 05¼
" " 10-in.,	"	....	0 05

Light T and strap, dis. 60 and 10 per cent.
Screw hook and hinge—

6 to 12 in., per 100 lbs	....	4 50
14 in. up, per 100 lbs	...	3 50
	Per gro. pair	
Spring	....	8 50

HOES.

Garden, Mortar, etc., dis. 60, 10 and 5 p.c.		
Planter, per doz	4 00	4 50

HOLLOW WARE

Discount,..... 45 and 5 per cent.

HOOKS.

Cast Iron.

Bird Cage, per doz.....	0 50	1 10
Clothes Line, per doz.....	0 27	0 63
Harness, per doz.....	0 72	0 88
Hat and Coat, per gross.....	1 00	3 00
Chandelier, per doz.....	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.

Hat and Coat, discount 60 per cent.
Belt, per 1,000..... 0 60 0 70
Screw, bright, dis. 65 and 10 per cent.

HORSE NAILS.

"C" brand 50 p.c. dis.
"M" brand 50 p.c. } Oval head.

Acadian, 50 and 20 p.c., countersunk head.

HORSESHOES.

Iron Shoes.	F.O.B. Toronto. No. 2 and larger.	No. 1. and smaller.
Light, medium, and heavy...	3 60	3 85
Snow shoes.....	3 85	4 10
Steel Shoes.		
Light.....	4 00	4 25
Featherweight (all sizes).....	5 25	5 25

JAPANNED WARE.

Discount, 50 per cent. off list, June, 1899.

ICE PICKS.

Star, per doz.....	3 00	3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.

Copper, per lb.....	0 30	0 50

American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 50 p.c.
Cabinet, trunk, and padlock, Am. per gross..... 60

KNOBS.

Door, japanned and N.P., per doz		1 00
Bronze, Berlin, per doz.....	2 75	3 25
Bronze Genuine, per doz....	6 00	9 00
Shutter, porcelain, F. & L. screw, per gross.....	1 30	4 00

KNIVES.

Hay knives, spear point, L. or T handle, 60 10 and 5 per cent.

Lightning, per doz.....	6 50	8 40

Health's, $7.75 net.

LANTERNS.

Cold Blast, per doz.....	7 50
No. 3 "Wright's".....	8 50
Ordinary, with O burner.....	4 25
Dashboard, cold blast	9 50
No. 0.	6 00

Japanning, 50c. per doz. extra.

LEMON SQUEEZERS.

	per doz.	
Porcelain lined,.....	2 20	5 60
Galvanized	1 87	3 85
King, wood.....	2 75	2 90
King, glass.....	4 00	4 50
All glass.....	1 20	1 30

LINES.

Fish, per gross.....	1 05	2 50
Chalk "	1 90	7 40

LOCKS

Canadian, dis. 33⅓ p.c.		
Russell & Erwin, per doz....	3 05	3 25
Cabinet.		
Eagle, dis. 30 p.c.		
Padlock.		
English and Am., per doz....	50	6 00
Scandinavian, "	1 00	2 40

Eagle, dis. 15 to 17½ p.c.

MACHINE SCREWS.

Iron and Brass.

Flat head, discount 25 p.c.
Round Head, discount 20 p.c.

MALLETS.

Tinsmiths', per doz.....	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz..	3 85	5 00
Caulking, each.....	60	2 00

MATTOCKS

Canadian, per doz.....	8 50	10 00

American, 60 and 10 p.c. off list.

MEAT CUTTERS.

American, dis. 30 to 32½ p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2d. and 3d	$3 60	$4 30
3d.....	3 25	3 95
4 and 5d.....	3 00	3 80
6 and 7d.....	2 90	3 65
8 and 9d.....	2 75	3 45
10 and 12d.....	2 70	3 40
16 and 20d.....	2 65	3 35
30, 40, 50 and 60d. (base).....	2 60	3 30

Steel Cut Nails 10c. extra.

NAIL PULLERS.

German and American.....	1 85	3 50

NAIL SETS.

Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.

Poultry, 40 per cent. for McMullen's.

OIL.

Canada refined (Toronto)....	....	0 13½
Sarnia Water White.....	....	0 15
Pratt's Astral.....	....	0 18
Sarnia, Prime White.....	....	0 14
American w. w.	....	0 16½

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz.....	0 00	11 00
Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz.....	1 25	3 50
Brass, "	1 50	3 50

Malleable, dis. 25 per cent.

PAILS.

	per doz.
Galvanized, straight pattern No. 12	.... 2 00
Galvanized, straight pattern No. 14.....	.... 2 25
Galvanized, straight pattern No. 16.....	.... 2 55
Flaring pattern, No. 11.....	.... 2 25
" " No. 12.....	.... 2 50
" " No. 13.....	.... 2 85
" " No. 14.....	.... 3 30

PIECED WARE.

Discount, 45 per cent. off list, June, 1899.

PICKS.

Per doz	6 00	9 00

PICTURE NAILS.

Porcelain head, per gross....	1 40	3 00
Brass head, "	0 40	1 00

PLANES.

Wood, bench, Canadian dis. 55 per cent. American dis. 55.
Wood, fancy Canadian or American, 37½ to 40 per cent.
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.
Miscellaneous, dis. 25 to 37½ per cent.
Bailey's Victor, 25 per cent.

PLANE IRONS.

English, per doz,.....	2 00	5 00

PLIERS AND NIPPERS.

Button's Genuine, per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz.. 5 00 9 00
German, per doz..... 0 60 2 60

PULLEYS.

Hothouse, per doz.....	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning.....	0 35	2 50

PUMPS

Canadian cistern.....	1 40	2 25
Canadian pitcher spout.....	1 15	2 00

PUNCHES.

Saddlers', per doz.....	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set.....	0 00	0 72
" hollow, per inch....	0 00	1 00

RAKES.

Cast steel and malleable Canadian, list dis. 50 and 10 p.c. revised list.
Wood, 25 per cent.

RASPS AND HORSE RASPS.

New Nicholson horse rasp, discount 60 p.c.
Globe File Co.'s rasps, 60 and 10 to 70 p.c.
Heller's Horse rasps, 50 to 50 and 5 p.c.

RAZORS.

	per doz.	
Geo. Butler & Co.'s,.....	8 00	18 00
Boker's	7 50	11 00
Wade & Butcher's.....	3 60	10 00
Theile & Quack's.....	7 00	12 00

REAPING HOOKS.

No. 2	....	$2 00
No. 3	....	2 05
No. 4	....	2 15
No. 5	....	2 20

REGISTERS.

Discount,..... 60 per cent.

RIVETS AND BURRS.

Carriage, Section, Wagon Box Rivets, etc. (Steel). 45 p c.
Black M. Rivets (Steel), 45 p.c.
Black and Tinned Rivets, 45 p.c.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets & Burrs, 35 p.c. dis., and cartons, 1c. per lb. extra, net.
Extras on Tinned or Coppered Rivets in ½-lb. cartons, 1c. per lb.
Burrs, iron or steel, 40 per cent.
Terms, 4 mos. or 3 per cent. cash 30 days.

RIVET SETS.

Canadian, dis. 35 37½ per cent.

ROPE, ETC

	Sisal.	Manila.
7-16 in. and larger, per lb.	12½	15
⅜ in.....	13	15½
¼ and 5-16 in.	13½	16
Cotton		14
Russia Deep Sea		15½
Jute		8
Lath Yarn		9¾
New Zealand Rope.....		10½

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

Mrs. Potts, per set.....		0 70
" N. P., per set.....		0 85

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 2½ per cent.
Emery, 40 per cent.

SASH CORD.

Per lb.....	0 20	0 50

SASH WEIGHTS.

Sectional, per 100 lbs.....	....	3 25
Solid, "	....	1 50

SAWS.

Hand, Disston's, dis. 12½ to 15 p.c.
S. & D., 40 per cent.
Crosscut, Disston's, per ft.... 0 35 0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.

Hack, complete, each.....	0 75	2 75
" frame only.....	....	0 75

SAW SETS.

"Lincoln," per doz.....	5 50	6 00

SCALES

Gurney Scales, 45 p.c.
B. S. & M. Scales, 45 p.c.
Champion, 55 per cent.
Fairbanks Standard, 45 p.c.
" Dominion, 60 p.c.
" Richelieu, 60 p.c.
Chatillon Spring Balances, 25 p.c.

SCREENS.

Door, patent per doz.....	6 00	12 00
Window, per doz.....	2 00	3 00

SCREW DRIVERS.

Sargent's, per doz.....	0 65	1 00

SCREWS

Wood, F. H., iron, and steel, 80 and 5 p.c.
Wood R. H., " dis. 75 and 5 p.c.
" F. H., brass, dis. 75 and 5 p.c.
Wood, R. H., " dis. 67½ and 5 p.c.
" F.H., bronze, dis. 67½ and 5 p.c.
" R.H. " 62½ and 5 p.c.
Drive Screws, 82½ and 5 per cent.

Bench, wood, per doz.....	3 25	4 00
" iron, "	4 25	5 75

SCYTHES.

Discount, per doz. net.....	4 50	6 00

SCYTHE SNATHS.

Canadian, dis. 50 p.c.

SHEARS

Seymour's, dis. 50 and 10 p.c.
Heinisch, dis. 50 and 10 p.c.
Seymour or Heinisch tailor shears. 15 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SNAPS.

Harness, German, dis. 35 to 37½ p.c.		
Acme	3 00	5 00
Lock, Andrews'.....	4 50	11 50

SOLDER.

Bar, half-and-half	0 21¼	0 22
Refined	20½	0 21
Wiping		0 19½

SOLDERING IRONS.

1, 1½ lb., per lb.....	0 37
2 lb. or over, per lb.	0 34

PRESSED SPIKES.

Discount, 20 per cent.

SQUARES.

Iron, per doz.....	1 65	2 90

Steel, dis. 50 and 10 per cent., revised list.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized		3 80
Bright		3 55

STOCKS AND DIES.

American dis. 25 p.c.

STONE.	Per lb,	
Washita.....	0 28	0 60
Hindostan	0 06	0 07
" slip, ...	0 09	0 09
Labrador	....	0 13
" Axe.....	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, per ton	15 00	18 00

STOVE PIPES.

5 to 6 inch, per 100 lengths....	....	6 75
7 inch, per 100 lengths.....	....	7 25

Stove Polish.



No. 4—3 dozen in case, net cash		$4 50
No. 6—3 dozen in case, "		7 50

STEP LADDERS.

Best grade, from 3 to 10-ft. long, per foot, 16c.
2nd grade, 3 to 10-ft., per foot, 10c.

TACKS BRADS, ETC.

	Per cent.
Strawberry box tacks, bulk .....75 and	10
Cheese-box tacks, blued.....	85
Trunk tacks, black and tinned.....	85
Carpet tacks, blued and tinned.....	80
" (in kegs).....	40
Cut tacks, blued, in dozens only..75 and	5
" ¼ weights	60
Swedes, cut tacks, blued and tinned—	
In bulk .....80 and	12½
In dozens	75
Swedes, upholsterers', bulk.....	85
" brush, blued and tinned, bulk..	50
" gimp, blued, tinned & japanned	75
Zinc tacks.....	30
Leather carpet tacks.....	60
Copper tacks.....	50
Copper nails.....	52½
Trunk nails, black and tinned.....	70
Clout nails, blued and tinned.....	70
Chair nails	40
Cigar box nails	40
Patent brads	45
Fine finishing	45
Picture frame points	20
Lining tacks, in papers	10
" " in bulk	15
" " solid heads, in bulk, 75 and	12½
Saddle nails in papers	10
" " in bulk	15
Tufting buttons, 22 line, in dozens only	60
Tin capped trunk nails.....	15
Zinc glazier's points.....	5
Double pointed tacks, dozens.....	85
" " " bulk.....	40

TAPE LINES.

English, ass skin, per doz....	2 75	5 00
English, Patent Leather....	5 50	9 75
Chesterman's each.....	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TINWARE.

Stamped, dis., Assn. list, 80 per cent.
Japanned, prices on application.
Pieced, prices on application.

TRANSOM LIFTERS.

Payson's per doz.....	2 60

TRAPS. (Steel.)

Game, Newhouse, dis. 40 p c.
Game, H. & N., P. S. & W., 65 p.c,
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's, discount 10 per cent.

German, per doz.....	4 75	6 00
Brade's "	5 00	10 50

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb.....	....	0 21
Wrapping, mottled, per pack.	0 50	0 60
Wrapping, cotton, per lb	0 17	0 18
Mattress, per lb.....	0 33	0 45
Staging, "	0 27	0 35
Broom, "	0 30	0 55

VISES.

Hand, per doz.....	4 00	6 00
Bench, parallel, each	2 00	4 50
Coach, each.....	6 00	7 00
Peter Wright's, per lb.....	0 12	0 13
Pipe, each.....	5 50	9 00
Saw, per doz	6 50	13 00

ENAMELLED WARE.

White Ware, discount 50 per cent.

WIRE.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Smooth Steel Wire, base, $3.35 f.o.b. factory points. Listof extras: Nos. 2 to 5, advance 7c. per 100 lb.—Nos. 6 to 9. base—No. 10, advance 7c.—No. 11, 14c.—No. 12, 20c.—No. 13, 35c.—No. 14 47c.—No. 15, 60c.—No. 16, 75c. Extras net per 100 lb.: Coppered wire, 60c.—tinned wire, $2—oiling, 10c.—special hay-bailing wire, 30c.—spring wire, $1— best steel wire, 75c.—bright soft drawn, 15c.—in 50 and 100-lb. bundles net, 10c.—in 25-lb. bundles net, 15c.—packed in casks or cases, 15c.—bagging or papering, 10c.
Fine Steel Wire, dis. 12½ per cent. factory. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19. $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, $7.65—No. 24, $8—No. 25, $9—No. 26, $9.50—No. 27, $10—No. 28 $11—No 29, $12—No. 30, $13—No. 31, $14—No 32, $15 No. 33, $16—No. 34. $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31, $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles. 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering. 10c.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.60—No. 9, $3.10—No. 10, $3.70—No. 11, $3.75—No. 12, $3 20—No. 13, $3.45—No. 14, $4 10—No. 15, $4.70—No. 16. $4.85.

Broom Wire, per lb.....	0 05	0 05½
Clothes Line Wire, 19 gauge, per 1,000 feet.....	....	3 30

WIRE FENCING.

	F.O.B Toronto
Galvanized, 4 barb, 2¼ and 5 inches apart.....	3 25
Galvanized, 2 barb, 4 and 6 inches apart.....	3 25
Galvanized, plain twist.....	3 25

Terms, 2 per cent. in 10 days.

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net...	1 75

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 70 to 70 and 10 p.c.
Standard. dis. 60, 60 and 10 per cent.
Coe's Genuine, dis. 20 to 25 p.c.
Diamond dis. 33⅓ to 25 per cent.

Towers' Engineer, each.....	2 00	7 00
" S., per doz	5 80	6 00
G. & K.'s Pipe, per doz.....	....	3 40
Burrell's Pipe, each.....	...	3 00
Pocket, per doz.....	0 25	2 90

WRINGERS.

Leader.....per doz.	$60 00
Royal Canadian ..... "	58 00
Royal American ..... "	48 00

Discount, 45 per cent.: terms 4 months, or 3 p.c 30 days. Prices are f.o.b. London, Hamilton Toronto, Brockville or Montreal.

THE OAKVILLE BASKET CO.,



Manufacturers of

1, 2, 3 Bushel

Grain

AND

Root

BASKETS

THE OAKVILLE BASKET CO.

SEALED TENDERS addressed to the undersigned and endorsed "Tender for Quarantine Buildings, Partridge Island, N.B.," will be received until Saturday, October 21st, for three buildings —hospital, a detention building for ship's officers and crew, and a detention building for immigrants.

Plans and specification can be seen and form of tender and all necessary information obtained at this Department and at the office of R. C. John Dunn, Esq., Architect, St. John, N.B.

Persons tendering are notified that tenders will not be considered unless made on the form supplied and signed with their actual signatures.

Each tender must be accompanied by an accepted bank cheque, made payable to the order of the Honourable the Minister of Public Works, equal to ten per cent. (10 p.c.) of the amount of the tender, which will be forfeited if the party decline to enter into a contract when called upon to do so, or if he fail to complete the work contracted for. If the tender be not accepted the cheque will be returned.

The Department does not bind itself to accept the lowest or any tender.

By order.

E. F. E. ROY,

Secretary.

Department of Public Works,
Ottawa, October 4th, 1899.

Newspapers inserting this advertisement without authority from the Department will not be paid for it. (41)

D. F. Jones Manufacturing Co. Limited, of Gananoque, Ont.

Established 1852.

Shovels
Spades
Draining Tools

TRADE MARK. J D.F.J.MF'G.CO.

Grain and Coal Scoops and Miners' Shovels

The only Canadian manufacturers of Plain Back Shovels and Spades **THAT ARE SOLID**, without weld, and graduated from socket to point, and from centre to sides, of blades.

All our goods have trade mark on the handle.



IRON AND BRASS

Pumps

Force, Lift and Cistern Hand and Power.

For all duties. We can supply your wants with —quality the best and prices right. Catalogues and full information for a request.

THE R. McDOUGALL CO., Limited

Manufacturers, **Galt, Canada.**

SHIELD BRAND

Sheathing is the

BEST.

Ask your dealer for it.

Manufactured by

Lockerby & McComb

65 Shannon Street, MONTREAL.

CHAS. F. CLARK, President. JARED CHITTENDEN, Treasurer.

ESTABLISHED 1849.

...BRADSTREET'S...

Capital and Surplus, $1,500,000. **Offices throughout the civilized world.**

Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying, and promulgating information, no effort is spared and no reasonable expenes considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world. Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by respectable and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its Offices. **Correspondence invited.**

THE BRADSTREET COMPANY

TORONTO OFFICE: Cor. Jordan and Melinda Sts.

THOS. C. IRVING, Superintendent.

PERFECTION AUTOMATIC REVOLVER.



NEW Automatic shell extracting, double action, small frame. Weighs 12 oz. Rebounding lock. 32 caliber. 5 shot.

Made with shorter barrel for bicycle use.

The most perfect small pistol made.

SEND FOR CATALOGUE.

Forehand Arms Co.

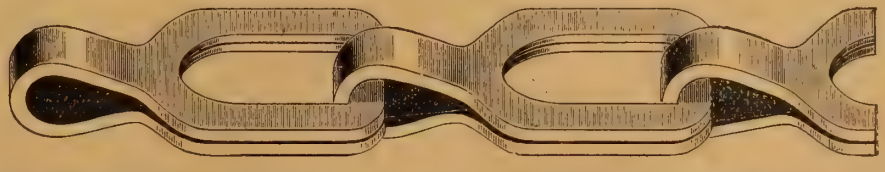
Manufacturers of the

Forehand Guns

Worcester, Mass.

AMERICAN COW TIES

WILL OUTLAST ALL OTHERS.



This is because the form of the link, the exact size and shape of which are shown above, is such that the wear is distributed evenly over its entire end. The bearing surface is thus very large, and the chain will wear for years without becoming worn appreciably.

With other styles of chain the bearing surface is only a very small portion of the extreme end of the link. Grooves are soon formed, and in a comparatively short time the links are worn—or, properly speaking, cut—through.

These facts are well shown on a cow tie recently brought us for repairs. It was an ordinary No 00 three chain tie. One chain was wire, the other two American. One of the wire links was worn entirely through. The others were nearly as bad—a strong pull would have broken almost any of them. With the American chains, on the other hand, the wear was very slight, and hardly noticable—three times this amount would not have weakened the chains seriously.

In addition, because of its flat link and smooth surface, American chain is much easier for the neck of the animal than the twisted or wire chain. The American link cannot injure the animal's neck—other styles of link are very liable to.

American Cow Ties are made in all the standard patterns and sizes. They are sold by all jobbers.

ONEIDA COMMUNITY, Limited, NIAGARA FALLS, ONT.

Est. 1863 — Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve Medals

Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895

HAVE YOU TRIED IT?

"PYRAMID" BRAND



BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM
HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

Sole Manufacturers:

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

61-63 FRONT ST. WEST, TORONTO.

SOMETHING GOOD

The "Jewel" Triple Heater

is the most powerful and artistic stove of its class yet manufactured.

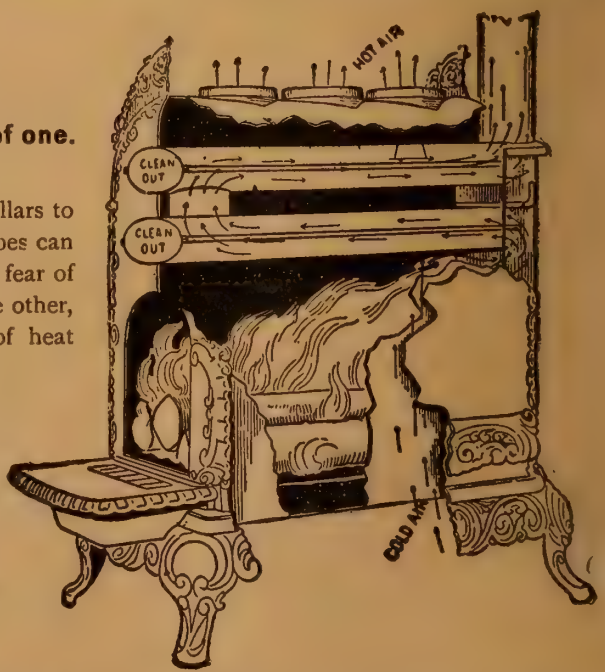


THREE HEATERS

for the price of one.

Three warm air collars to which three tin pipes can be attached without fear of one pipe robbing the other, as there is plenty of heat for all.

This stove is the most economical yet devised, and the dampers **are absolutely air-tight.** Write for quotations to the sole makers.



The BURROW, STEWART & MILNE COMPANY, Limited, Hamilton, Ont.

Montreal Smelting and Refining Works.
Langwell, Montreal.

CANADIAN
HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XI. MONTREAL AND TORONTO, OCTOBER 21, 1899. NO. 42

Magnolia Metal

Best Anti-Friction Metal for all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up in bars, of which this is a

FAC-SIMILE.



The name and trade mark appear on each box and bar, and besides this, the words "Manufactured in United States" and "Patented June 3, 1890" are stamped on the under side of each bar.

Magnolia Metal is still selling at the same price it has always sold at—no advance.

MAGNOLIA METAL COMPANY

LONDON OFFICE—49 Queen Victoria St.
CHICAGO OFFICE—Fisher Building, 281 Dearborn Street.
CANADIAN OFFICE—524 Board of Trade Building, Montreal.

Owners and Sole Manufacturers,
266 and 267 West St., New York



CANADA

BRITONS THROUGHOUT THE WORLD

show their loyalty to the Mother Country by using **"QUEEN'S HEAD."** Let Canadians not be behind their brothers.

JOHN LYSAGHT, Limited,
The Largest Makers in the World,
BRISTOL, ENG., and MONTREAL.

12 Years Prove It.

Time is the true test of Quality—twelve years of constant use without an unsatisfactory report on the Safford Patent Radiators! Not one complaint from leakage, bursting or wearing out—if proof is wanting of perfection in

Steam or Hot-Water Heating,

here it is. "12 years prove it."

No bolts, rods or packing—screw-nipple connections at every joint. Handsome as a radiator *can* be. Fits curves, circles, angles. Made by the largest radiator manufacturers under the British Flag. Illustrated catalogue free.

The Safford Radiators.

The Dominion Radiator Company, Limited,
TORONTO, ONTARIO.

—AGENCIES AT—

Montreal, Quebec, St. John, N. B.,
Winnipeg, Vancouver, London,
Glasgow, Edinburgh, Belfast,
Antwerp, Berlin, Christiana,
Auckland, N.Z. Johannesburg, S.A.R.

RICE LEWIS & SON

(LIMITED)

ARTHUR B. LEE, President. *A. BURDETT LEE, V. P. and Treas.*

FELT WEATHER STRIP

HARDWARE AND METAL

Cor. King and Victoria Streets ...TORONTO

SAVAGE REPEATING RIFLE

.303 CAL.



Hammerless
Smokeless
Six-Shooter

New 1899 Model

AGENTS:
Winnipeg, J. H. ASHDOWN
Toronto, RICE LEWIS & SON
Quebec, CAVERHILL, LEARMONT & CO.

LATEST and FINEST Rifle manufactured.

Write for complete Catalogue W.

SAVAGE ARMS CO., Utica, N.Y., U.S.A.

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74 YEARS. *ESTABLISHED 1825.* *74 YEARS.*

CELEBRATED

HEINISCH SHEARS



ACKNOWLEDGED THE BEST.

Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.

R. HEINISCH'S SONS CO.

NEW YORK OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.

EXTENDED INSURANCE.

One of the many liberal features embodied in the **UNCONDITIONAL ACCUMULATIVE POLICY** issued by the

Confederation Life Association.

HEAD OFFICE--TORONTO.

is the provision for Extended Insurance. After two full annual premiums have been paid, the insured is entitled to Extended Insurance for the full amount of the policy for a term of years definitely stated therein. Paid-up and Cash Values also guaranteed.

Rates and full information sent on application to the Head Office, Toronto, or to any of the association's agents.

W. C. Macdonald, Actuary.

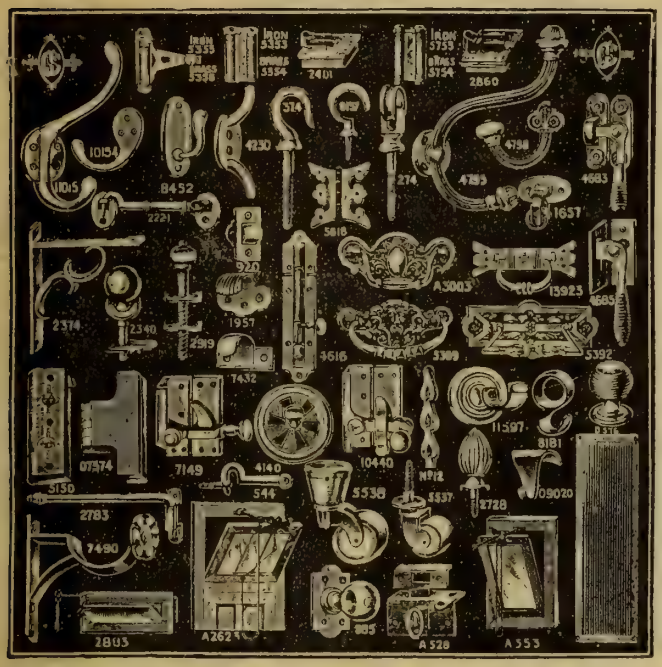
J. K. MACDONALD, Managing Director

James Cartland & Son

Manufacturers of every description of **Limited**

CABINET, BUILDERS', FURNISHING AND NAVAL BRASSFOUNDRY

BIRMINGHAM, ENGLAND.



London Showrooms: 57 Holborn Viaduct, E.C.

Thresher Belts

CANADIAN RUBBER CO. EXTRA BRAND MONTREAL & TORONTO

with these brands are a guarantee in themselves of excellence . . .

Manufactured by

The Canadian Rubber Co.

Of Montreal

Factories and Head Office,

Capital, $1,500,000.00 **MONTREAL**

CANADIAN RUBBER CO. EXTRA HEAVY BRAND MONTREAL & TORONTO

Ontario Branch, Toronto

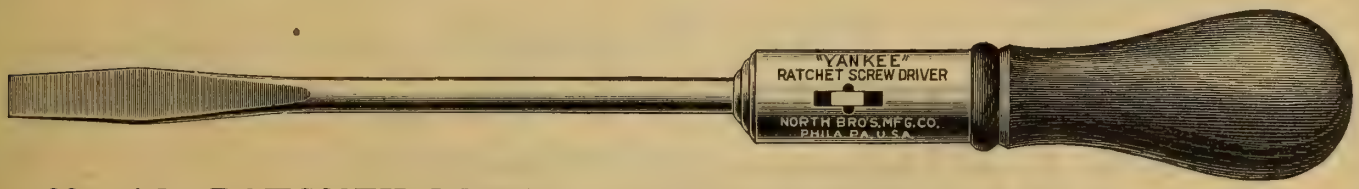
Western Branch, Winnipeg

Write for . . .

Samples, Lists, and Discounts.

"YANKEE" TOOLS

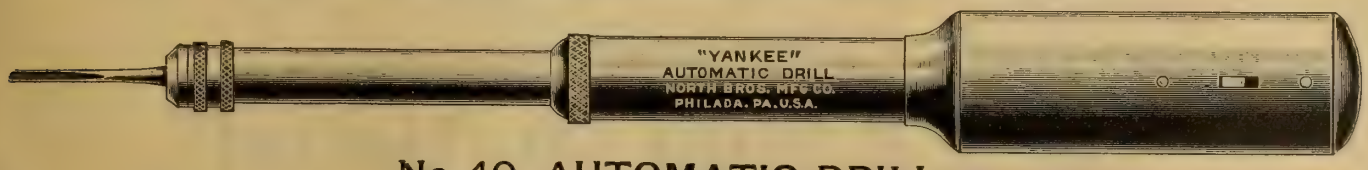
are sold by Leading Jobbers throughout the Dominion.



No. 10 RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.



No. 30 SPIRAL-RATCHET SCREW DRIVER.



No 40 AUTOMATIC DRILL.

FREE A handsome lithographed and embossed Sign in colors, on tin, to dealers handling these tools. Separate sign for each tool. Write at once which sign is wanted and it will be mailed post paid.

SEND FOR "YANKEE" TOOL BOOK.

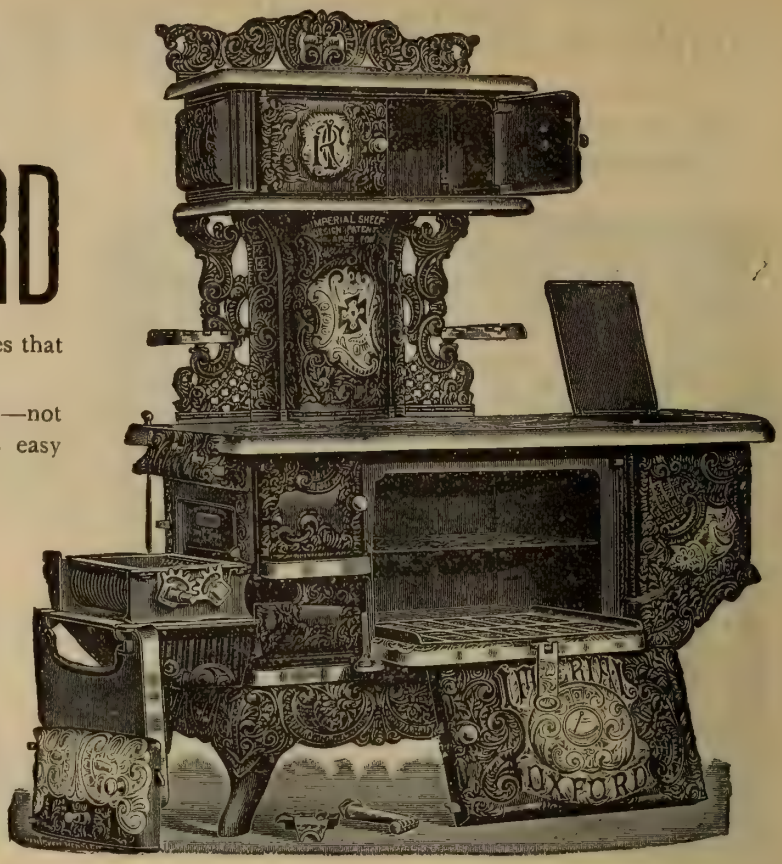
North Bros. Mfg. Co.

Philadelphia, Pa., U.S.A.

THE PATENT FRONT DRAW-OUT GRATE

OF THE NEW

IMPERIAL OXFORD



is one of the special features that give it precedence over all other Ranges.

This arrangement is of special advantage, as nothing—not even the warping of the frame—can interfere with its easy working. The

DIFFUSIVE FLUE CONSTRUCTION
DRAW-OUT OVEN RACK and
OVEN THERMOMETER

are other improvements that have made the Imperial Oxford popular—the success of the season.

If you're not handling them, write for price list—they're wonderful sellers.

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The long fibre we make them of is responsible for this.

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Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

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"MAXWELL FAVORITE CHURN"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive.

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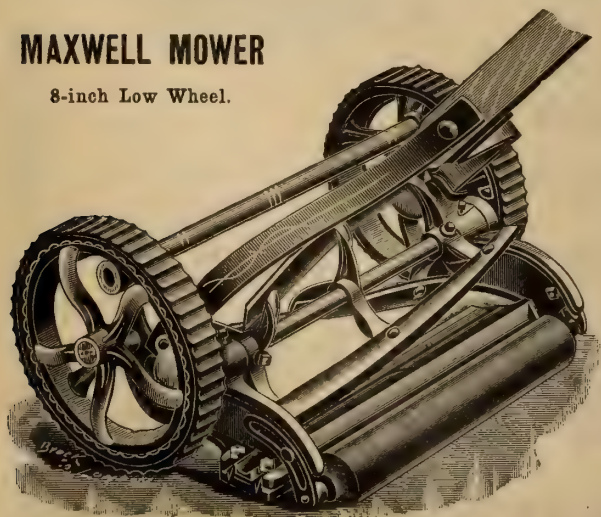
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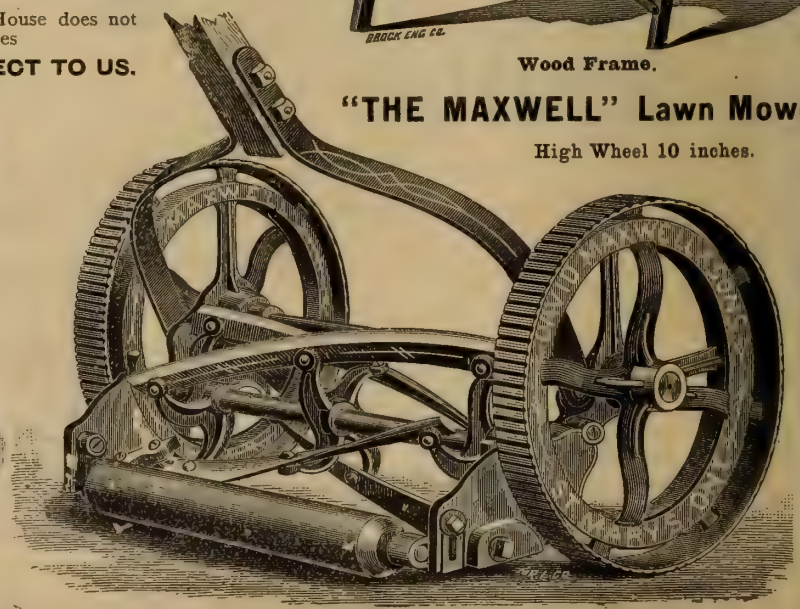
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High Wheel 10 inches.



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THE MOST ATTRACTIVE AND BEST GRADED MEDIUM-PRICED BASE BURNER UPON THE MARKET.

ITS HEATING CAPACITY AND ECONOMY OF FUEL ARE UNEQUALLED.



THE FIRE POT CAN BE EASILY REMOVED THROUGH THE SIDE DOORS.

THE MOUNTING, FINISH AND OPERATION OF THIS STOVE ARE GUARANTEED TO BE FIRST-CLASS IN EVERY PARTICULAR.

It has The Improved Ransom Duplex Grate

All Body Nickel Work is Self Mounting

WITH AND WITHOUT OVEN.

EVERY STOVE A DOUBLE HEATER. EVERY OVEN OF SHEET STEEL.

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THE FALL TRADE

To secure thoroughly reliable goods send your orders for

Ready-Mixed House and Floor Paints, Varnishes, Japans, Coach Colors, White Lead, Colored Paints, Enamels, Wood Stains, Wall Tints, Putty, etc.

To Henderson & Potts,

NOVA SCOTIA PAINT AND VARNISH WORKS,

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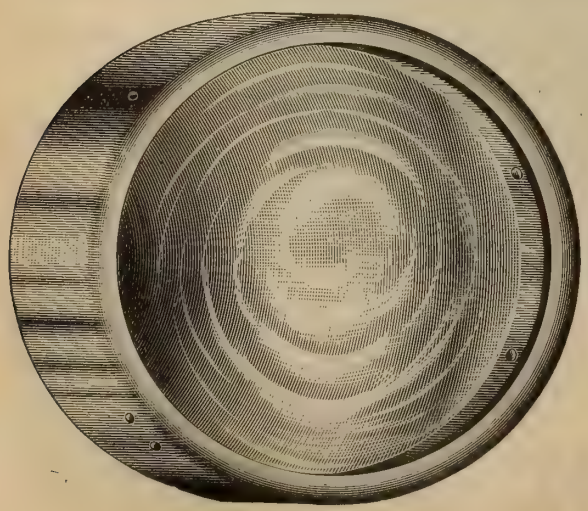
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Kemp's Broad Hoop, Roll-Rim Milk Can Bottoms

Introduced to the Trade in

1898

and generally pronounced to be the best ever offered.



The Broad Hoop, Roll-Rim Milk Can Trimmings

have been improved for season of

1899

and will be found to be the strongest, and therefore the most serviceable.

Kemp Manufacturing Co.

TORONTO.

HARDWARE AND METAL

Vol. XI. MONTREAL AND TORONTO, OCTOBER 21, 1899. No. 42

President, JOHN BAYNE MacLEAN, Montreal. Treasurer, HUGH C. MacLEAN Toronto.

THE MacLEAN PUBLISHING CO.

Limited.

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

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WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

INGOT TIN LOWER.

THE market for ingot tin, which two weeks ago advanced almost £3 the ton in London, has since reacted, and now stands almost £5 a ton below where it stood two weeks ago.

The most recent quotations given were £145 6s. 3d. London, £146 5s. cf. Singapore, and $32.10 New York, the latter being a decline of 95c. per 100 lb.

During September the London deliveries were 870 tons, as against 1,110 in August; the Holland deliveries, 977, as against 1,238, and the United States, 3,000 tons, as against 2,750 in August.

Therefore, while consumption in the United States increased over 1,000 tons the decrease in Great Britain and Holland makes an aggregate decline in consumption for the three markets during September of 251 tons, as compared with August. The spot stock in September was also greater than in August, but the stocks afloat were less, as the following figures show:

	Tons.	Tons.
Spot stock, London.....	4,179	4,596
" Holland	4,102	3,222
" United States	3,398	1,573
Total stock.....	11,679	9,391
Afloat stock, London	3,019	2,388
" Holland	722	1,317
" United States ...	2,575	3,925
Total afloat.....	6,316	7,630

Total visible supply:

September 30, 1899.....	17,995 tons.
August 31, 1899	17,021 "
September 30, 1898.....	24,067 "

SHOP MOTTOES.

A good thing to have around a store is a variety of small, neatly printed or painted mottoes, placed in more or less conspicuous places.

A few that should be of value in a hardware store are suggested: "It is our profit to cater to your benefit"; "We covet confidence and challenge competition either in price or value"; "When purchased here, no goods are dear"; "We are here to remedy any mistakes we make"; "We want to satisfy you; we think we can"; "What we have we don't want to hold, we want to sell it"; "Our reputation for honesty was not made in a day"; "Never steal a knife: buy a steel knife"; "Goods well bought are half sold: that's why our goods sell so readily"; "We put quality before price, yet our prices are right"; "Don't buy unless you want to."

Mottoes like these are good when they are new, but if they are kept in the same place week after week, naturally they lose effect. They become like "salt that has lost its savor."

To get good results from the use of mottoes, new ones should be put up every week or so, and interchanged twice or oftener during the month.

WHY VALUES ARE HIGHER.

THE course of crude iron values at points of production on this continent during the past month makes it clear that it was absolutely necessary for prices on the more finished material to advance.

For instance, grey forge iron at Pittsburg is 75c. per ton higher than it was a month ago, while billets at one time stood $3 per ton above where they were a month ago, but have since declined $2 from the high point. They are now quoted $38.75 to $39 at Pittsburg, against $16.20 per ton at the same time last year.

This rise of over 140 per cent. in material that constitutes one of the leading raw materials for our rolling mills shows that the advances we have had lately were absolutely forced upon makers.

The statistics showing pig iron production also indicate how capacity has been increased without having the slightest effect on values.

On October 1, 1899, there were 266 furnaces in blast in the United States, with a capacity of 278,650 tons per week, as against 192 furnaces with a capacity of 215,635 tons on the same date last year. No. 1 foundry iron at Pittsburg now stands at $24.50 per ton, an advance of $1 on the month, while, compared with the same date last year, the rise has been over 130 per cent., No. 1 foundry selling this date last year at $10.60, a difference of $13.90 a ton.

THE STATE OF TRADE IN CANADA.

TRADE conditions in Canada continue to improve. And at no period in the history of the country have they been as satisfactory.

Agriculture, the most important of our industries, is in a decidedly prosperous condition. The fact that Manitoba has a wheat yield of between 50,000,000 and 60,000,000 bushels, and the bulk of it No. 1 hard, to say nothing of oats and barley and other cereals, is the keystone in the archway of promising conditions.

In Ontario, the wheat crop has not turned out as well as desired, but, taken all around, the grain harvest has been anything but poor.

Then, as to live stock, the demand exceeds the ability of the farmer to supply.

The dairying industry was never in such a thriving condition. Notwithstanding the multiplication of creameries throughout the Dominion, there is not enough good butter to supply both the home and foreign demand. So far this season, no less than 393,917 packages of butter have been shipped by the St. Lawrence route, compared with 189,644 packages the same period last year, an increase of about 108 per cent.

The exportation of cheese is also so far this season in excess of that of last year, the quantity shipped by the St. Lawrence route being 1,511,364 boxes, compared with 1,492,664 boxes last year.

But better still, perhaps, the price of both cheese and butter is several cents higher than for several years past.

The lumber industry was the slowest of the Canadian industries to recover from the comparatively recent depression which existed the world over. But it is now making up for it. From New Brunswick on the Atlantic to British Columbia on the the Pacific comes practically the same report, namely, a decided activity. When the Dingley tariff became law in the United States, the people trembled for the Canadian lumber industry, but to-day the demand from the United States for our lumber is extraordinary. Of the home market the same thing can be said. And stocks are rapidly going down while prices are rapidly going up.

Lumbering operations in the woods of Canada this winter will be conducted on an unusually extensive scale. One of the difficulties is to get men enough. This seems to be particularly true of the north shore of Lake Superior. Lumber operators in that part of the Dominion are at their wit's end in that respect, and some of them are paying the traveling expenses of men from as far east as Three Rivers, Que., in order to secure their services.

The gold, the silver, the coal, and other mining industries, are being worked as they were never worked before, and are producing as they never produced before.

The various manufacturing industries in the country are about as busy as they well could be, and not only are a great many of them unable to make prompt shipment, but they have sold away into next year. It is no exaggeration to say that never before in the history of this country were the various manufacturing industries so busily employed.

One of the best barometers of a country's commercial condition is the figures relating to the earnings of its railways. Turning to the earnings of the two great railway systems of Canada, we read there of continued increases over the previous year, notwithstanding that 1898 shows large gains over 1897.

The C.P.R. net earnings during the first six months of the present year were nearly $1,000,000 in excess of those of the same period of 1898. The net earnings of the Grand Trunk during the same period were also considerably in excess of those of last year. Since then the earnings of these two railways have continued to expand.

Another reliable trade barometer is the clearing house returns. These, for the nine months of the year, aggregated $1,121,940,789, against $1,014,245,062 for the same period last year, an increase of over 10 per cent. The monthly bank returns also contribute their share of evidence as to the commercial activity of the country.

The official returns show that the foreign, like the home trade of the country, is in a healthy condition. For the fiscal year ending June 30 last our aggregate foreign trade reached $306,104,708, the largest in the history of the country, and over 50 per cent. in excess of that of ten years ago. The returns for the first two months of the present fiscal year show a continuance of the favorable conditions in regard to the foreign trade of the country, there being an increase of over $5,600,000 compared with July and August of last year.

THE AUTOMOBILE INDUSTRY.

THE automobile industry promises to become ere long as active and extensive as the bicycle industry has been during the last four or five years.

In Great Britain it has for some time been what may be termed a staple industry, and in the United States it is developing in a manner which promises to make the industry a gigantic one.

Only a few days ago a list of new companies to make automobiles was published. The number was large—between 50 and 60—but what struck one the most forcibly was the extensive capitalization of these companies. Some of them had a capitalization of $25,000,000, while the aggregate capitalization of the new companies all told was over $430,000,000.

In Canada the automobile industry appears also to have passed beyond the initiatory stage. Factories are springing up here and there. Toronto, which became the head centre of the bicycle industry, promises to become the head centre of the automobile industry as well. Several large business firms have automobile delivery wagons, and ladies can occasionally be seen doing their shopping in automobiles.

FOLLOW THE MARKET.

Hardware merchants will be traveling on the road to affluence if they follow with their stocks the advancing markets.

It is not every year or even every five years that there are such opportunities as there are at present for the hardware merchants to reap good profits. And yet a great many of them, judging from the prices at which they are selling their goods, are evidently not taking such advantages as they might with reason be expected to take.

To take advantage of the market is not unreasonoble. If anything is unreasonable it is not to take advantage of it.

Some day, although it is likely to be a distant day, the market will go the other way. And then will be realized the unbusinesslike policy of not following it when prices were on the ascendency.

ENGAGED IN A GOOD CAUSE.

THE Canadian Pacific railway continue to do excellent work in advertising Canada as a resort for the sportsman and the tourist.

Some years ago a representative of this paper went to New York to see the Sportsman's Exhibition, which has always been a big success as far as attendance is concerned.

He observed that, while the leading resorts in the United States were strongly represented, Canada, with the greatest fishing and shooting grounds in the world, was unknown.

The importance of taking advantage of this splendid opportunity of bringing American money into Canada was referred to at the time in these columns.

The Canadian Pacific took the matter up energetically, and last year and this had fine displays at both New York and Boston. Just at the moment, according to the St. Louis papers, they are making thousands of people in that city and vicinity familiar with Canada. They have an immense picture of the great glacier in the Rockies, stuffed game animals in groups and singly, and numbers of large pictures showing that Canada has attractions hitherto unknown to the thousands of wealthy people of that city of many rich people.

Many of them have in the past gone to the Maine coast, but this advertisement cannot fail to draw a number to Canada.

Tourists, as has been frequently pointed out, leave large sums of money in a country. The State of Maine alone figures that it gets $50,000,000 a year from this source.

The great advantage is that it is practically all found money, because we are not required to expend capital to get this revenue. They use our established railways, hotels, etc., and employ our rural population at times when they would not be earning money otherwise. This money is distributed among many people, and nearly all of it finds its way into the hands of the merchants, chiefly grocers.

We need better hotel accommodation at nearly all our resorts. These visitors have money to spend, and they are quite willing to pay $3 to $10 a day for comfortable rooms with good food. This matter is of so great importance that the Provincial Governments and boards of trade should consider it.

THE PRODUCTION OF PIG IRON.

THE secretary of the British Iron Trade Association has been calculating as to the probable output of pig iron the world over during 1899.

His conclusions are that the total production will be 32,610,000 tons, and that of this quantity the United States will contribute 14,000,000 tons, more than 38 per cent. of the whole.

Great Britain he places next with 9,500,000 tons, and Germany third with 8,250,000. He estimates that France will produce 2,700,000 tons and Belgium 1,200,000 tons.

In the report of his estimate we have before us no reference is made to Canada. Last year the production in Canada was nearly 69,000 tons, a small quantity indeed, when one considers either the production in such countries as the United States and Great Britain, or the possibilities of the Dominion itself; but 1899 will without any question see the largest production in the history of the country. There is one more furnace in operation than there was this time last year, while the furnaces generally are overtaxed with orders. Canada should produce more than 100,000 tons of pig iron this year; but it will not be until the big blast furnaces in Cape Breton go into operation that the production of pig iron in this country can be considered of respectable proportions.

UNWISE SALESMEN.

HE cannot be accounted a good salesman, who, when a customer asks to see a certain high-priced article in the store, replies in effect, "Yes, we have, but it is expensive."

Yet, there are such; and they are met with more than once in a year in every branch of trade.

The other day a manufacturer of a certain article, which he had not long since placed upon the market, was asked for a quotation on a round lot. The inquiry called for a quantity larger than the manufacturer in question had been accustomed to entertain. But before giving the quotation he began to talk about the amount of expense such a quantity would run the purchaser into.

If that man is ever to be successful he should attend to the manufacturing of his goods and leave the selling thereof to someone else better qualified for the purpose than he is.

Still another case in point: A young man entered a store and asked for a certain article. "Yes, we have it," said a clerk behind the counter, "but the price is pretty high."

Such methods as these are anything but businesslike.

As to whether the price of an article is high or not should be left for the customer to determine after the figure has been named.

Tell a customer that the article he desires to buy is dear, and, ten chances to one, he will believe it, and either purchase something lower-priced and less profitable, or go to some other store with a view to seeing what he can do.

The office of a salesman is to remove obstacles to purchasing, not to create them. When a man discredits the price instead of dilates upon the quality of the goods, it is obvious he was never designed by Nature for a salesman.

THE SYDNEY IRON WORKS.

A Sydney despatch says: "The concreting and brick work on The Dominion Iron and Steel Co.'s blast furnace No. 1 is finished. The iron work, which is already on the site, will be put on in a few days. Work on the other furnaces is being pushed, and will likely be finished about the first week in November. McManus, Low & McManus, contractors, finished connection with the power station and Whitney pier; a trial current was turned on and was satisfactory. They have also placed several arc lights on South Charlotte street."

NEW STORES STARTING.

R. L. Bond has opened as tinsmith, etc., in Almonte, Ont.

A new hardware store has been opened in Shelburne, Ont., by R. A. Jelly. Mr. Jelly was for some years a member of the hardware firm of Hillhouse & Jelly, of the same town.

MERCHANTS AND THE TRAVELERS

THE relations between men on the road and the men whom they visit in a search after orders are not always of the pleasantest character. In fact, this may be said of the intercourse between buyers and sellers in any class, for human nature is not always at its best and is sometimes inclined to betray its least favorable characteristics, but it seems to me at times that there is more friction between the travelers and their customers, actual or prospective, than is found elsewhere, and under circumstances, too, where there is really but little need for it. A good many instances of this friction have been recalled to me of late, and if neither side to the question objects I propose to sit in judgment on the question and make a few remarks about it. But I want to issue at the start an order that neither party shall get mad and abuse the court because he ventures to express some plain opinions.

I'll begin with the idea that both of you people, Mr. Merchant and Mr. Traveler, are good fellows and want to do the right thing. But, somehow or other, you don't jibe together, and Mr. Traveler doesn't get his order and Mr. Merchant hasn't bought some goods that he wanted. There is a fault somewhere. There's no doubt about it. It may belong to one of you and may belong to the other, but I believe it belongs to both of you. It can't be otherwise, boys, because a difference where one party only was to blame never happened in this vale of tears, and never can happen until we get to the millennium, and then it's not likely to happen at all, because we are then supposed to be perfect—which we aren't now by a long shot.

But let us suppose that the traveler has offended the merchant—although he hasn't meant it, of course—and the resulting coolness reminds one of these chilly October mornings before the good old stove has been set to work. Let me try to talk to you about it, Mr. Traveler, and ask a few questions. Did you ever hear of a man who got so stuck on himself that people took him for flypaper and kept away? Did you ever meet one of your fellows on the road who acted as if he carried the burdens of the commercial world on his shoulders and was the whole show in himself? Have you ever met a man who knew more than anybody else? Are you acquainted with people who remind you of Solomon in all his glory on a visit to his subjects? Of course, you will answer yes to all these questions. But did it ever occur to you that Mr. Merchant will answer yes, just as readily as you, and that he may indulge in a somewhat significant smile or a possible shrug of the shoulders when he sees that the questions are addressed to you.

Hold on, Mr. Merchant! Don't smile too broadly! I've got some questions for you, and I want an answer for every one of them. Do you know anybody who buys goods from travelers and who treats them as if he were doing them the greatest favor of their lives? Of course, you do. Then, do you know anyone else who is impolite to the point of rudeness, and treats the travelers in a way that shows he thinks they have no business in his store? Yes, you know lots of them. Are there any people of your acquaintance who fuss and fume, who growl and tear around and use cursory remarks and do all sorts of unpleasant things when they think they have a grievance? I thought you did. You know as many people of this kind, you say, as you have fingers and toes. But you haven't counted the thumbs, and you probably have, at least, one of these members. Just count that one, please, and see if it doesn't make a fit.

You will note that I've been real nice about what I've said, and that nothing unpleasant has crept into my talk. That's the way both of you people ought to feel and act about your business matters. It pays, and that's the best part of it. It is a good thing for the merchant to keep on easy terms with the travelers, and through them to establish and maintain relations of confidence and esteem with the wholesale houses they represent. It is also a good thing for the traveler to treat the merchant with as much deference and courtesy as the circumstances will permit. The credit of his house and his own success in selling goods depends very largely on the way he personally gets along with his trade, and, while I don't believe in flattery or bending the knee—for both of these are evidences of hypocrisy—I do believe in being just as agreeable and pleasant at all times as is possible.

One of the best things I have seen recently on this subject is in a letter from the secretary of a traveling men's association, and from which I make the following extract: "No doubt, the patience of a merchant who is persistently pestered for orders by a file of commercial travelers may often be sorely tred, no matter how courteous they may be. But there are, however, debts and obligations besides those of money, and one of them is politeness. The salesman is entitled to kind and polite treatment if he conducts himself gentlemanly. There are still too many merchants who very manifestly feel their importance when in their counting-room, and reserve their best manners for other places." You will see that the writer is candid in his opinions as he expresses them, and that he finds excuses for both parties, just as I have done in my talk. And, as it is time for the court to close, I decide that you are both right and both wrong, and that, as a verdict is impossible, I shall not charge any costs, but let everything go on the plea of goodfellowship.—The Hustler, in Stoves and Hardware Reporter.

ENAMELS THAT COEXPAND WITH METALS.

The great difficulty hitherto experienced with cast or wrought iron objects coated with enamel is the unequal expansion and contraction of the two substances, this causing a splintering of the enamel; but, according to The Journal of the British Society of Arts, M. Sagliot lately brought before the French Societe d'Encouragement pour l'Industrie Nationale the results of his experiments in this connection, that have enabled him to constitute a whole series of enamels having various degrees of expansion. It appears that enamels containing cryolite, fluorspar, and a little rutile, or native titanic acid, possess very high degrees of dilatation, and that cast or wrought iron, coated with calcareous enamels containing no lead, which are not at all injurious, may be formed by using boric acid.

TWO IMPROVED MARKDALE STORES

Two of Markdale's hardware merchants have recently been making some appreciative improvements in their stores.

J. E. Telford has fust completed a brick addition to his store, and has put in about 300 square feet of plate glass. A nice new private office, finished in the natural woods of the district, is not the least of the other improvements made.

Haskett & Bros. is the other firm which the expansion of trade has necessitated the enlargement and improvement of the business premises. They have been compelled to make the store nearly as large again as it was, and to put in two plate-glass windows.

WIRE NAILS
TACKS
WIRE

Prompt Shipments

The ONTARIO TACK CO,
Limited
HAMILTON, ONT.

STEAM SHOVEL WORK ON THE MESABI RANGE.

BY far the best and cheapest of the several mining methods in use in the Lake Superior region is that by open-cut with steam shovels. This has so far proved applicable only to five mines, which are all in the Mesabi district, viz., the Mountain Iron, Oliver, Ohio, Mahoning and Biwabik mines. The physical condition of the ore here resembles earth rather than rock. It lies on the slopes of the hills in immense masses with little soil above it. The steam shovels used have three separate pairs of cylinders and one boiler. They weigh 92 tons, and are carried on four axles. One machine has filled 232 25-ton ore cars, or a total of 5,825 tons, in nine hours, but this is a record performance. Five tons of ore can be lifted by the machine each stroke, and five full-weight lifts will fill a car. The authors watched a 25-ton car filled in two and one-half minutes by seven bucketfuls, which is at the rate of 600 tons per hour. The men, exclusive of the trainmen, are required to work the machine, which consumes about 4 cwt. of coal per hour. A certain amount of blasting is necessary at the "shovel" mines to loosen the soil and ore, and thus facilitate the work of the machine. Holes 1¼ inches in diameter are made by driving in pointed steel bars to a depth of 20 feet. These are opened out at the bottom by the explosion of small dynamite charges. Between 25 and 75 pounds of black powder are then poured in, tamped and exploded. A train of 10 or 12 25-ton cars is run alongside a steam shovel, and is worked forward by a locomotive as fast as the cars are filled. It is then drawn out, sorted, and made up into longer trains for transport to the docks. —Jeremiah Head and A. P. Head in Cassier's Magazine for October.

RUSHED WITH PIG IRON ORDERS.

The smelting works, with their steady grind, night and day, of an average of 25 tons of pig iron every four hours, 150 tons a day, cannot keep up with their orders, and they are to-day months behind in fulfilling same. Since Superintendent McNeal has taken entire charge, the quality of the iron has greatly improved, and is now a high-class grade, eagerly sought after throughout the Dominion.

Mr. McNeal says: "I wish we had our furnace enlarged to 250 tons per day. We would then have a chance of catching up a little on our back orders. I see no prospect at present of having the addition made, as we cannot afford to lose a day's run of iron."

The foundations for the new steel plant are pretty well completed. The delay is caused by the firebrick people and the bridge works with the iron work. Business is booming to such an extent that they cannot keep up with their orders, although forces have been greatly increased in every instance. The site selected for the steel works is just 100 yards east of the smelter.

Messrs. Doolittle and Wilcox, of the Ontario Rolling Mills, which have lately amalgamated with the smelting works, are having their architects prepare elaborate plans for steel rail works, to be erected on the smelting works grounds. The smelting works are doing business enough to keep two large furnaces melting night and day. Supt. MeNeal says a smelting furnace is a very sensitive concern and requires to be watched as carefully as a physician would a precarious patient. Yesterday being an ideal day for walking, hundreds of citizens visited the works and strolled through the grounds.—Herald, Hamilton, Oct. 16.

GLASS CUTTING DIAMONDS.

Diamonds for cutting glass were not introduced till the reign of Elizabeth, at which period stained glass was declining; and before that era every piece of glass which went to form a window had to be cast in little clay molds and afterwards chipped with an iron instrument called a "grozing iron," so as to properly fit into its assigned place.—China, Glass and Lamps.

TRUE BARGAIN HUNTERS

look first at quality, second at price. It's "how good" not "how cheap" with them.

The man who wants to get the most for his money isn't the man who tries to pay the least. Good paint costs more than poor paint by the gallon, but in good paint you get service, beauty and covering capacity way beyond the difference in price.

THE SHERWIN-WILLIAMS PAINT

is the best paint bargain on the market, and dealers who realize this and push S.-W.P. persistently are constantly increasing their trade.

Hammering away at the merits of S.-W.P. quality makes business and reputation. Write to us for our methods.

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BOSTON.
TORONTO.

HE WAS IN DOUBT.

An Australian lady cyclist who rides in rationals tells an amusing story at her own expense, says The Wheel, of England. A friend of hers, a well-known physician, employs a coachman, who, when about the house, assists the servants by attending the door. One day the doctor, on his return from his mid-day round, was informed that someone had called during his absence to see him, and when he went to the stables he said to his man: "They tell me, Patrick, that someone had called for me. Was it a lady or gentleman?" "Begorra, sir, you've got me!" was the reply. "The devil a one of me knows which it was! It talked a kind of tender like, and looked a sort of mild and quiet, but it wore as neat a pair of knee pants as ever a man could wish for."

Archibald Blue, Superintendent of the Provincial Mining Bureau, who has just returned from the Rainy River and Michipicoten mining districts, says that there is no doubt that there are extensive deposits of iron ore in the whole Rainy River district, but, as yet, very little careful prospecting has been done, and practically no development. The quality of the ore, he thinks, is good. The iron-bearing range has been traced for many miles northwest from Michipicoten,

INCREASED IRON PRODUCTION.

THE Iron Age, reviewing the pig iron production for last month, says: "Quite a considerable number of blast furnaces blew in during September, increasing the output; while, generally speaking, those in active operation did better work. The result is an increase in capacity close to 11,000 tons per week over the corresponding date last month, and another breaking of the record as to output.

"The weekly capacity of the furnaces in blast on October 1 compares as follows with that of preceding periods:

	Furnaces in Blast.	Capacity Per Week. Gross Tons.
October 1, 1899	265	278,650
September 1	257	267 335
August 1	244	267,672
July 1	237	263,363
June 1	220	254,062
May 1	217	250,095
April 1	205	245,746
March 1,	192	228,195
February 1	195	237,639
January 1	200	243,516
December 1, 1898	195	235,528
November 1	196	228,935
October 1	192	215,635
September 1	186	213,143
August 1	187	206,777
July 1	185	216,311
June 1	190	225,398
May 1	194	234,163
April 1,	194	233,339
March 1	193	234,430
February 1,	184	228,338
January 1	188	226,608
December 1, 1897	191	226,024
November 1	183	213,159
October 1	171	200,128
September 1	161	185,506
August 1	152	165,378
July 1	145	164,064
June 1	146	168,380

"The position of furnace stocks, sold and unsold, as reported to us, was as follows on September 1, the same furnaces being represented as in former months. This does not include the holdings of the steel works producing their own iron:

Stocks—	May 1.	Aug. 1.	Sep. 1.	Oct. 1
Anthracite & coke	205,125	107,270	107,321	93,250
Charcoal	79,002	42,998	30,500	27,291
Totals	284,127	150,268	137,821	120,541

WARRANT STOCKS.

"We are indebted to the American Pig Iron Storage Warrant Company for the following statement of stocks of warrant iron:

Stocks—	May 1.	Aug. 1.	Sep. 1.	Oct. 1.
Coke & anthracite	60,700	26,800	20,200	14,800
Charcoal	25,800	15,700	12,400	7,700
Totals	86,500	42,500	32,600	22,500

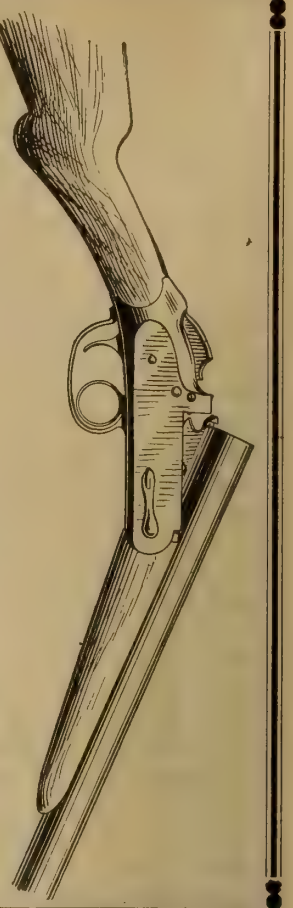
SCARCITY OF TAR PAPER.

Lockerby & McComb, Montreal, report business in tarred felt and sheathing paper good. Speaking about prices, they said: "Tar as well as dry paper is a very scarce commodity at the present time, and appearances are that it will continue so for a considerable time yet, and there is a general expectation among manufacturers that there will be a material advance in the course of a few weeks." Lockerby & McComb are now making preparations for the fall trade in woodenware, and will have a full line of samples ready in a few days.

Want a Gun?

— BUY AN —

IVER JOHNSON



The IVER JOHNSON

Ejector Single Gun.
New Principle.
No Top or Side Action.

Dealers who want good reliable single guns, to be sold at moderate prices, will find the new models of the Iver Johnson, Ejector and Top Snap, just the kind for their Fall business.

WRITE FOR PRICES.

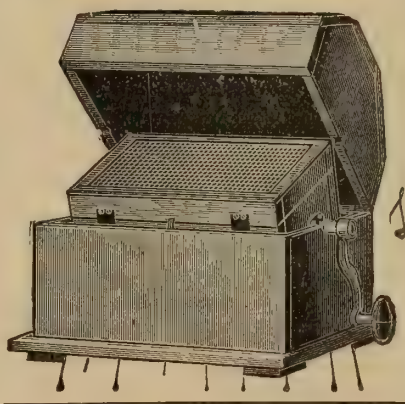
Iver Johnson's Arms & Cycle Works

FITCHBURG, MASS.

IVER JOHNSON
Guns, Revolvers, and Bicycles
are Honest Goods at Honest Prices.

BRANCHES—
NEW YORK—99 Chambers St.
BOSTON—408 Washington St.
WORCESTER—304 Main St.

SEASONABLE GOODS:—



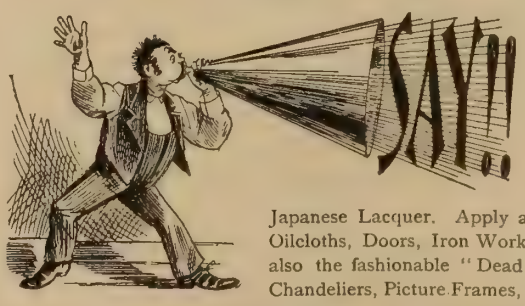
Champion Cinder Sifters
Champion Furnace Brushes
— also —
Champion Radiator Brushes

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MEAKINS, SONS & CO.,

BRUSH MANUFACTURERS,

313 St. Paul St., MONTREAL.
King St. East, HAMILTON, Ont.



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JAP-A-LAC

A STAIN AND VARNISH COMBINED

Produces a brilliant, elastic and beautiful finish, dries with the elasticity and hardness of Japanese Lacquer. Apply a coat over old Woodwork, Furniture, Floors, Oilcloths, Doors, Iron Work, Carriages, Bicycles, etc. Made in all colors, also the fashionable "Dead Black" Wrought Iron Finish for tarnished Chandeliers, Picture Frames, Lamps, etc. Try it once and you will always use it.

Why don't you sell **TURP**ine Spirits when Turpentine is so high? An excellent substitute for, and, in many respects, better than Turpentine. Price to trade, 48c. per gallon.

Canadian Depot, **A. WATT & CO.,**

Tel. Main, 2568. 43 St. Sacrament St., MONTREAL.

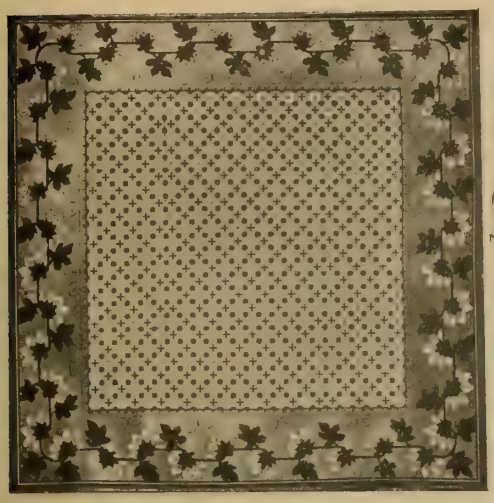
H. S. HOWLAND, SONS & CO.

WHOLESALE ONLY

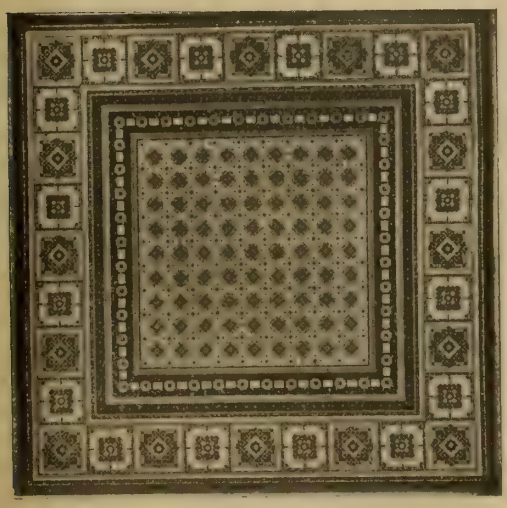
37-39 Front Street West, **Toronto.**

ONLY WHOLESALE

OIL CLOTH MATS.



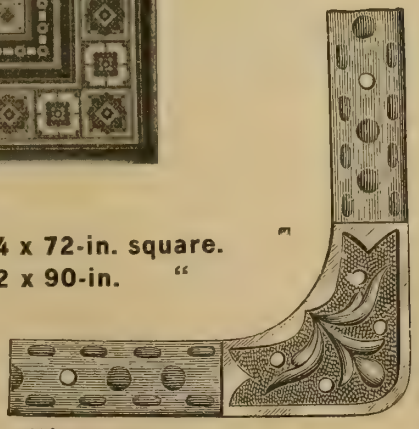
No. 807.



No. 806.

45 x 45-in. 54 x 54-in. 54 x 72-in. square.
72 x 72-in. 72 x 90-in. "

OIL CLOTH BINDING.

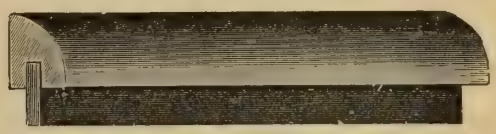


Zinc, 6 and 8 yards, with corners.
Brass, 5, 6 and 8 yards, with corners.

WEATHER STRIPS.

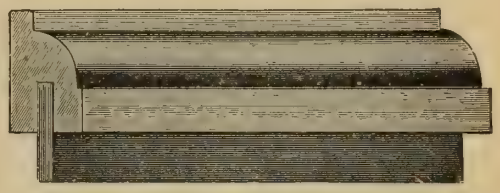
Exclude all Cold, Wind, Dust, and Rain.

No. 60.



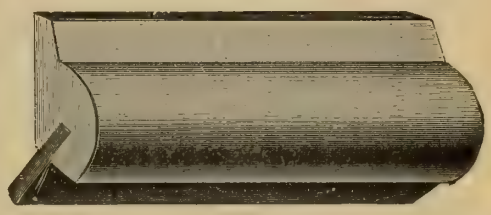
For Sides and Tops of Windows.

No. 61.



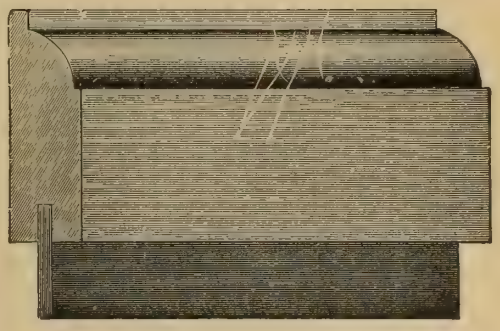
For Sides of Windows and Doors.

No. 62.



For Centre of Windows.

No. 64.



For Bottom of Doors.

H. S. HOWLAND, SONS & CO., TORONTO

ORDERS SOLICITED.

OUR PRICES ARE RIGHT.

Graham Wire and Cut Nails are the Best.

PREMIER STEEL AGATE WARE. PLEASES PARTICULAR PEOPLE.

The quality of our brands is unquestioned.

They are the best that can be made by brains, selected material, and machinery.

Every ingredient is thoroughly tested before being used.

They are made in large variety of lines and meet the requirements of all classes.

They are profitable both for you and your customers.

CRESCENT STEEL AGATE WARE. CATCHES CAREFUL COOKS.

Our lines of *WHITE, BLUE and WHITE,* and Decorated ware are very complete.
A sample order will convince you as to their merits. Write us for prices.

The Thos. Davidson Mfg. Co., Limited, Montreal, Que.

MANHOOD BETTER THAN MONEY.

THE following, from a United States exchange, is about as applicable in this country as it seems to be across the border :

"The desire to get everything as cheap as possible is a characteristic of many of our countrymen. It is certainly wrong to be extravagant, and it is necessary to use due diligence to avoid being cheated. But to spend valuable time higgling over a penny, and to become biased in favor of an article merely by the element of cheapness, is evidence of great weakness. Not the poor only, but many rich people, have fallen into this error. We hear an unreasonable demand for cheap teachers, cheap preachers, cheap newspapers and cheap books from many quarters.

"To use due diligence to procure needful supplies at a fair price is a duty, but to forget that beyond a certain limit cheapness is to be discarded is not wise. The inconsistent spectacle is often witnessed of men, who demand fair prices for their own wares, seeking to procure what they need from others at ruinously low figures. The man who is loud in his demand for fair wages is often seen passing by the honest tailor who sells clothing at a fair price, and purchasing of a cheap tradesman who has come into the community to undersell regular business men.

"There are three ways in which one may undersell those who carry on an honest business. He may sell so low that he cannot live, wind up his establishment, and leave his creditors to carry his losses. This is dishonest. He may also oppress the toilers in his factory by giving them starvation wages, in order that he may sell at unreasonably low prices. This is worse than dishonest. There is a third way. He may palm off an inferior article on his customers and persuade them that it is genuine. This is the most common method. Such enterprises ought not to be patronized by honest men. He is a public benefactor who conducts an honest business, and considers integrity more valuable than wealth, and he is wise who cheerfully pays the full value of every purchase, knowing that manhood is worth more than money."

"THE BIRTH OF ELECTRICITY."

IF there be one word of science which is writ larger on the life of the present time than any other word it is electricity: and upon the birth of this bright child of the nineteenth century, as he called it, the President of the British Association, at the Dover, England, meeting recently said :

"He who listened to the small group of philosophers of Dover, who in 1799 might have discoursed of natural knowledge, would perhaps have heard much of electric machines, of electric sparks, of the electric fluid, and even of positive and negative electricity ; for frictional electricity had long been known and even carefully studied. Probably one or more of the group, dwelling on the observations which Galvani, an Italian, had made known some 20 years before, developed views on the connection of electricity with the phenomena of living bodies. Possibly one of them was exciting the rest by telling how he had just heard a professor at Pavia, one Volta, had discovered that electricity could be produced, not only by rubbing together particular bodies, but by the simple contact of two metals, and had thereby explained Galvani's remarkable results. For, indeed, as we shall hear from Professor Fleming, it was in that very year, 1799, that electricity as we now know it took its birth. It was then that Volta brought to light the apparently simple truths out of which so much has sprung. The world, it is true, had to wait for yet some 20 years before both the practical and the theoretic worth of Volta's discovery became truly pregnant, under the fertilizing influence of another discovery. The loadstone and magnetic virtues had, like the electrifying power of rubbed amber, long been an old story. But, save for the compass, not much had come from it. And even Volta's discovery might have long remained relatively barren had it been left to himself. When, however, in 1819, Oersted made known his remarkable observations on the relations of electricity to magnetism, he made the contact needed for the flow of a new current of ideas. And it is perhaps not too much to say that those ideas, developing during the years of the rest of the century with an ever-accelerating swiftness, have wholly changed man's material relations to the circumstances of life, and at the same time carried him far in his knowledge of the nature of things."

WORRY NOT ABOUT SALARIES.

"What salaries are paid in different business callings is a question often asked by young men, and one which seems to enter into their deliberations as a qualifying factor as to whether they shall enter certain trades or professions," writes Edward Bok, in the September Ladies' Home Journal. "I never could quite see the point of this, nor the reason for it. What are the salaries which are paid to others, to you or to me? They signify nothing. If the highest salary paid to the foremost man in a certain profession is $10,000 a year, what does it prove or signify? There is no obstacle to someone else going into that same profession and earning $25,000. The first step in going into business is to find out not which special line is most profitable, but which line you are most interested in and are best fitted for. Then drive ahead, and the salary will take care of itself. When a young man thinks too much of his salary, it is pretty good proof that he is not of very superior make. Ability commands income. But you must start with ability, not with salary."

"They say marriage is a failure."

"There's a great difference."

"Why?"

"In marriage the wife takes the husband's name, and in a failure the husband takes the wife's name."

THE . . .

Watson, Foster Company

Limited

Manufacturers of
all grades of
WALL PAPERS

Montreal, Canada.



The Factory Producing the Most Modern and Artistic Paper Hangings on the Continent.

Have you made your selection of Wall Papers for season 1899-1900? If not, now is the time to inspect our more-than-ever popular line. Our representatives are now on the road, and will have much pleasure in calling on you and showing you our new samples. The frequent introduction of up-to-date novelties, nobby styles, artistic gems, and popular sellers all through the extensive collection will render the ordeal a pleasing one to you. It will require very little or no argument to convince you that our assortment embraces the kind of papers you should have to hold your best trade and increase the volume of your business.

OUR { **HEAVY 21-INCH PAPERS** in Flats, Plain Varnish Golds, and Embossed Varnish Golds
INGRAINS—Most Fashionable Shades, with twelve handsome, remarkably rich matched Friezes
EMBOSSED PULP EFFECTS—the newest specialty out

Will accomplish the above results for you.

Note.---Freight equalized with Toronto for towns West of Belleville and West and North of Toronto.

MARKETS AND MARKET NOTES.

QUEBEC MARKETS.

MONTREAL, October 20, 1899.

HARDWARE.

BUSINESS in hardware has been very active during the past week, and indications go to show that the movement is a healthy one, and not owing to a desire to anticipate further appreciation in values, though of course, this consideration, in view of the remarkable strength displayed throughout the past season, has an important influence in shaping buyers' views. No further changes of importance are noted this week. Barbed wire, smooth wire, etc., are stiff at the rise, and there has been a brisk demand both for cut and wire nails. Horse nails and horseshoes were also in better demand, while the activity in screws, bolts and nuts was well maintained.

BARBED WIRE — There has been no change in barbed wire, which we quote at $3.40 to $3.50.

SMOOTH STEEL WIRE—The market for this material remains as last reported. We quote $3.35 for Nos. 6 to 9.

GALVANIZED WIRE — Firm at the rise. We quote: Nos. 6 to 8, $3.80; No. 9, $3.25; No. 10, $3.85; No. 11, $3.95; No. 12, $3.40; No. 13, $3.55; No. 14, $4.25; No. 15, $5.25, and No. 16, $5.40.

FINE STEEL WIRE—As last reported, at 12½ per cent.

BRASS AND COPPER WIRE—Steady, with discounts 50 and 2½ per cent. on brass and 45 and 10 per cent. on copper.

FENCE STAPLES—Continue firm at $4.15 for galvanized and $3.55 for bright.

FINE STAPLES—These are as last noted: Coopers' staples, 50 per cent.; poultry netting, 45 per cent., and electrical, etc., 40 per cent. discount off list.

CUT NAILS—There has been no further change in these, but inquiry has been brisk at the recent advance. We quote $2.60 f. o. b. Montreal, etc.

WIRE NAILS—Inquiry has been active at the rise, and prices are steady at $3.35 f.o.b. Montreal. Miscellaneous nails, 72½ per cent. off list.

COPPER WIRE NAILS—Discounts are 50 per cent.

FLOUR BARREL NAILS, ETC.—Firm at the rise; flour barrel 20 per cent. and coopers' nails 25 per cent. off list.

BOAT NAILS—Discounts firmly held at 30 per cent.

GALVANIZED ROOFING NAILS—The base price is firm at 8c. with 10 per cent off list.

HORSE NAILS—There is a good movement in these and prices are firm with discounts 50 per cent. off on standard and 50 and 20 on Acadia.

HORSESHOES—With prices firmly held buyers are ordering more freely. We quote as follows: Iron shoes, light and medium pattern, No. 2 and larger $3.70; No. 1 and smaller, $3.95; snow shoes, No. 2 and larger, $3.95; No. 1 and smaller, $4.20; X L steel shoes, new light pattern, No. 2 and larger, $4.00; No. 1 and smaller, $4.25; feather-weight, all sizes, Nos. 0 to 4, $5.25; and toe weight steel shoes, all forward, all sizes $6.35 f.o.b. Montreal, St. John, N.B., and Halifax, N.S. Delivered f.o.b. in Toronto, Hamilton, London and Guelph 10c. per 100 lb. extra.

SCREWS — There is an active trade noted. Discounts now are: Flat head,



One Size, No. 30.
Circumference of Wick, 10 inches.
Capacity of Oil-Tank, ¾ gallon.
Height over all, 32 inches.
Li t Price, each, $9.10.

HEAT WITHOUT LABOR

ALUMINUM
COAL
OIL
HEATER

FOR COAL OIL ONLY.

Every part made of Sheet Metal.
No Castings to Crack.

Produces a Round Flame

Of great heating power, **without smoke or smell.**

The top cover can be removed for the boiling of water, etc.

The planished steel body, with aluminized trimmings and nickelled urn, make it an ornament, and in keeping with the best furnished room or office.

During the Fall Nights

They save lighting the furnace or grates.

Base Burners Need Not be Put Up

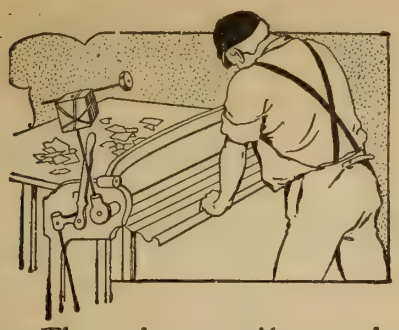
Till winter sets in, and can be taken down earlier in spring when an "Aluminum" is used, making a **saving on the coal bill.**

On Extremely Cold Nights

They will assist your furnace, and can safely be used in a cellar or kitchen to **prevent the water pipes from freezing.**

For the heating of a bed-room, parlor, dining-room, office, barber shop, etc., they cannot be excelled.

For Prompt Shipment Order from McClary's. THE McCLARY MFG. CO., LONDON, TORONTO, MONTREAL, WINNIPEG, VANCOUVER.



There is no uniform galvanized iron, except Apollo Best Bloom.

This is not an accident.

Apollo Iron and Steel Company, Pittsburgh.

Cements { PORTLAND, ROMAN, KEENE'S

Bricks . . { FIRE, BUILDING, PAVING

Sand . . . { SILICA FIRE, MOULDING, BUILDING

F. HYDE & CO.

31 Wellington street, MONTREAL

English Castor Oil

GUARANTEED PURE.

Pharmaceutical, Tasteless, Cold Drawn
First Pressure
Second Pressure

In cases of 2 tins and in barrels. Stocked by all Hardware, Oil and Color men.

The Hull Oil Manufacturing Co.
LIMITED

B. & S.H. THOMPSON & CO.
Agents for Canada - MONTREAL

CANADA IRON FURNACE CO., Limited

Manufacturers of

CHARCOAL PIG IRON

MONTREAL.

BRAND "C.I.F." THREE RIVERS

PLANTS AT

Radnor Forges, Que. — Three Rivers.
Lac a lac Tortue. — Grand Piles.

Geo. E. Drummond,
Managing-Director and Treasurer

bright, 80 per cent; round head do., 75; flat head, brass, 75; round head do., 67½.

BOLTS — There is a brisk business doing. Discounts are: Carriage bolts, 5-16 and smaller, 55 per cent.; ⅜ and up, 50 per cent.; full square bolts, 65 per cent.; machine bolts, 55 per cent.; coach screw bolts, 67½ per cent., and sleighshoe bolts, 72½ per cent.

NUTS AND WASHERS—Firmly held, with a good inquiry. We quote: Square, 3¾c. and hexagon 4¼c. per lb. Washers in 50-lb. boxes are 35 to 40 per cent. discount.

CORDAGE—Firm, but quiet. We quote as follows: Manila 7-16 and up, 15c.; ⅜, 15½c., and ¼ and 5-16, 16½c. Sisal, 12½c. for 7-16 and up; 13c. for ⅜, and 14c. for ¼ and 5-16.

BUILDING PAPER—There is a fair trade. We quote: Plain building, 28c.; tarred lining, 35c.; tarred roofing, $1.40, and carpet felt, $2.25.

RIVETS—In fair request, and firm. Discounts are: Black and tinned, 45 per cent.; ditto burrs, 40 per cent.; copper rivets and burrs, 35 per cent.

CEMENT—Steady. We quote: Belgian, $1.90 to $2.10; English, $2.30 to $2.40, and German, $2.45 to $2.65, per cask ex wharf.

FIREBRICKS—Active at $17 to $23 per 1,000, as to brand.

METALS.

The metal markets continue active and firm all round. In fact, makers of all sorts of material are so busy with orders that they find a difficulty in meeting demands made upon them for supplies.

PIG IRON—The market for pig iron keeps firm, and recent sales of Scotch pig have been on the basis of $26.50 to $27 for No. 1 Summerlee iron.

BAR IRON—There is an active demand for this material, and prices are firm at $2.35 in jobbing lots, with carlots $2.27½.

BLACK SHEETS—These also are active and firm. We quote: 8 and 15, $2.60; 18 and 20, $2.30; 22 and $24, $2.50; 26, $2.60, and 28, $2.65.

STEEL — Firmly held. We quote: Sleighshoe, $2.80; tire, $2.85: spring, $3.10; machinery, $3.60, and toe calk, $3.30.

GALVANIZED IRON—Inquiry is active for this material, and prices are held firmer under light stocks. Sales of No. 28 are reported at $4.65 to $4.90, and No. 26 at $4.40 to $4.65, according to quantity.

INGOT COPPER—In a jobbing way prices are held at 19½c. to 20c., but large lots have sold at 19c.

INGOT TIN—This metal is firm at 37 to 38c. in a jobbing way, but these figures would be shaded for large lots.

PIG LEAD—There is no change, the prices being firmly held at $4.25.

Sanderson's Tool Steel.

Self-hardening and other grades always in stock.

"THE MOST RELIABLE TOOL STEEL IN THE MARKET."

A. C. LESLIE & CO.

MONTREAL.

ADAM HOPE & CO.

30 JOHN STREET N.

Hamilton, Ont.

GALVANIZED SHEETS
"QUEEN'S HEAD"
"COMET"
"APOLLO B B"
"JUNIATA"

STEEL SHEETS
20 to 28 Gauge

TIN PLATES
CANADA PLATES
SHEET ZINC
RUSSIA IRON

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

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LEAD PIPE—In good request at the rise. We quote ordinary 7c., and composition waste 7½c. with 17½ per cent. off.

IRON PIPE—Prices on this material should be higher, but we still quote as follows: Black pipe, ⅛-inch, $3.41; ¼ and ⅜-inch, $3.30; ½-inch, $3.41; ¾-inch, $3.83; 1-inch, $5.51; 1¼-inch, $7.24; 1½-inch, $9.08 and 2-inch, $12.07 per 100 feet net. Galvanized, ¼-inch, $3.62; ⅜-inch, $4.18; ½-inch, $6.24; ¾-inch, $7.96; 1-inch, $11.24; 1¼-inch, $15.92; 1½-inch, $19.90; 2-inch, $25.97; 2½-inch, $33.93, and 3-inch, $46.76.

TINPLATES—There is an active demand for these and prices are firm, round lots of cokes changing hands at $4.40 and charcoal $4.75. Holders now ask $4.50 for round lots of the former and $5 for the latter.

CANADA PLATES — These are very firm, and round lots have been put through at $2.50 to $2.60. We quote as follows: 52's, $2.60; 60's, $2.70; 75's, $2.80; full polished, $3.25; galvanized Canada plates, $4.55 for 52's.

TERNE PLATES—These are firmly held at $8 for jobbing lots.

SWEDISH IRON—Firmly held at $3.50.

COIL CHAIN—Stiff. We quote: No. 6, 11c.; No. 5, 9½c.; No. 4, 8½c.; No. 3, 7½c.; ¼-inch, $6.25; 5-16, $5; ⅜, $4.50; 7-16, $4.35; ½, $4.25; 9-16, $4.20; ⅝, $4.10; ¾, $3.90; ⅞ and 1 inch, $3.80.

JACK CHAIN—Firm at the rise. Steel jack chain 35 per cent. and brass 40 per cent. off list.

SHEET ZINC—As last noted at 7½ to 7¾c.

ANTIMONY — Held unchanged at 11 to 12c.

SPELTER—Steady at $6.50.

GLASS.

There is a good movement in glass, but stocks are considered to be altogether too low. We quote: First break, $1.90; second, $2 for 50 feet; first break, 100 feet, $3.60; second, $3.80; third, $4.25; fourth, $4.50; fifth, $5; sixth, $5.50, and seventh, $6.

PAINTS AND OILS.

The market has been active since the advances noted last week; in fact, it is generally agreed that the turnover is away ahead of last year in almost every line. We quote:

WHITE LEAD—Best brands, Government standard, $6.37½; No. 1, $6; No. 2, $5.62½; No. 3, $5.25.

DRY WHITE LEAD—$5.25 in casks; kegs, $5.75.

RED LEAD—Firm; casks, $4.75; in kegs, $5.

WHITE ZINC PAINT—Pure, dry, 8c.; No. 1, 6½c.; in oil, pure, 9c.; No. 1, 7½c.

PUTTY —We quote: Bulk, $1.65; bladders, in bbls., $1.80; bladders, in cases, $1.95; in tins, $2.05 to $2.30.

LINSEED OIL — Raw, 59c.; boiled, 62c., five to nine-barrels, 1c. less, ten and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—Single barrels, 77c.; two to four barrels, 76c.; five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Firm; $1.10 to $1.30 per gallon.

CASTOR OIL—Firm; 7½ to 8c.

SEAL OIL—35c.

COD OIL—32½ to 35c.

NAVAL STORES—Fair demand for all lines, and prices show no change: Resins, $2.75 to $4.50, as to brand; coal tar, $3 to $3.50; cotton waste, 4½ to 5½c. for colored, and 6 to 7½c. for white; oakum, 5½ to 6½c., and cotton oakum, 9 to 11c.

PETROLEUM.

Prices are firmly held and demand active.

HIDES.

There is no change in these. We quote: Lambskins, 65c. Beef, 7½ to 9½c., as to grade.

COAL.

There is a good business doing. We quote: Stove, $5.75; chestnut, $5.75; egg, $5.50; Scotch grate, $6; Scotch steam, $4 to $4.50; Tower ports steam, $3.50 to $3.75.

ONTARIO MARKETS

TORONTO, October 20, 1899.

HARDWARE.

COMPARED with the previous one, the past week has been rather uninteresting as far as changes in prices are concerned. Last week the air was full of changes. This week there have been very few indeed; and none of great importance. Sandpaper of Canadian manufacture is 5 per cent. dearer, and in such lines of saddlery hardware as snaps, rings and horse bits, there has been an appreciation of 10 per cent. The extra for galvanizing tacks has been fixed at 5c. per 100 lb. net. The volume of business in shelf and heavy hardware continues active. The demand for wire nails is not as brisk as it was, but a good many are still going out. A little hay-baling wire is still wanted, but in other lines of wire there is little or nothing doing. Cutlery is in fair request. The demand for enamelled ware is not as brisk as it was, due, doubtless, to the fact that dealers had anticipated their wants to some extent before the recent advance took place.

BARBED WIRE—Remains quiet and unchanged at $3.50, f.o.b. Toronto.

OAKEY'S 'WELLINGTON' KNIFE POLISH
The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
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MONTREAL


COVERT MFG. CO.
West Troy, N.Y.
Steel Carriage and Wagon Jacks,
Harness Snaps. Chain, Rope and Web Goods, etc.
FOR SALE BY JOBBERS AT MFRS. PRICES.

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BALL BEARINGS

Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
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HAND AND POWER, easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel, and will not heat. 1899 catalogue ready.
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WORCESTER, MASS.


Pullman Sash Balance Co.
Makers of the
"Pullman" Hardware Specialties
Main Office and Works,
Rochester, N.Y., U.S.A.
On sale all round the globe.

Size, ⅜-inch.

Cheapest IN THE WORLD.
J. M. LITCHFIELD
458 Quincy St., Brooklyn, N.Y.

PERSONS addressing advertisers will kindly mention having seen their advertisement in Canadian Hardware and Metal Merchant.

SMOOTH STEEL WIRE — There is still a little business being done in hay-baling wire, but in oiled and annealed there is very little doing. The base price is unchanged at $3.35 per 100 lb.

GALVANIZED WIRE — Quiet and unchanged. We quote: Nos. 6, 7, 8 gauge, $3.60; No. 9, $3.10; No. 10, $3.70; No. 11, $3.75; No. 12, $3.20; No. 13, $3.45; No. 14, $4.10; No. 15, $4.70; No. 16, $4.85.

WIRE NAILS — Business is still fairly good, although the volume is not as large as it was. The base price is unchanged at $3.22½ in carlots and $3.30 in smaller quantities.

CUT NAILS—Trade is quiet and prices unchanged at last week's advance. We quote $2.60 base f.o.b. Toronto, Hamilton and London.

HORSE NAILS—Trade is fairly good in horse nails with prices as before. We quote: Standard, oval head, 50 per cent.; Acadia countersunk head, 50 and 20 per cent.

HORSESHOES — A good trade is being done in this line at unchanged prices. We quote f.o.b. Toronto, Hamilton, London and Guelph: No. 2 and larger, light, medium and heavy iron shoes, $3.80; snow shoes, $4.05; light steel shoes, $4.10; featherweight shoes, all sizes, $5.35. No. 1 and smaller, light, medium and heavy iron shoes, $4.05 per keg; iron snow shoes, $4.30; light steel shoes, $4.35; featherweight steel shoes, all sizes, $5.35.

SCREWS—An active trade is being maintained in screws at firm prices. We quote as follows: Flat head bright, 80 and 5 per cent. off the list; round head bright, 75 and 5 per cent.; flat head brass, 75 and 5 per cent.; round head brass, 67½ and 5 per cent.; flat head bronze, 67½ and 5 per cent.; round head bronze, 62½ and 5 per cent.

BOLTS—A decidedly brisk trade is still to be noted in stove bolts. We quote: Norway bolts, full square, 65 per cent.; common carriage bolts, 5-16 and under, 55 per cent.; ditto, ⅜ and larger, 50 per cent.; ditto, full square, 65 per cent.; machine bolts, all sizes, 55 per cent.; coach screws, 67½ per cent.; sleighshoe bolts, 72½ per cent.; blank bolts, 55 per cent.; bolt ends, 62½ per cent.; nuts, square, 3¾c.; nuts, hexagon, 4¼c.; tapping nuts, 60 per cent.; tire bolts, 60 and 10 per cent.; stove bolts, 60 and 10 per cent.

ROPE—The market continues firm as to price, but there is very little business being done. We quote as follows: Sisal, 7-16 in. and larger, 12½c. per lb.; ⅜ in., 13c.; ¼ and 5-16 in., 13½c. Manila, 7-16 in. and larger, 15c. per lb.; ⅜ in., 15½c.; ¼ and 5-16 in., 16c.; New Zealand, 11c. per lb.; Deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c; lath yarn, 10c. Clotheslines, 48 feet, 90c.; 60 feet, $1.20; 72 feet, $1.50; 100 feet, $2.

RIVETS AND BURRS—Trade keeps fair, but without any new feature. We quote: Carriage section, wagon box, rivets, etc. (steel), 60 per cent. off the list; ditto (Norway iron), 60 per cent.; black M rivets (steel), 55 per cent.; ditto (Norway iron), 45 per cent.; iron burrs, 40 per cent.; copper rivets, 35 per cent.; bifurcated, with box, $1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

WRINGERS — A seasonable demand is still to be noted. We quote: "Leader," $60 per doz.; "Royal Canadian," $58; "Royal American," $48. Prices are all f.o.b. Toronto, Hamilton, Brockville, and Montreal. Discount, 45 per cent. Terms, four months, or 3 per cent. 30 days.

BUILDING PAPER—A fair trade is being done. We quote as follows: Plain building, 28c. per roll; tarred lining, 35c., according to quality; tarred roofing felt, $1.40 per 100 lb.; carpet felt, $2.75 per 100 lb.

ENAMELED WARE—The demand is not as brisk as it was, but this was to be expected in view of the fact that a good many dealers had purchased rather freely before the recent advance. The discounts are: "Princess" ware, "Turquoise" ware, blue and white ware, and white ware, 50 per cent.; "Diamond" ware, "Famous" ware, "Premier" ware, 50 and 10 per cent.; "Granite" or "Pearl" ware, "Imperial" ware, "Crescent" ware, 50, 10 and 10 per cent.

TINWARE—Trade is fairly good and prices are unchanged.

STOVES AND FURNACES—There is still a decidedly active demand for stoves and furnaces. Discounts: Stoves and ranges, 45 and 5 per cent.; furnaces, 40 and 5 per cent.; registers, 60 per cent.

HARVEST TOOLS—An odd order or so is being booked for spring delivery. Discount 50, 10 and 5 for quantities, and 50 and 10 for small quantities.

SPADES, SHOVELS, ETC.—A fair trade is being done in scoops. Discount on spades, shovels and scoops 40 and 5 per cent. We quote steel snow shovels at $3.10 per doz.

FALL SPECIALTIES—Trade is active in stove boards, elbows, coal hods, oil cans, etc.

SADDLERY HARDWARE — Snaps, rings, and horse bits have all been advanced 10 per cent.

SANDPAPER—Canadian-made sandpaper has been advanced 5 per cent. in price.

TACKS—The extra for galvanized has been fixed at 5c. per lb. net.

CEMENT—There is still a good demand, and prices are steady. We quote as follows in barrel lots: Canadian Portland, $2.65 to $2.90; English do., $3; Canadian hydraulic cements, $1 to $1.10; calcined plaster, $1.90; asbestos cement, $2.50 per bbl.

METALS.

The tin market is a little easier, but for pig iron the market is as strong as ever. In fact, metals generally are in a firm position.

PIG IRON—The price of the Hamilton iron has reached $24 per gross ton f.o.b. cars at the furnace, and, in view of the serious shortage in ores, there is no prospect of a reduction in price for some time.

BAR IRON—The market is still decidedly

Eastlake Shingles



GALVANIZED OR PAINTED

Give Lasting Protection

and are more economically, trustworthy than others.

Besides being strictly fire, lightning and rust proof—they can be laid faster than others. Their patent telescopic side lock (found in no other shingle) allowing them to be fitted with wonderful ease and rapidity.

Eastlakes are in popular demand—if you haven't any on hand, write us.

THE METALLIC ROOFING CO., Limited

1179 King St. W., TORONTO,

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Our Fall stock is now complete and we can supply at the best figures, **AXES, SAWS, LANTERNS, CORDAGE, CHAIN, WINDOW GLASS, PAINTS, OILS,** etc. Our importation of **CUTLERY, SKATES, ENGLISH GUNS, SHOT SHELLS, BLACK and SMOKELESS POWDER, SHOT, WADDING,** etc., now in.

Our Motto: Prompt Shipment, Right Prices.

active, with prices firm at $2.35 to $2.45 per 100 lb.

GALVANIZED IRON—This is still the most active of the metals, the demand being decidedly brisk. Some large lots have been moving during the past week. We quote 28 gauge at $5 for English and $4.90 for American.

COPPER — The market is quiet and devoid of any particularly new and interesting features. We quote: Ingot copper, 20 to 21c. per lb., and sheet, 23 to 23½c. per lb.

PIG TIN—The foreign markets are a little easier, but no change has been made here. The demand is just fair. The ruling local quotation is still 37c. per lb.

CANADA PLATES—This, with galvanized is the most active line in the metal list. Prices are as before. All-bright are quoted at $3.25; half-polished at $2.85, and all-dull at $2.75.

TINPLATES — There are no large lots moving and the demand is only moderate. The price of tinned sheets has been advanced ½c. per lb.

IRON PIPE—The demand continues brisk and prices firm. We quote: Black pipe, ¼ to ⅜ inch, $3.60; ½ inch, $3.70; ¾ inch, $4.70; 1 inch, $5.90; 1¼ inch, $7.85; 1½ inch, $9.97; 2 inch, $13; 2½ to 6 inch, discount off the list 50 per cent. Galvanized pipe is quoted as follows: ½ inch, $6.50; ¾ inch, $8; 1 inch, $11.50; 1¼ inch, $16; 1½ inch, $20; 2 inch, $28.50.

PIG LEAD—The demand is improving and quotations are marked higher. The idea as to price is now 4½ to 4¾c. per lb.

LEAD PIPE — Trade is only moderate. We quote: Ordinary pipe, 7c., and waste, 7½c. per lb.

RANGE BOILERS—A fair business still to be noted. We quote: Galvanized, 30 gals., $9; 35 gal., $10; 40 gal., $11. Copper, 30 gal., $22; 35 gal., $26; 40 gal., $30; discount off copper boilers, 10 per cent.

SHEET ZINC — The demand is fair at 8 to 8¼c. per lb.

SPELTER—The demand has improved materially during the past week. Prices are unchanged at 7½ to 7¾c. per lb.

SOLDER — Trade is still good and prices unchanged. We quote: 21 to 22c. for half-and-half; 20½ to 21½c. for refined, and 20 to 20½c. for wiping.

PAINTS AND OILS.

A heavy demand for linseed oil has been noted during the week. Prices are unchanged, though advances are noted on the British market. There is a big movement of prepared paints. Varnishes and sundries are selling well. Turpentine is comparatively quiet. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $6.50; No. 1, $6.12½; No. 2, $5.75; No. 3, $5.37½; No. 4, $5; dry white lead in casks, $5.75.

RED LEAD—Genuine, in casks of 560 lb., $5.00; ditto, in kegs of 100 lb., $5.25 to $5.50; No. 1, in casks of 560 lb., $4.75; ditto, kegs of 100 lb., $5.

LITHARGE AND ORANGE MINERAL—Litharge, 6 to 6½c.; orange mineral, 7½ to 8½c.

WHITE ZINC—Genuine, French V.M., in casks, $7 to $7.25; Lehigh, in casks, $6.

PARIS WHITE—90c.

WHITING — 55c. per 100 lb.; Gilders' whiting, 85c.

GUM SHELLAC—In cases, 20c.; in less than cases, 24c.

PLASTER PARIS — Ordinary, $1.75 per barrel; New Brunswick, $2 to $2.20 per barrel.

PUMICE STONE—Powdered, $2.50 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, $1.10 per gallon; No 1 quality, 90c. per gallon.

SEAL OIL—59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9c. per lb. and 10c. for single tins.

LINSEED OIL — Raw, 1 to 4 barrels, 59c.; boiled, 62c.; 5 to 9 barrels, raw, 58c.; boiled, 61c.; 10 to 15 barrels, raw, 55c.; boiled, 58c.; 16 to 30 barrels, raw, 54c.; boiled, 57c. The prices for from 10 to 30 are strictly f.o.b. point of shipment, while delivery to any point in Western Ontario is included in the price of 1 to 9 barrels and cars.

TURPENTINE—Single barrels, 77c.; two to four barrels, 76c., freight allowed; in less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

GLASS.

An unusually brisk demand for window glass is reported. Double diamond is in especially big demand. There is also a large movement of plate glass. Ornamentage is scarce, and a shortage is anticipated. Prices are firm throughout. We quote window glass as follows: Star, first break in 50-foot boxes, $2.15, and in 100-foot boxes, $4; double diamond under 25 united inches, $6, Toronto, Hamilton and London; terms 4 months or 3 per cent. 30 days.

OLD MATERIAL.

There is a good delivery, yet prices are kept stiff by the steady demand. Scrap rubber is ¼c. dearer. We quote as follows: Agricultural scrap, 55c. per cwt.; machinery cast, 60c. per cwt.; stove cast scrap, 45c.; No. 1 wrought scrap, 55c. per 100 lb.; new light scrap copper, 12½c. per lb.; bottoms, 11c.; heavy copper, 15c.; light scrap brass, 7½c.; heavy yellow scrap brass, 10c.; heavy red scrap brass, 11c.; scrap lead, 2½c.; zinc, 3c; scrap rubber, 4¾c.; good country mixed rags, 65 to 75c.; clean dry bones, 45 to 50c. per 100 lb.

HIDES, SKINS AND WOOL.

HIDES—Another advance of ¼ to ½c. is noted in the price of green hides. The demand is brisk at the advance. We quote: Cowhides, No. 1, 9c.; No. 2, 8c.; No. 3, 7c. Steer hides are worth ½c. more. Cured hides are worth 9¼c.

SKINS—Veal skins are 1c. per lb. dearer. Sheep and lambskins are 5c. dearer. We

quote: No. 1 veal, 8-lb. and up, 10c. per lb.; No. 2, 8c.; dekins, from 35 to 40c.; culls, 15 to 20c. Sheep and lambskins are selling at 75c.

WOOL—The feeling continues firm. The demand is good, but the movement moderate, as holders are looking for higher figures. Prices are unchanged. We quote: Clothing wool, 17c.; combing fleece, 15c.; unwashed, 9 to 10c.

SEEDS.

As the crop is well marketed, buyers short of their wants are keenly competing for supplies, and have forced prices up 50c. For finest qualities $7.50 per bush. is now offered. Bright, unhulled, flail-threshed timothy seed is in good demand, but, in the absence of any offerings, it is impossible to give quotations. Machine-threshed is steady at 75c. to $1 for prime to choice, and $1.25 for extra choice to fancy stock.

COAL.

Wholesale dealers are still behind their orders, though large deliveries are being constantly made. We quote anthracite for October delivery at Buffalo and bridges: Egg, stove, and nut, $4.75 per gross ton, or $4.24 per net ton; grate, $4.50 per gross ton or $4 01 per net ton.

PETROLEUM.

The movement continues to steadily increase, and prices are firm. We quote as follows: Pratt's Astral, 17¾ to 18c. in bulk ($1 extra for barrels); American water white, 17¾c. in barrels; Photogene, 17¼c.; Sarnia water white, 16¾c. in barrels; Sarnia prime white, 15½c. in barrels.

MARKET NOTES.

Scrap rubber is ¼c. dearer.

Pig lead is quoted ¼c. per lb. higher.

Tinned sheets are quoted ½c. per lb. higher.

Canadian sandpaper has been advanced 5 per cent.

Harness snaps, rings and horse bits are 10 per cent. dearer.

The extra for galvanizing tacks has been fixed at 5 per cent.

It was stated last week that the price of carload lots of linseed oil had been reduced. This was in error, as no reduction was made.

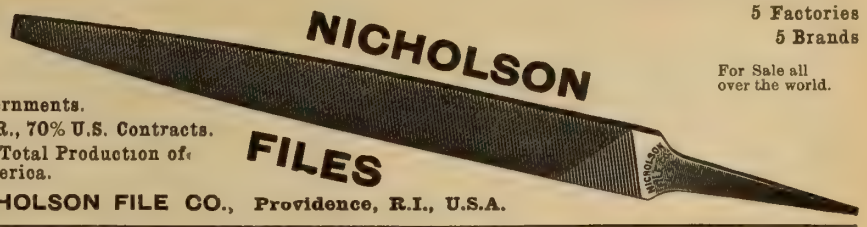
PERSONAL MENTION.

Mr. E. H. Wands, of Hamilton, was in Toronto on Wednesday.

Mr. M. McConnell, Cayuga, was in Toronto on business, on Tuesday last.

Mr. R. B. Van Horne, son of Sir Wm. Van Horne, has gone down to Sydney to take a position in the Dominion Iron and Steel Co.'s works there.

76,800 Daily Production
5 Factories
5 Brands



For Sale all over the world.

16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of America.

NICHOLSON FILE CO., Providence, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited. Established 1773.

Manufacturers of **Polished, Silvered, Bevelled, Chequered, and Rough Plate Glass.** Also of a durable, highly-polished material called **"MARBLETTE,"** suitable for Advertising Tablets, Signs, Facias, Direction Plates, Clock Faces, Mural Tablets, Tombstones, etc. This is supplied plain, embossed, or with incised gilt letters. **Benders, Embossers, Brilliant Cutters, etc., etc.** Estimates and Designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow 12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glass, St. Helens." Telephone No. 68 St Helens.

THE GAME AND FISHING LAWS.

ONTARIO has long been recognized as a Province possessing great attractions for the sportsman.

The enthusiasm with which devotees of the rod and gun seek the many varieties of fish and game which abound in our waters and woods is such that frequent changes in the game and fishing laws are necessary, that the succeeding generation may have the same opportunities for shooting and fishing that is the share of the present.

The frequency of these changes is so great that a layman cannot well follow them. Therefore, the digest of the whole law, Provincial and Dominion, affecting the birds, animals and fish of Ontario, which A. H. O'Brien, M.A., editor of The Canada Law Journal, has prepared in past years has found ready acceptance throughout the Province.

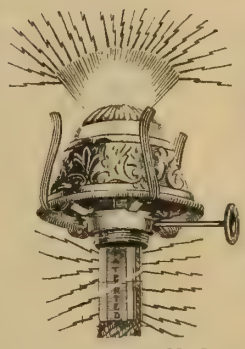
Mr. O'Brien has issued his fourth edition, corrected to September, 1899. It is better printed and bound than previous issues, and is just as concise and comprehensive as they were. This work is issued under the authority of the Ontario Fish and Game Department. The book is offered for sale in a neat pocket edition in paper covers for 25c., by A. H. O'Brien, 18 Toronto street, Toronto.

HAS OPENED A NEW SALESROOM.

J. M. Litchfield, manufacturers' agent, 458 Quincy street, Brooklyn, New York, has opened a very handsome salesroom at 105 Beekman street, corner Pearl street, New York, where he has on general display all kinds of oil, gasoline, coal and gas stoves and kindred hardware specialties. This new office will also be Mr. Litchfield's headquarters for his "Game" oil and filter faucets.

SITUATION WANTED.

WANTED—SITUATION BY YOUNG MAN AS travelling salesman in Eastern Townships, Ottawa Valley, or Montreal city. Good connection—12 years' hardware experience—best references. Apply "M. S." care of HARDWARE AND METAL. (42)



This light, we claim, produces a steady incandescent light double the value of ordinary, and consumes less oil (Canadian preferred). Requires snuffing only once in two months—does not smoke—chimneys need no wiping. Positively without smell. Why? Because our automatic battery produces an electric current from the chemicals of the oil which carbonizes the wick, thus the above results. Less explosive. Will fit any lamp. Sells at sight.

Manufactured by

Electric Petroleum Light Co.,

- - - Toronto.

Write for prices to **H. S. Howland, Sons & Co., Front St. West, Toronto.**

RIDEAU CANAL.

NOTICE TO SHIPBUILDERS.

SEALED TENDERS, addressed to the undersigned and endorsed "Tender for rebuilding Dredge Rideau," will be received at this Office until 16 o'clock on Wednesday, the 1st day of November, 1899, for the above mentioned work.

Plans and specifications can be seen at the office of the Superintending Engineer of the Rideau Canal, Department of Railways and Canals, on and after Monday, October 16th, 1899.

Each tender must be accompanied by an accepted bank cheque, made payable to the order of the Hon. Minister of Railways and Canals, for a sum equal to ten per cent. of the bulk sum tendered; which cheque will be forfeited if the person tendering declines to enter into contract for the work at the rates and on the terms stated in the offer submitted.

The accepted bank cheque thus sent in will be returned to the respective persons whose tenders are not accepted.

The Department does not bind itself to accept the lowest or any tender.

Contractors are specially notified that the condition requiring the work to be wholly completed by the 1st day of May, 1900, will be rigidly enforced, and all penalties for delay exacted.

By order,

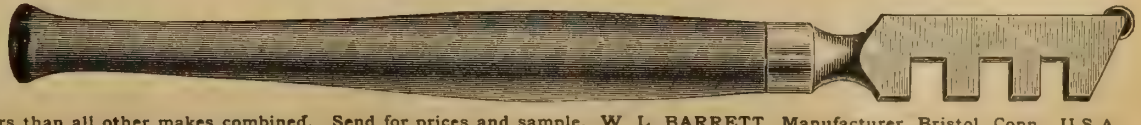
L. K. JONES,
Secretary.

Department of Railways and Canals,
Ottawa, October 2nd, 1899.

Newspapers inserting this advertisement without authority from the Department, will not be paid for it.

Barrett's Glass Cutters Standard

Barrett's Practical Glass Cutters are the standard the world over.



Sold by more Hardware Dealers than all other makes combined. Send for prices and sample. W. L. BARRETT, Manufacturer, Bristol, Conn., U.S.A.

TRADE IN OTHER COUNTRIES THAN OUR OWN.

SHIPMENTS of pig tin from Singapore and Penang from January 1 to October 15, as compiled by James W. Phyfe & Co., compare as follows:

	Tons		
	1899.	1898.	1897.
To United States.....	18,710	17,450	15,925
To Great Britain	11,650	7,190	10,245
To Continent.....	5,775	10,290	7,230

HEMATITE IRON FOR CANADA.

A continued demand is experienced in Glasgow for hematite iron and steel for export to the United States and to Canada; but it is difficult to learn how much actual business is gone through. Sellers say that inquiries are very numerous, but that when it becomes known that some business has been done producers raise their prices, and further dealing is checked. All the same, there is no doubt that good orders have been placed, and if the position in the United States is as strong as reported, it is more than probable that more work for that destination will be forthcoming. — Ironmonger, London.

NEW YORK METAL MARKET.

PIG TIN—Quotations were marked down a fraction in both the London and the New York markets. London sent in a record of sales of 700 tons, equally divided between spot and future deliveries, but there was only ordinary offering in the New York market, except by speculators, who seemingly have considerable "short" interest to cover. On 'Change almost any delivery was conveniently offered for a few minutes at 31.90c., but actual tin at less than 32c. was the exception, and delay in delivery of tin on contracts was a side feature of more or less interest. Likely it will be more interesting later on.

COPPER — Outside holders of Lake Superior ingot who are not in a position to resist "bearish" manipulation, are supposed to be sellers of Lake Superior ingot at 18¼c., or a fraction less, but the mining companies, as a rule, are standing out for 18½c. and making no unusual effort for orders. Meanwhile other varieties of the metal are seemingly quite firm in price, at 17¾c. for electrolytic bars, etc., and 17½c. for prime casting stock.

PIG LEAD—The Smelting Company has issued a circular quoting prices on the basis of 4.60c. for round lots for delivery over the balance of the year, and smaller quantities of the metal are firmly held at 4.62½ to 4.65c., on spot. The market, however is rather slow here at the present time.

SPELTER—Values are kept quite steady at 5.50 to 5.60c. for round lots, delivered here, prompt or near future shipment from the West, but moderate business only is taking place and the demand from Eastern consumers is slow.

ANTIMONY—Prices remain very steady at 9¾ to 11c., as to brand and quantity, with very fair jobbing business.

TINPLATE—A merely fair general distribution is taking place, and prices remain without change, in either manufacturing or jobbing circles.

IRON AND STEEL — The market for all varieties of pig iron remains strong, but prices are without quotable change, and consumers, while making quite good new purchases, are not largely anticipating future wants.

All old material is sparingly offered, and prices throughout remain strong at the highest point of the season; in fact, buying is difficult at our inside quotations.—New York Journal of Commerce, October 18.

SELLING STOVES.

HALF the autumn is gone. It has been considerably warmer than usual, yet, already, housekeepers are putting up their stoves for the winter. A greater propertion of them than usual will need new ones this year. Therefore, now is the opportune time to draw attention to a good stock of stoves and to the special characteristics of any particular stoves carried.

Of course, to get the best attention in a small town or city, it is essential to advertise in the local press. The advertisements should be fairly large. If possible, cuts of a couple of the best lines carried should be secured and used. But too much space should not be given to a few stoves. It would be well to give a list of the various lines of stoves carried, with prices and descriptions.

Window displays are useful in the larger cities as well as in the smaller places. A good, though very simple, display can be made of stoves. Last season an effective display was made in a Toronto hardware store window by placing a large coal stove in the centre of a window, with pipes in position. By the use of incandescent lights, covered with red globes, a striking resemblance to the real coal fire was produced. Besides the stove a number of small heaters were shown in this window. Where an electric light is not procurable a lamp can be used as a good substitute.

A strong display is now shown on Yonge street, Toronto. The floor and sides of the window are of polished hardwood. At the centre of the back of the window a large cooking range is shown on a raised platform. At either side of this are coal stoves; also on platforms. In the foreground a variety of oil, gas, and coal heaters are arranged, with the smallest in the centre, and the larger ones on the outside. This display attracts much attention.

In selling a stove it should always be remembered that wearing quality and economy in coal consumption are of the greatest importance, and that a stove is cheap in the proportion to its value as a coal saver.

MELTING STEEL OR WROUGHT IRON TURNINGS.

A writer in The Foundry, in reply to an inquiry says: "Your correspondent who asks how to melt steel or wrought iron turnings, will find the best plan is to put them into the crane ladle, in the proportion of from 12 to 20 per cent. of the capacity of the ladle and then tapping good hot iron upon them. By this method he will avoid bunging the cupola, and will lose none of his metal by evaporation, as he would be likely to do if he melted wrought iron turnings in the cupola. Where I learned my trade, steel turnings were always used in this way to cast hammers and blocks for the forge. These blocks as they wore out were melted in a reverbatory furnace and cast into pigs; the pigs being afterwards used with about 30 per cent. of Scotch pig to cast cylinders and other castings requiring the best quality of iron."

MEDICINE FOR A SCRATCHY PEN.

"All pens are alike to me," said the clever young woman, "and all pens would be alike to you if you only knew how to break them in. Don't moisten your new pen between your lips before you begin to write. Don't say charms over it or squander your substance in gold pens. Take your cheap steel pen, dip it into the ink, then hold it in the flame of a match for a few seconds, wipe it carefully, dip it into the ink and you have a pen that will make glad the heart within you. It is a process I have never known to fail."—Washington Post.

MARRIAGE INDUCEMENTS.

"Whatever induced you to marry me, anyway, if I am so distasteful to you?" he asked fiercely.

"I think it was the advertisements," she said.

"The what?"

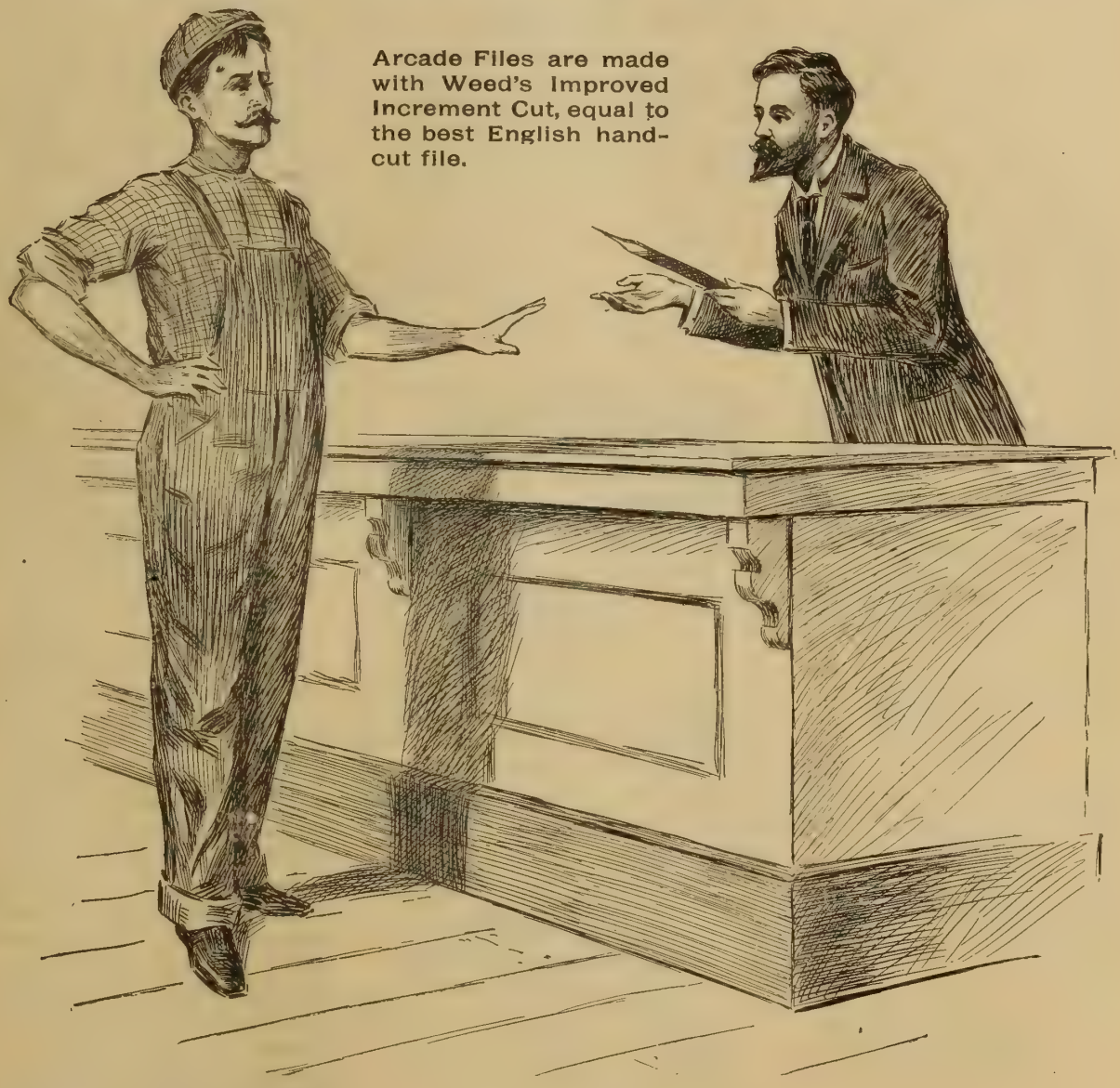
"The advertisements. The household bargains, you know. I thought it would be so lovely to go to the department stores and buy icepicks for 9c., real 8c. dippers for only 1c., and all that sort of thing. Of course I had no use for that sort of stuff when single."—Furniture Worker.

The WORLD'S GREATEST FILE WORKS

ESTABLISHED 1842.

There is no other file "just as good."

THE ARCADE IS THE BEST



Arcade Files are made with Weed's Improved Increment Cut, equal to the best English hand-cut file.

"I want an ARCADE file."
"We are all out of ARCADE files. Try this; it is just as good."
"No, Sir. I want the ARCADE. It cuts faster and wears longer than any other file made."

THE ARCADE FILE WORKS

NEW YORK:
97 Chambers St.
SAMUEL W. ALLERTON,
President.

Works: ANDERSON, IND.
COURTLANDT C. CLARKE,
Sec. and Treas.

CHICAGO:
118 Lake Street.
ALFRED WEED,
Vice-President and Gen'l Mgr.

HEATING AND PLUMBING

PLUMBERS' WIPING CLOTHS.

THE following appeared in a recent issue of The Hardware Trade Journal: A. F. S. (Bedford) asked: "Will you please say the best material to use and the proper sizes for plumbers' wiping cloths for making soldered joints on lead pipes?"

A pair of navvy's old fustian or moleskin trousers make the best cloths, but, failing these, new moleskin, bought of any workingman's tailor, can be used. The new material should be thoroughly washed to take out the dressing and make it soft; it should then be cut out and folded to the sizes given in the table below, and a little touch, or tallow, rubbed on the working side. With new material the nap is rather long, and the solder clings to it; but, by slightly scorching it with a hot iron, or gas flame, this does not take place quite so much. The fustian should be cut into strips, the width being equal to the length of the wiping cloth, and folded with the undergrain of the material in the direction of the pipe when using it. The edges should be free, and the top corners only tacked with sewing thread:

Diameter of pipe in inches.	Length of joint in inches.	Size of cloth in in.		No. of folds in thickness
		Underhand	Upright	
½	2½	3½ x 3½	3½ x 2½	5
¾	2¾	4 x 3½	3½ x 3	6
1				
1¼	3	4½ x 4	4½ x 3	7
1½				
2	3¼	4½ x 4½	4½ x 3	8
3	3½	5 x 4½	5 x 3	9
4	3½	6 x 4½	5 x 3½	10
5	3¾	7 x 5	5 x 3½	11
6	4	8 x 6	5½ x 3½	12

PLUMBING AND HEATING CONTRACTS.

The Bennett & Wright Co., Limited, Toronto, have secured contracts for heating offices in Collingwood, Ont., for Thomas Long, and a residence in Windsor, Ont., for Mrs. Towhey.

The contract for the plumbing and steam-heating of the new warehouse for Brown Bros., on Wellington street west, has been secured by Mashinter & Co. This firm have also the contracts for plumbing and hot-water heating in two stores at the corner of Broadview avenue and Queen street east for A. E. Walter; for plumbing and hot-water heating a residence in Rosedale for W. F. Blackwell, and a residence on Spadina avenue for S. Richardson.

The John Ritchie Plumbing and Heating Co., Limited, Toronto, have several large contracts on hand. Included in their list are the alterations to the plumbing and heating in The Christie, Brown Co.'s warehouse on Duke street; in the Union Bank building on Wellington street west; in The Toronto General Trusts Co.'s building on Colborne street, and in residences for A. A. Allan, Sherbourne street, and James Christie, Queen's Park, Toronto.

PLUMBING AND HEATING NOTES.

James A. McMahon, contractor, St. Catharines, Ont., is dead.

Wm. Fairley, of Fairley & Stewart, plumbers, Hamilton, is dead.

Leblanc & Martineau, contractors, etc., Delormier, Que., have dissolved.

The assets of F. Duclos, plumber, Montreal, were sold by auction on October 20.

Up to the present $20,000 has been subscribed towards the building of a summer hotel in Kingston, Ont.

Work on the erection of the new post office in Woodstock, Ont., which is to cost $50,000, has been commenced. A. J. Derivieres is the contractor.

A CLASS IN STEAM AND HOT-WATER HEATING.

An industrial school class in steam and hot-water fitting is to be opened in Montreal shortly in connection with the Council of Arts and Manufactures. Instruction will be given in the work of piping dwelling houses, public buildings and factories for hot-water, high, low and exhaust steam systems for heating. Pupils will be taught how to set and connect different kinds of radiators, and how to make the coils in common use.

Tools and material will be furnished them, and each pupil will be required to have a two foot rule and hammer. The class will meet once a week.

TORONTO BUILDING PERMITS.

Building permits have been issued in Toronto to A. E. Walton for two three-storey stores at the corner of Queen street east and Broadview avenue, to cost $5,000; to G. H. King, for a pair of two-storey and attic brick residences at the corner of Bathurst and Harbord streets, to cost $4,000; to Benjamin Brick, for a pair of two-storey residences on Broadview avenue near Paul street, to cost $2,000; to A. J. Nichols, for a three-storey brick dwelling on the north-east corner of College and Robert streets, to cost $2,000; to A. Frank Wickson, for a two-storey and attic dwelling on Macpherson avenue, near Yonge street, to cost $2,400; to The Toronto General Trusts Co., for alterations to a two-storey store at the corner of Charles and Yonge streets, to cost $1,000.

ELECTRIC BELLS.

Anyone who tries to utilize the ordinary electric bell action for ringing large bells soon realizes how inefficient the apparatus becomes with an increased size of electro-magnet. The energy in magnetizing and demagnetizing the cores of these electro-magnets in order that the armature may be electrically attracted and set free is so great that it is very easy to lose 1 h.p., and still not obtain any very great mechanical force. Also, the trouble which arises with the contact maker owing to sparking is so great as the apparatus is increased in size as to make large bells of this type practically useless. We notice in The Zeitschrift fur Elektrotechnik, of Vienna, an illustrated description of the large electric bells manufactured by C. & E. Fein, of Stuttgart. The early designs were exhibited in the Frankfort Exhibition of 1891, but they have been greatly improved since. In the last type, a small enclosed motor, taking about half an ampere at 110 volts, is used to drive a worm and wheel gear. A pinion on the axle of the wheel is then geared into a large spur wheel, on which there are four projecting bosses. As these revolve, they engage with a ratchet on a lever, at the end of which is a wire, to which the hammer of the bell is attached. The lever is fixed in such a position that the hammer of the bell almost touches the gong. It is then drawn away by the gear described above, and, on being released, the hammer strikes the gong, and gives a very loud signal. These bells are being used largely for railway signalling and for sounding alarms at level crossings. They are also employed at manufacturing works for time signaling purposes. As the motors are not run for any length of time, they require very little attention.—Electrical Engineer.

Being caught short of supplies is about as bad as being caught short of money, says an exchange. Both conditions are decidedly unpleasant, yet can often be avoided by ordinary foresight and carefulness. Stocking up against a rainy day is a maxim that applies to goods as well as to dollars, while it also has a fitting reference to timely preparations for selling goods and receiving additional dollars.

Toronto Foundry Co.

Manufacturers of **SOIL PIPE, FITTINGS, SINKS, BOILER STANDS.**

Nos. 146-148-150 Niagara Street, TORONTO

The only Exclusive Manufacturers of Soil Pipe and Soil Pipe Fittings in Canada. . . . . .

All goods stamped T. F. Co. are warranted

IN A SKATE FACTORY.

While the representative of HARDWARE AND METAL was in Dartmouth, N.S., he had the pleasure of being shown through the premises of The Starr Skate Manufacturing Co., Limited, by Mr. Goudge, the manager, and Mr. Bowbanks their representative.

One who has not been in a skate factory cannot conceive the amount of labor that has to be put upon each pair of skates before they are ready for the market. The amount of machinery that is required for the manufacture of skates is something enormous, especially in an up-to-date factory like that of The Starr Manufacturing Co., Limited.

Every skate is tested in regard to temper, and should it show the slightest flaw it is immediately thrown to one side.

The great care the company exercises in manufacturing these goods no doubt explains the present large volume of business it does.

The orders booked up to the present time are away ahead of any previous year in the firm's history. It has received large orders from the United States, Hamburg and England. This, with the large Canadian orders, necessitates the employes of the company working overtime.

NEW INVENTIONS.

Messrs. Marion & Marion, solicitors of patents, New York Life Building, Montreal, furnish the following list of Canadian patents recently granted to their clients :— No. 63991, Gotleb Von. Alma, Kilworthy, Ont., fruit picker ; No. 64009, Wellington Jackson, Baie Verte, N.B., washing machine ; No. 64010, A. E. Quintal, Montreal, P.Q., washing machine ; No. 64012, Mederic Perrault, St. Thomas de Joliette, P.Q., washing machine ; No. 64014, Andrew Robertson, Metcalfe, Ont., land roller and seed drill combined ; No. 64017, W. A. Clandening, Carman, Man., (two patents) nut lock ; No. 64020, Julius Emden, Hamburg, Germany, improvements in safety vans for railway trains ; No. 64062, Gaspard Daignault, fils, St. Chrysostome, P.Q., wash board ; No. 64065, J. Howie, St. Johns, P.Q., milk cooler and aerator ; No. 64084, Jos. Wylie, Tragarva, N.W.T., wood cutter ; No. 64085, Arthur Chalifour, Ste. Cunegonde, P.Q., folding clothes drier.

Wm. D. McKenzie is starting a stove and tinware store in Pictou, N.S.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY. MONTREAL.

SEND for specimen copy of Phillips' Monthly Machinery Register, containing over 5,000 entries of new and second-hand machinery of every description. The oldest established and most successful medium in the world. Established 25 years for the purpose of introducing those who have machinery for sale, to those who wish to buy, has a circulation of about 50,000 copies per annum, all over the world, and is used for continual reference by a large number of firms. It is consequently a most valuable advertising medium for all engineers and manufacturers. Subscription, 6s. per annum, price per copy, 6d. Sole Proprietor, CHAS. D. PHILLIPS, M.I M.E., Newport, Mon , England. Telegraphic address : "Machinery, Newport, Mon."

The Syracuse Smelting Works

ARE MANUFACTURERS OF

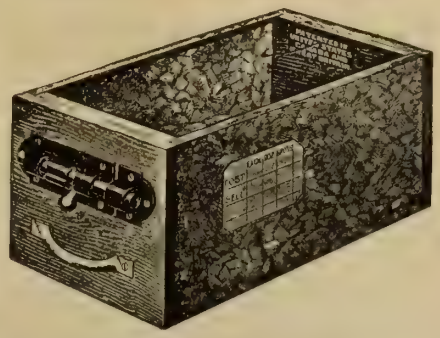
Plumbers' and Tinsmiths' Solder

of highest quality. Highest market prices paid for old Brass and Copper.

SYRACUSE SMELTING WORKS

MONTREAL.

SUCCESS in selling depends upon the value given. The firm making **Bennett's Shelf Box** for the U.S. market sold **17,349** between July 1, 1899 and September 30, 1899.



Known in the U.S. as Heller's Shelf Box. Send for particulars and prices to the patentee and manufacturer for Canada—

J. S. Bennett, 20 Sheridan Ave., Toronto.

N.B.—Will be made to fit your present shelving.

HARDWARE BUSINESS FOR SALE.

Established twenty years on Main St., Winnipeg, Mantoba. Satisfactory reasons for selling. First-class stand with all modern fittings — unexpired lease. Apply to CAMPBELL BROS., Winnipeg, Manitoba. (tf)

FOR SALE.

A NEW MARLIN RIFLE

Never been used. Just the Rifle for practice. Price $30. Will take $20.

19 Board of Trade, Montreal

One of the

LEADING WHOLESALE HARDWARE HOUSES

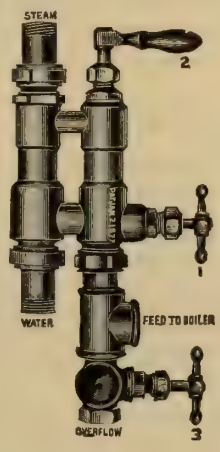
in Montreal to-day is

SEYBOLD, SON & CO.,

Established 30 years.

Carrying a complete assortment of HARDWARE, from a Needle to an Anchor.

THE . . .



HANCOCK INSPIRATOR

This old established machine is proving itself universally the best Boiler Feeder for all uses.

Over 2,000,000 Sold.

Is a double tube machine. Has stronger working power than single tube machines.

The genuine manufactured only by

THE

James Morrison Brass Mfg. Co., Limited,

TORONTO

HARRINGTON & RICHARDSON ARMS CO.

WORCESTER, MASS., U. S. A.

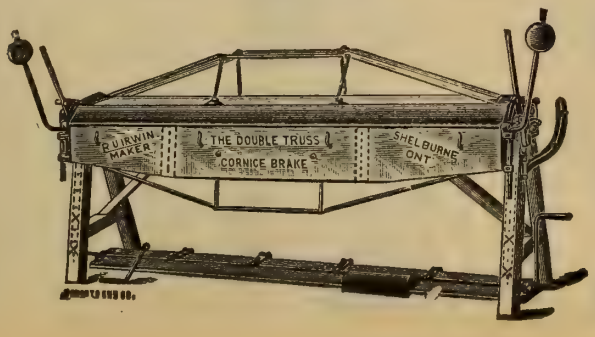


Makers of

High Grade REVOLVERS

SEND FOR COMPLETE CATALOGUE.

For sale by Sporting Goods and Hardware Stores almost everywhere.



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

Price, $50

Very handy beader attachment, $10 extra if required.

Send for circulars and testimonials to

The Double Truss Cornice Brake Co. SHELBURNE, ONT.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

EUGENE RAYMOND, general merchant, Beaupre, Que., has assigned, and a meeting to appoint a curator was held on October 18.

Sylvio De Moras, general merchant, Plessisville, Que., has assigned.

The Stacey Hardware and Manufacturing Co., St. Thomas, Ont., are offering 70c. on the dollar.

Gagnon & Caron have been appointed curators of Hebert, Fleury & Co., hardware dealers, Montreal.

W. V. Paradis has been appointed curator of T. B. Domville, general merchant, St. Stanislas, Que.

PARTNERSHIPS FORMED AND DISSOLVED.

Partnership has been registered by P. & A. Crepeau, carriagemakers, St. Cyrille de Wendover, Que.

Partnership has been registered by Migneron & Gohier, wood and coal dealers, St. Laurent, Que.

Blank & Royds, bicycle dealers, Victoria, B.C., have dissolved, and have been succeeded by The British Columbian Cyclery and Supply Co.

SALES MADE AND PENDING.

Robert McMillan, blacksmith, Caledonia, Ont., is advertising his business for sale.

The assets of Mrs. C. G. Levesque, general merchant, Quebec, have been sold.

The stock of E. Keene & Son, furniture and stove dealers, London, has been sold.

The assets of N. Commire, Fils & Cie, foundrymen, Maisonneuve, Que., are to be sold.

CHANGES.

James Laishley, bicycle dealer, Ottawa, is giving up business.

A. S. Chrystall, boilermaker, Goderich, Ont., has removed to London, Ont.

R. Dunlop, harnessmaker, Lethbridge, N.W.T., has sold out to Albert Easton.

Buettner Bros., hardware dealers, Hartney, Man., have been succeeded by George S. Pettypiece.

The Elginfield Oil and Gas Developing Co., of Dutton, Ont., Limited, is removing to St. Thomas, Ont.

FIRES.

N. Layton, general merchant, St. Charles, Man., has been burned out; loss reported $5,000; no insurance.

The stable and some horses owned by P. Burns & Co., wholesale and retail coal and wood dealers, Toronto, have been burned; insured.

DEATHS.

James Fleming, foundryman, St. John, N.B., is dead.

We Want Your Axe Order FOR FALL SHIPMENT.

Kindly hold it till our representatives call on you.

James Warnock & Co., - Galt, Ont.

COW TIES

Greening's Patent

We make the following:

Open Ring, six sizes.
Small Closed Ring, six sizes.
Large Closed Ring, six sizes.
Three Chain, six sizes.
Greening's Special Tie with Stall Fixtures, five sizes.

Our ties have stood the test for years and are undoubtedly the best in the market. Send for new price list. For sale by all jobbers.

The B. GREENING WIRE CO., Limited

HAMILTON and MONTREAL.



Geo. D. Wood & Co.

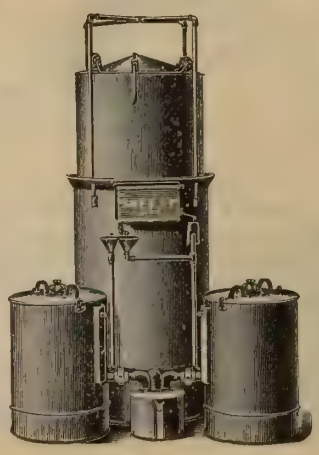
WINNIPEG, MAN.

Importers of and Dealers in

SHELF AND HEAVY
HARDWARE, PAINTS, OIL, GLASS, PUMPS, Etc.

Stock now **complete** in seasonable lines. **Prompt** shipment.

Letter orders receive **special** attention.



The "SAFETY"

ACETYLENE GAS MACHINE

manufactured by

The Safety Light & Heat Co.

DUNDAS, ONT.

What some of our friends say of us:

Dear Sirs,—The 10-light Safety Acetylene Gas Machine purchased from your Mr. Sparling has been in use in the office, composing and press room of the Vernon News since the beginning of the year, and it is giving excellent satisfaction. The light is clear, strong and much easier on the eyes than other forms of artificial light, and is admirably adapted for our purpose. The machine is easily operated and requires little attention. The automatic device for removing the ash from the carbide works to perfection. We find that there is no overgeneration of gas and consequently no waste. The ash is always dry when removed. Considering the volume of light we find it more economical than coal oil, and we can confidently recommend the Safety generator as a very excellent machine.

THE VERNON NEWS PUBLISHING CO, Vernon, B.C.



EMERY

Cloth and Paper.
Glass and Flint Paper.
"Atlas" Brand

"FLORA" Knife Polish, in 3d., 6d. and 1/ tins

Ground, Washed and Flour.

WHEELS of highest quality for general and special purposes.

EMERY GRINDING MACHINERY



Write for Latest Catalogues and Samples to

THE LONDON EMERY WORKS CO., 10-12 Vine Street Clerkenwell, LONDON, E.C.

Agent in Canada—MR. T. L. PATON, 30 St. Francois Xavier Street, Montreal, P. O. Box 903.

Standard Steel Toe Calks

Sizes of Blunt:



WRITE FOR DISCOUNTS.



Sizes of Sharp Calks below for Fall of 1899:

NO.	LENGTH.	SIZE.	NO.	LENGTH.	SIZE.
0	1½ inch	3/8 x 5/16	4	2¼ inch	3/4 x 3/8
1	1½ "	1/2 x 5/16	5	2½ "	3/4 x 3/8
2	1¾ "	9/16 x 3/8	6	2¾ "	7/8 x 7/16
3	2 "	5/8 x 3/8	7	3 "	7/8 x 7/16

Price, $1.25 per box of 25 lbs. in bulk.
Or 24 lbs. in 4-lb. packages.

NO.	LENGTH.	SIZE.	NO.	LENGTH.	SIZE.
0	1½ inch	9/16 x 3/8	4	2½ inch	3/4 x 1/2
1	1¾ "	9/16 x 3/8	5	2¾ "	15/16 x 9/16
2	2 "	11/16 x 7/16	6	3 "	15/16 x 9/16
3	2¼ "	3/4 x 1/2			

Price, $1 50 per box of 25 lbs. in bulk.
Or 24 lbs. in 4-lb. packages.

JAMES PENDER & CO., Limited, Sole Mfrs. **Saint John, N. B., Canada.**

DARK DAYS ARE COMING
—AND—
YOUR STORE IS GLOOMY.

Buy Luxfer Prisms and tempt new customers in—by making your store airy, cheerful and bright. . . . .



EATON'S—WITH LUXFER PRISM WINDOWS.



EATON'S—WITH OLD-FASHIONED GLASS.

LUXFER PRISMS ARE NO FAD.

Their popularity is due to the economy effected in artificial light. Dollars and cents do our pleading.

WRITE TO

Luxfer Prism Co., Limited
98-100 King St. West, TORONTO.

REGISTERED TRADE MARK

ISLAND CITY

The Island City Paint and Varnish Works

Manufacture the following brands of ***White Leads***

The Island City Pure White Lead
The Island City Pure White Paint
The Island City Decorators' Pure White Lead

We advertise Island City Pure White Paint, not that we want to praise its qualities more than its worth, but it has given others better satisfaction than any other pure white lead, and we want you to use it.
We have not been able to fill all demands.

P. D. DODS & CO.,
100 Bay St., TORONTO. 188 and 190 McGill St., MONTREAL.

WOOD, VALLANCE & CO.,

Iron Merchants.

Importers of British and Foreign

HARDWARE

HAMILTON, ONT., Canada.

Toronto Office:
☞ 88 York Street.

"NOT IN THE TRUST"

The Toronto Silver Plate Co., Limited.

"THE GOODERHAM COMPANY."

SILVERSMITHS and **MANUFACTURERS** of Electro Silver Plate,



No. 233 Berry, Dish, $9.00 List.

No. 273, Berry Dish, $8.00 List.

See what we have to offer before placing your orders elsewhere. Our new Albertype Catalogues are now ready to issue, and are to be had by anyone in the trade for the asking.

Factories and Salesrooms:
KING STREET WEST, TORONTO, CANADA.
E. G. GOODERHAM, Manager-Director.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, **Montreal.**

Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates, Galvanized Sheets, Imitation Russia Sheets, Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.



VanTuyl & Fairbank

Petrolia, Ont.

Headquarters for . .

Oil and Artesian Well Pumps, Casing, Tubing Fittings, Drilling Tools, Tables, etc.

R. C. LeVESCONTE

Barrister, Solicitor, Notary, Etc.

THE McKINNON BUILDING
Cor. Jordan and Melinda Streets

. . . TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.

No. 3 Patent Well.

"Oil wont spill if upset."



Manufactured by

E. T. WRIGHT & CO.

Hamilton, Canada.

Send for New Catalogue.

TRADE MARK J REGISTERED

"JARDINE" TIRE UPSETTERS WILL UPSET TIRES

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.
HESPELER, ONT.



Hockey Sticks

Write for samples and prices of our new pattern.

Handles

Of all descriptions, Neckyokes and Whiffletrees, etc., etc., to the trade only.

ST. THOMAS HANDLE AND TURNING WORKS

Established 1877. **J. H. STILL, Proprietor.**





PATENTED.

Standing Seam and Slate Roof SNOW SHOE IRONS

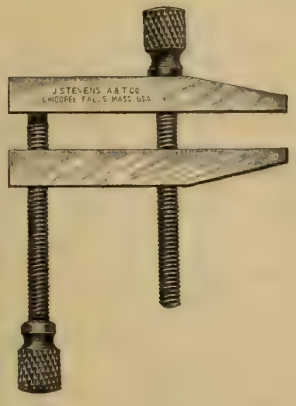
No snow rails need be used unless desired. The lugs clinch through the seam easily but securely. Send for catalogue.



Berger Bros. Co.,

Mfrs. of TINNERS' HARDWARE AND ROOFERS' SUPPLIES,

Philadelphia, U.S.A.



STEVENS FINE TOOLS

We make a perfect line of

CALIPERS and DIVIDERS

Also such tools as Surface Gauges, Tool Makers' Clamps, Center Punches, etc.

Write for our New Catalogue containing a description of our Tools. It is also a valuable hand-book of information for mechanics and people interested in such lines.

J. Stevens Arms & Tool Co.

P.O. Box 216, Chicopee Falls, Mass., U.S.A.

Carried by our representatives at Toronto and Montreal.

HUTCHISON, SHURLY & DERRETT

DOVERCOURT TWINE MILLS.

1078 BLOOR STREET WEST, TORONTO.

Having equipped our Factory with entirely new machinery, we are prepared to furnish the best made goods in the market at closest prices and make prompt shipments.

Hand Laid Cotton Rope and Clothes Lines,
Cotton and Russian Hemp Plough Lines, plain and colored.
Cotton and Linen Fish Lines, laid and braided.
Netted Hammocks, white and colored, Tennis and Fly Nets.
Skipping Ropes, Jute, Hemp and Flax Twines.

CORPORATE MARK

JOSEPH RODGERS & SONS, Limited.

MANUFACTURERS OF

Pocket and Table Cutlery, Scissors, Razors, Erasers, Etc.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for Canada,

JAMES HUTTON & CO., - - Montreal

CURRENT MARKET QUOTATIONS.

Oct. 20, 1899.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—	
56 and 28 lb. ingots, per lb.	0 37
Straits	0 37

Tinplates.

Charcoal Plates—Bright.

	Per box
M.L.S., equal to Bradley.	
I.C., usual sizes	$6 50
I.X., "	7 75
I.X.X., "	9 00
J. R. & Co.—	
I.C	6 00
I.X	7 25
I.X.X	8 50
Famous—	
I.C.	6 95
I.X.	7 50
I.X.X	8 75
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	5 75
I.X.X. "	6 50
I.X.X.X., "	7 25
D.C., 12½x17	4 50
D.X.	5 25
D.X.X	7 25

Coke Plates—Bright.

Bessemer Steel—	
I.C., usual sizes	4 35
I.C., special sizes, base	4 50
20x28	8 75

Charcoal Plates—Terne.

Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 50
I.X., Terne Tin	10 50

Charcoal Tin Boiler Plates.

	Per lb.
Cookley Grade—	
X X., 14x56, 50 sheet bxs, 14x60 " , 14x65, "	0 07 — 0 07½

Tinned Sheets.

72x30 up to 24 gauge	0 08 — 0 08½
" 26 "	0 08½ — 0 09
" 28 "	0 09 — 0 09½

Iron and Steel.

	Base	Price
Common Bar, per 100 lbs	2 35	2 45
Refined " "		2 65
Horse Shoe		2 40
Hoop steel, 1½ to 3 in. base, extras for smaller sizes		2 75
Swedish " "	4 00	4 25
Sleigh Shoe Steel " base		
Tire Steel		
Machinery		2 65
Cast Steel, per lb	0 10	0 14
Toe Calk Steel		
Thos. Firth & Sons' Cast Steel	0 12	0 14
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker.	2 00	2 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½-inch	0 11
2 "	0 12
2½ "	0 14
"	

Steel Boiler Plate.

¼ inch	3 25
3-16 inch	3 40
⅝ inch and thicker	3 25

Black Sheets.

18 gauge	2 75
20 gauge	2 75
22 to 24 "	2 90
26 "	3 00
28 "	3 25

Canada Plates.

All dull, 52 sheets	2 75
Half polished	2 85
All bright	3 25

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ⅜ inch, $3.60 ; ½ inch, $3.70 ; ¾ inch, $4.70; 1 inch, $5.90; 1¼ inch, $7.35 ; 1½ inch, $9.75; 2 inch, $13.00. 2½ to 6 inch, discount 50 p.c.

Galvanized, ½ inch, $6.50 ; ¾ inch, $8.00 ; 1 inch, $11.50 ; 1¼ inch, $16.00 ; 1½ inch, $20.00 ; 2 inch, $28.50.

Galvanized Iron.

	G C. Comet.	Amer.	Queen's Head
16 gauge			4 25
18 to 24 gauge	4 50	4 20	4 50
26 "	4 75	4 40	4 75
28 "	5 00	4 70	5 00

Less than case lots, 25c. per 100 lb. additional.

Chain.

Proof Coil, 3-16 in., per 100 lb	8 00
" ¼ " "	6 00
" 5-16 " "	5 25
" ⅜ " "	5 00
" 7-16 " "	4 75
" ½ " "	4 50
" ⅝ " "	4 50
" ¾ " "	4 50

Trace and tug chain, discount 45 p.c.

Jack chain, iron, single and double, discount 35 p.c.

Jack chain, brass, single and double, discount 40 p.c.

Copper.

Ingot.	
English B. S., ton lots	0 20 — 0 21
Lake Superior	
Bolt or Bar.	
Cut lengths, round, ⅛ to ⅞ in.	0 23½ — 0 25
" round and square 1 to 2 inches	0 23½ — 0 25
Sheet.	
Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 23 — 0 23½
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 23 — 0 23½

NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.

Tinned copper sheets	0 26
Planished	0 32

Braziers. (In sheets.)

4x6 ft. 25 to 30 lbs. ea., per lb.	0 25½
" 35 to 45 " "	0 24½
" 50-lb. and above, "	0 23½

Boiler and T. K. Pitts.

Plain Tinned, per lb	0 28
Spun, per lb.	0 32

Brass.

Roll and Sheet, 14 to 30 gauge.	5 per cent.
Sheets, hard-rolled, 2x4	0 24 — 0 25
Tubing, base, per lb.	0 24 — 0 25

Zinc Spelter

Foreign, per lb	0 07½ — 0 07¾
Domestic "	

Zinc Sheet.

5 cwt. casks	0 08
Part casks	0 08¼

Lead.

Imported Pig, per lb	0 04¼ — 0 04¾
Domestic, per lb	
Bar, 1 lb.	05
Sheets, 2½ lbs. sq. ft., by roll.	0 05¼ — 05½
Sheets, 3 to 6 lbs., per sq. ft., by roll	0 05 — 0 05¼

NOTE.—Cut sheets ½ cent per lb. extra

Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 17½ per cent. discount

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths, lists at 7½ cents.

Shot.

Ordinary, drop, $4.75 per 1-0 lb. ; chilled, $5.15 per 100 lb. F.O.B. Toronto ; terms 3 per cent. cash, freights equalized on Montreal.

Soil Pipe and Fittings.

Discount, 50 and 10 per cent. on medium and extra heavy, and 50 per cent. on light.

Solder.

	Per lb.	Per lb.
Bar half-and-half	0 21	0 22
Refined	0 20½	0 21½
Wiping	0 20	0 20½

NOTE.—Prices of this graded according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 11 — 0 11½

White Lead.

	Per cwt.
Pure, Assoc. guarantee, ground in oil, 25 lb. irons	6 50
No. 1 do	6 12½
No. 2 do	5 75
No. 3 do	5 37½
No. 4 do	5 00
Robertson's Chemically Pure	6 50
Munro's Select Flake White	6 75
Elephant and Decorators' Pure	6 50

Red Lead.

Genuine, 560 lb. casks, per cwt.	$5 00
Genuine, 100 lb. kegs, per cwt.	5 25 — 5 50
No. 1, 560 lb. casks, per cwt.	4 75
No. 1, 100 lb. kegs, per cwt.	5 00

White Zinc Paint.

Elephant Snow White	0 08 — 0 09
Pure White Zinc	0 08 — 0 09
No. 1	0 06 — 0 07½
No. 2	0 05 — 0 06½

Dry White Lead.

Pure, casks	0 05½
Pure, kegs	0 05¾
No. 1, casks	0 04¾
No. 1, kegs	0 05⅛

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)

Pure, per gallon	1 00	1 10
Second qualities, per gallon	0 90	0 95
Barn (in bbls.)	0 70	0 90
The Sherwin-Williams Paints		1 30
Canada Paint Co's Pure	1 10	1 20
Robertson's Pure	1 00	1 10
Sanderson Pearcy's Pure	1 00	1 10
Toronto Paint and Color Co.'s Pure	1 10	1 20

Colors in Oil.

(25 lb. tins, Standard Quality.)

Venetian Red, per lb	0 05
Chrome Yellow	0 11
Golden Ochre	0 06
French "	0 05
Marine Black	0 09
" Green	0 09
Chrome "	0 08
French Imperial Green	0 19

Colors, Dry.

Yellow Ochre (J.C.) bbls	1 35	1 40
Yellow Ochre (J.F.L.S.), bbls		2 75
Yellow Ochre (Royal)	1 10	1 15
Brussels Ochre		2 00
Venetian Red (best), per cwt.	1 80	1 90
English Oxides, per cwt.	3 00	3 25
American Oxides, per cwt	1 75	2 00
Canadian Oxides, per cwt.	1 75	2 00
Super Magnetic Oxides, 93 p.c.	2 00	2 25
Burnt Sienna, pure, per lb.		0 10
" Umber, " "		0 10
do Raw		0 09
Drop Black, pure		0 09
Chrome Yellows, pure		0 18
Chrome Greens, pure, per lb.		0 12
Golden Ochre		0 03¾
Ultramarine Blue in 28-lb boxes, per lb.	0 08	0 24
Fire Proof Mineral, per 100 lb.		1 00
Genuine Eng. Litharge, per lb		0 07
Mortar Color, per 100 lb.		1 25
James' Gen. Red Lead, 100 lb		0 05
Pure Indian Red, No. 45, lb.		0 08
Whiting, per 100 lb.		0 55

Sulphate of Copper.

Casks, for spraying, per lb.	0 07
100-lb. lots, do. per lb.	0 08

Putty.

Bladders in bbls.	1 80
Bladders in 100 or 200 lb. kegs or bxs	1 95
Bulk in bbls., per 100	1 65
Bulk in less quantities	1 80
25-lb. tins, 4 in case	2 05
12½-lb. tins, 8 in case	2 30

Quotations f.o.b. Toronto, Ottawa, Montreal, Hamilton, London, Guelph. For quantities less than 100-lbs., 2½c. per lb.

Varnishes.

(In 5-gal. lots.)	Per gal.	
Carriage, No. 1	1 30	1 40
Extra do.	1 50	1 60
Body Varnish	3 40	3 50
Furniture Varnish	0 60	0 75
Extra do.	1 10	1 20
Demar Varnish		1 60
Hard Oil Finish	1 30	1 45
Orange Shellac Varnish	2 00	2 10
White Shellac	2 20	2 25
Rubbing Varnish		2 00
Brown Japan	85	1 00
Elastic Oak		1 40

Linseed Oil.

Raw.		Boiled.	
1 to 4 bbls.	$0 58	delivered	$0 61
5 to 9 bbls	57	"	60
10 to 15 bbls.	55	f.o.b. point ship'nt	58
16 to 30 bbls.	54	"	57
Car lots	53	delivered	56

On 1 to 4, 5 to 9 bbls. and car lots, freight allowed. Prices on 10 to 15 and 16 to 30-bbls. are f.o.b. shipping point.

Turpentine.

Single barrels	0 77
2 to 4 barrels	0 76

Freight allowed.

Castor Oil.

In cases, per lb	0 09
Small lots	0 10

Cod Oil, Etc.

Cod Oil, per gal.	0 50 — 0 55
Pure Olive	1 20
" Neatsfoot	90

Glue.

(In bbls.)

Common	0 08½ — 0 09
French Medal	0 12 — 0 12½
Cabinet, sheet	0 11 — 0 12
White, extra	0 16 — 0 18
Gelatine	0 22 — 0 30
Strip	0 16 — 0
Coopers	0 19 — 0
Al clear	0

HARDWARE.

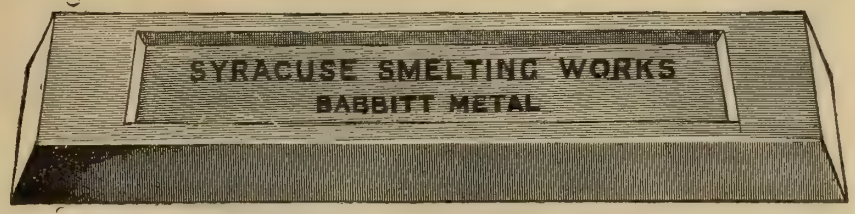
Ammunition.

Cartridges.

B. B. Caps. Dom., 50 and 5 per cent.
Rim Fire Pistol, dis. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18 p.c. Amr.

Use Syracuse Babbitt Metal

IT IS THE BEST MADE



For Paper and Pulp Mills, Saw and Wood Working Machinery, Cotton and Silk Mills, Dynamos, Marine Engines, and all kinds Machinery Bearings.

PIG TIN, LEAD, INGOT, COPPER, BRASS, NICKEL, ALUMINUM, ZINC SPELTER, ANTIMONY, ETC., FURNISHED PROMPTLY.

Factories: 332 William St., MONTREAL, QUE. and SYRACUSE, N. Y.

Syracuse Smelting Works

Central Fire Cartridges, pistol sizes, Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.
Brass Shot Shells, 55 and 10 per cent.
Primers, Dom., 80 per cent.

Wads.

	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 33⅓ per cent.

Anvils.

Per lb	0 10	0 12½
Anvil and Vice combined	....	4 50
Wilkinson & Co.'s Anvils, lb.	0 09	0 09½
Wilkinson & Co.'s Vices, lb.	0 09¾	0 10

Augers.

Gilmour's, discount 50 and 10 p.c. off list.

Hollow, Stearn's, per dozen	13 00	20 00
Adjustable, Stearn's, each	4 50	6 50
Post-hole, Vaughan's, each	60	90

Axes.

Chopping Axes—		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00
Bench Axes, 40 and 15 p.c.		
Broad Axes, 33⅓ per cent.		
Hunters' Axes	5 50	6 00
Boy's Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Bath Tubs.

Zinc	3 90	4 00

Copper, discount 40 and 10 p.c. off revised list
Steel clad, discount 20 per cent. Boxing extra.

Anti-Friction Metal.

Tandem "A"	per lb.	0 23
" B	"	0 19
" C	"	0 11½

Magnolia Anti-Friction Metal, per lb. 0 25
F. O. B. New York or Chicago.

Bells.

Hand.
Brass, 60 per cent.
Nickel, 55 per cent.
Door.
Gongs, Sargant's 5 50 8 00
" Peterboro', discount 50 per cent.
Cow.
American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.
Farm.

American, each	1 25	3 00
House.		
American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00

Blacksmiths', discount 60 per cent.

Belting.

Extra, 50 per cent.
Standard, 50 and 10 to 50, 10 and 5 per cent.
Agricultural, 60 and 10 p.c.

Bits.

Auger.
Gilmour's, discount 50 and 10 per cent.
Rockford, Common, 70 to 70 and 10 per cent.
" Perfection, 50 and 10 per cent.
Jennings' Gen., net list.
Car.
Gilmour's, 47½ to 50 per cent.
Expansive.
Clark's, 40 per cent.
Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb	0 07¾	10 12

Bolts and Nuts.

	Per cent.
Norway Bolts, full square	65
Common Carriage Bolts, 5-16 & under	55
" " " ⅜ and larger	50
" " " full square	65
Machine Bolts, all sizes	55
Coach Screws	67½
Sleigh Shoe Bolts	72½
Blank Bolts	55
Bolt Ends	62½
Nuts, square	3¾c.
Nuts, hexagon	4¼c.
Tapping Nuts	60
Tire Bolts	60 and 10
Stove Bolts	60 and 10
Stove rods, per lb	5½ to 6c.

Boot Calks.

Small and medium, per M	4 50	
Small heel, per M	4 25	

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent.

Henis, No. 8, "	....	6 00
Henis, No. 9, "	....	7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Plain building, per roll	0 28
Tarred lining, per roll	0 35
Tarred roofing, per 100 lb	1 40
Coal Tar, per barrel	3 75
Pitch, per 100-lb	0 60
Carpet felt, per 100 lb	2 75

Bull Rings.

Copper, $2.50 for 2½ in. and $2 for 2 in.

Butts.

Brass.
Wrought Brass, net revised list.
Cast Iron.
Loose Pin, dis., 60 per cent.
Wrought Steel.
Fast Joint, dis. 60 and 10 per cent.
Loose Pin, dis. 60 and 10 per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.
Gen. Bronzed, per pair 0 40 0 65

Cards.

Horse, per doz	0 60	1 00

Carpet Sweepers.

Bissell, per doz	....	22 50
World, "	....	21 75
Daisy, "	....	24 00
Star, "	....	18 00
Crown Jewel, per doz	....	29 00
Grand Rapids, "	24 00	33 00

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	...

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	50	9 50

Cement.

Canadian Portland	2 65	2 90
English "	....	3 00
Belgian "	....	2 70
Canadian hydraulic	1 00	1 10

Figures are for barrel lots.

Chalk.

Carpenters, Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket. Framing and Firmer.
Broad's, dis. 60 and 5 per cent.
Warnock's, dis. 60 per cent.

Churns.

Revolving Churns, metal frames—No. 0, $3—No. 1, $3.20—No. 2, $3.40—No. 3, $3.75—No. 4, $4.50—No. 5, $5.90 each. Ditto, wood frames—15c. each less than above. Terms 4 months or 3 p.c. off 30 days, f.o.b.

Cinder Sifters.

Per doz	1 25	

Clips.

Axle dis. 65 per cent.

Closets.

Plain Ontario Syphon Jet	$8 00
Emb. Ontario Syphon Jet	8 50
Fittings	1 00
Plain Teutonic Syphon Washout	4 75
Emb. Teutonic Syphon Washout	5 25
Fittings	1 00
Plain Richelieu	4 75
Emb. Richelieu	5 00
Fittings	1 25
Closet connection	1 25
Basins, round, 14 in.	0 65
" oval, 17 x 14 in.	1 55
" " 19 x 15 in.	2 30

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 20 per cent. from factory.

Dies.

Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. per cent.

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Broad's, dis 75 per cent.
Warnock's, dis. 50 and 10 per cent.

Drills.

Hand and Breast.
Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis. 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.

Stovepipe.

Per doz	0 85	1 70

ESCUTCHEONS.

Discount, 27½ per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 45 per cent.

FILES.

Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Jowitt's, English list, 25 to 27½ per cent.
Mechanics' Star & File Mfg. Co. Discount 60 and 10 to 70 per cent.

FORKS.

Hay, manure, etc., dis., 60 and 10 to 60 and 5 p. c. revised list.

FRUIT PRESSES.

Henis', per doz	3 25	3 50

Shepard's Queen City, dis. 15 per cent.

GAUGES.

Marking, Mortise, Etc.
Stanley's dis. 50 to 55 per cent.
Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft
Under 26	2 10	4 00	3 50	6 00
26 to 40	2 30	4 35	3 75	6 65
41 to 50	....	4 75	....	7 25
51 to 60	....	5 00	....	8 50
61 to 70	....	5 35	....	9 25
71 to 80	....	5 75	....	10 50
81 to 85	....	6 50	....	11 75
86 to 90	....	7 25	....	14 00
91 to 95	....	....	....	15 50
96 to 100	....	....	....	18 00
101 to 105	....	....	....	21 00
106 to 110	....	....	....	24 00
111 to 115	....	....	....	28 00

16 x 16 10 per cent. off.

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail
Maydole's, dis 5 to 10 per cent. Can. dis. 25 to 27½ per cent.
Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz., net	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pair	0 40	2 50

Fork
C. & B., dis. 45 per cent. rev. list.
Hoe.
C. & B., dis. 45 per cent. rev. list.
Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.
Canadian, 45 per cent.
Cross-Cut Saws.

Canadian, per pair	0 13¾	0 20

HANGERS.

	doz. pairs	
Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50
Lane's covered—		
No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot		4½

HARVEST TOOLS.

Discount, 50, 10, and 5 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent.

HINGES.

Blind, Parker's, dis. 60 and 10 to 65 per cent			
" Shepard's Noiseless, dis. 60 per cent.			
" " Buffalo, dis. 60 to 70 p. c.			
Heavy T and strap, 4-in., per lb			0 06
" " 5-in., "			0 05¾
" " 6-in., "			0 05½
" " 8-in., "			0 05¼
" " 10-in., "			0 05

Light T and strap, dis. 60 and 10 per cent.
Screw hook and hinge—

6 to 12 in., per 100 lbs	....	4 50
14 in. up, per 100 lbs	...	3 50
	Per gro. pair	
Spring	....	8 50

HOES.

Garden, Mortar, etc., dis. 60, 10 and 5 p.c.		
Planter, per doz	4 00	4 50

HOLLOW WARE

Discount, ... 45 and 5 per cent.

HOOKS.

Cast Iron.

Bird Cage, per doz	0 50	1 10
Clothes Line, per doz	0 27	0 63
Harness, per doz	0 72	0 88
Hat and Coat, per gross	1 00	3 00
Chandelier, per doz	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.

Hat and Coat, discount 60 per cent.
Belt, per 1,000 ..... 0 60 0 70
Screw, bright, dis. 65 and 10 per cent.

HORSE NAILS.

"C" brand 50 p.c. dis.
"M" brand 50 p.c. } Oval head.

Acadian, 50 and 20 p.c., countersunk head.

HORSESHOES.

Iron Shoes.	F.O.B. Toronto. No. 2 and larger.	No. 1. and smaller.
Light, medium, and heavy.	3 80	4 05
Snow shoes	4 05	4 30
Steel Shoes.		
Light	4 10	4 35
Featherweight (all sizes)	5 35	5 35

JAPANNED WARE.

Discount, 50 per cent. off list, June, 1899.

ICE PICKS.

Star, per doz	3 00	3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb 0 30 0 50
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 50 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz		1 00
Bronze, Berlin, per doz	2 75	3 25
Bronze Genuine, per doz	6 00	9 00
Shutter, porcelain, F. & L. screw, per gross	1 30	4 00

KNIVES.

Hay knives, spear point, L. or T handle, 60 10 and 5 per cent.

Lightning, per doz	6 50	8 40
Health's, $7.75 net.		

LANTERNS.

Cold Blast, per doz	7 50
No. 3 "Wright's"	8 50
Ordinary, with O burner	4 25
Dashboard, cold blast	9 50
No. 0.	6 00

Japanning, 50c. per doz. extra.

LEMON SQUEEZERS.

	per doz.
Porcelain lined,	2 20 5 60
Galvanized	1 87 3 85
King, wood	2 75 2 90
King, glass	4 00 4 50
All glass	1 20 1 30

LINES.

Fish, per gross	1 05	2 50
Chalk "	1 90	7 40

LOCKS

Canadian, dis. 33⅓ p.c.		
Russell & Erwin, per doz	3 05	3 25
Cabinet.		
Eagle, dis. 30 p.c.		
Padlock.		
English and Am., per doz	50	6 00
Scandinavian, "	1 00	2 40
Eagle, dis. 15 to 17½ p.c.		

MACHINE SCREWS.

Iron and Brass.

Flat head, discount 25 p.c.
Round Head, discount 20 p.c.

MALLETS.

Tinsmiths', per doz	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz.	3 85	5 00
Caulking, each	60	2 00

MATTOCKS

Canadian, per doz	8 50	10 00

American, 60 and 10 p.c. off list.

MEAT CUTTERS.

American, dis. 30 to 32½ p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2d. and 3d	$3 60	$4 30
3d	3 25	3 95
4 and 5d	3 00	3 80
6 and 7d	2 90	3 65
8 and 9d	2 75	3 45
10 and 12d	2 70	3 40
16 and 20d	2 65	3 35
30, 40, 50 and 60d. (base)	2 60	3 30

Steel Cut Nails 10c. extra.

NAIL PULLERS.

German and American	1 85	3 50

NAIL SETS.

Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.

Poultry, 40 per cent. for McMullen's.

OIL.

Canada refined (Toronto)		0 13½
Sarnia Water White		0 15
Pratt's Astral		0 18
Sarnia, Prime White		0 14
American w. w.		0 16½

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz 0 00 11 00
Zinc and tin, dis. 50, 50 and 10.
Copper, per doz 1 25 3 50
Brass, " 1 50 3 50
Malleable, dis. 25 per cent.

PAILS.

Galvanized pails, discount 45 per cent.
Galvanized flaring pails, discount 45 per cent
Galvanized washtubs, discount 45 per cent.

PIECED WARE.

Discount, 45 per cent. off list, June, 1899.

PICKS.

Per doz	6 00	9 00

PICTURE NAILS.

Porcelain head, per gross	1 40	3 00
Brass head,	0 40	1 00

PLANES.

Wood, bench, Canadian dis. 55 per cent.
American dis. 55.
Wood, fancy Canadian or American, 37½ to 40 per cent.
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.
Miscellaneous, dis. 25 to 27½ per cent.
Bailey's Victor, 25 per cent.

PLANE IRONS.

English, per doz	2 00	5 00

PLIERS AND NIPPERS.

Button's Genuine, per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz.. 5 00 9 00
German, per doz 0 60 2 60

PRESSED SPIKES.

Discount, 20 per cent.

PULLEYS.

Hothouse, per doz	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS

Canadian cistern	1 40	2 25
Canadian pitcher spout	1 15	2 00

PUNCHES.

Saddlers', per doz	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set	0 00	0 72
" hollow, per inch	0 00	1 00

RAKES.

Cast steel and malleable Canadian, list dis. 50 and 10 p.c. revised list.
Wood, 25 per cent.

RASPS AND HORSE RASPS.

New Nicholson horse rasp, discount 60 p.c.
Globe File Co.'s rasps, 60 and 10 to 70 p.c.
Heller's Horse rasps, 50 to 50 and 5 p.c.

RAZORS.

	per doz.
Geo. Butler & Co.'s,	8 00 18 00
Boker's	7 50 11 00
Wade & Butcher's	3 60 10 00
Theile & Quack's	7 00 12 00

REAPING HOOKS.

No. 2	$2 00
No. 3	2 05
No. 4	2 15
No. 5	2 20

REGISTERS.

Discount, ... 60 per cent.

RIVETS AND BURRS.

Carriage, Section, Wagon Box Rivets, etc. (Steel), 45 p.c.
Black M. Rivets (Steel), 45 p.c.
Black and Tinned Rivets, 45 p.c.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets & Burrs, 35 p.c. dis., and cartons, 1c. per lb. extra, net.
Extras on Tinned or Coppered Rivets in ½-lb. cartons, 1c. per lb.
Burrs, iron or steel, 40 per cent.
Terms, 4 mos. or 3 per cent. cash 30 days.

RIVET SETS.

Canadian, dis. 35 37½ per cent.

ROPE, ETC.

	Sisal.	Manila.
7-16 in. and larger, per lb.	12½	15
⅜ in	13	15½
¼ and 5-16 in.	13½	16
Cotton		14
Russia Deep Sea		15½
Jute		8
Lath Yarn		9¾
New Zealand Rope		10½

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

Mrs. Potts, per set		0 70
" N. P., per set		0 85

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 2½ per cent.
Emery, 40 per cent.

SASH WEIGHTS.

Sectional, per 100 lbs	3 25	
Solid, "	1 50	

SAWS.

Hand, Disston's, dis. 12½ to 15 p.c.
S. & D., 40 per cent.
Crosscut, Disston's, per ft | 0 35 | 0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.
Hack, complete, each | 0 75 | 2 75
" frame only | | 0 75

SASH CORD.

Per lb	0 20	0 50

SAW SETS.

"Lincoln," per doz	5 50	6 00

SCALES

Gurney Scales, 45 p.c.
B. S. & M. Scales, 45 p.c.
Champion, 55 per cent.
Fairbanks Standard, 45 p.c.
" Dominion, 60 p.c.
" Richelieu, 60 p.c.
Chatillon Spring Balances, 25 p.c.

SCREENS.

Door, patent, per doz	6 00	12 00
Window, per doz	2 00	3 00

SCREW DRIVERS.

Sargent's, per doz	0 65	1 00

SCREWS

Wood, F. H., iron, and steel, 80 p.c.
Wood R. H., " dis. 75 p.c.
" F. H., brass, dis. 75 p.c.
Wood, R. H., " dis. 67½ p.c.
" F.H., bronze, dis. 67½ p.c.
" R.H. 62½ p.c.
Drive Screws, 82½ per cent.

Bench, wood, per doz	3 25	4 00
" iron, "	4 25	5 75

SCYTHES.

Discount, per doz. net	4 50	6 00

SCYTHE SNATHS.

Canadian, dis. 50 p.c.

SHEARS

Seymour's, dis. 50 and 10 p.c.
Heinisch, dis. 50 and 10 p.c.
Seymour or Heinisch tailor shears. 15 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SNAPS.

Harness, German, dis. 35 to 37½ p.c.		
Acme	3 00	5 00
Lock, Andrews'	4 50	11 50

SOLDER.

Bar, half-and-half	0 21½	0 22
Refined	20½	0 21
Wiping		0 19½

SOLDERING IRONS.

1, 1½ lb., per lb	0 37
2 lb. or over, per lb.	0 34

SQUARES.

Iron, per doz	1 65	2 90

Steel, dis. 50 and 10 per cent., revised list.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p.c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized	3 80
Bright	3 55

STOCKS AND DIES.

American dis. 25 p.c.

STONE.	Per lb,	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador		0 13
" Axe		0 15
Turkey		0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, per ton	15 00	18 00

STOVE PIPES.

5 to 6 inch, per 100 lengths		6 75
7 inch, per 100 lengths		7 25

Stove Polish.



No. 4—3 dozen in case, net cash		$4 50
No. 6—3 dozen in case, "		7 50

STEP LADDERS.

Best grade, from 3 to 10-ft. long, per foot, 16c.
2nd grade, 3 to 10-ft., per foot, 10c.

TACKS BRADS, ETC.

	Per cent.
Strawberry box tacks, bulk	75
Cheese-box tacks, blued	80 and 12½
Trunk tacks, black and tinned	80 and 12½
Carpet tacks, blued and tinned	75 and 10
" " (in kegs)	35
Cut tacks, blued, in dozens only	70 and 10
" ¼ weights	55
Swedes, cut tacks, blued and tinned—	
In bulk	80
In dozens	70 and 10
Swedes, upholsterers', bulk	80 and 12½
" brush, blued & tinned, bulk	45
" gimp, blued, tinned and japanned	70 and 10
Zinc tacks	30
Leather carpet tacks	55
Copper tacks	50
Copper nails	52½
Trunk nails, black	65
Trunk nails, tinned	65 and 5
Clout nails, blued and tinned	65
Chair nails	35
Cigar box nails	35
Patent brads	40
Fine finishing	40
Picture frame points	10
Lining tacks, in papers	10
" " in bulk	15
" " solid heads, in bulk	75
Saddle nails in papers	10
" " in bulk	15
Tufting buttons, 22 line, in dozens only	60
Tin capped trunk nails	15
Zinc glazier's points	5
Double pointed tacks, dozens	85
" " " bulk	40

TAPE LINES.

English, ass skin, per doz	2 75	5 00
English, Patent Leather	5 50	8
Chesterman's each	0 90	2
" steel, each	0 80	8 00

THERMOMETERS

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TINWARE.

Stamped, dis., Assn. list, 80 per cent.
Japanned, prices on application.
Pieced, prices on application.

TRANSOM LIFTERS.

Payson's per doz	2 60

TRAPS. (Steel.)

Game, Newhouse, dis. 40 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's, discount 10 per cent.

German, per doz	4 75	6 00
Brade's "	5 00	10 50

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb		0 21
Wrapping, mottled, per pack.	0 50	0 60
Wrapping, cotton, per lb	0 17	0 18
Mattress, per lb	0 33	0 45
Staging, "	0 27	0 35
Broom, "	0 30	0 55

VISES.

Hand, per doz	4 00	6 00
Bench, parallel, each	2 00	4 50
Coach, each	6 00	7 00
Peter Wright's, per lb	0 12	0 13
Pipe, each	5 50	9 00
Saw, per doz	6 50	13 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Smooth Steel Wire, base, $3.35 f o.b. factory points. Listof extras: Nos. 2 to 5, advance 7c. per 100 lb.—Nos. 6 to 9, base—No. 10, advance 7c.—No. 11, 14c.—No. 12, 20c.—No. 13, 35c.—No. 14, 47c.—No. 15, 60c.—No. 16, 75c. Extras net per 100 lb.: Coppered wire, 60c.—tinned wire, $2—oiling, 10c.—special hay-bailing wire, 30c.—spring wire, $1—best steel wire, 75c.—bright soft drawn, 15c.—in 50 and 100-lb. bundles net, 10c.—in 25-lb. bundles net, 15c.—packed in casks or cases, 15c.—bagging or papering, 10c.
Fine Steel Wire, dis. 12½ per cent. factory. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, $7.65—No. 24, $8—No. 25, $9—No. 26, $9.50—No. 27, $10—No. 28, $11—No 29, $12—No. 30, $13—No. 31, $14—No. 32, $15 No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31, $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.60—No. 9, $3.10—No. 10, $3.70—No. 11, $3.75—No. 12, $3 20—No. 13, $3.45—No. 14, $4.10—No. 15, $4.70—No. 16. $4.85.

Broom Wire, per lb	0 05	0 05½
Clothes Line Wire, 19 gauge, per 1,000 feet		3 30

WIRE FENCING.

	F.O.B. Toronto
Galvanized, 4 barb, 2¼ and 5 inches apart	3 50
Galvanized, 2 barb, 4 and 6 inches apart	3 50
Galvanized, plain twist	3 50

Terms, 2 per cent. in 10 days.

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net	1 75

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 70 to 70 and 10 p.c.
Standard, dis. 60, 60 and 10 per cent.
Coe's Genuine, dis. 20 to 25 p.c.
Diamond, dis. 33⅓ to 35 per cent.

Towers' Engineer, each	2 00	
" S., per doz	5 80	
G. & K.'s Pipe, per doz		3 40
Burrell's Pipe, each		8 00
Pocket, per doz	0 25	2 90

WRINGERS.

Leader, per doz.	$60 00
Royal Canadian "	58 00
Royal American "	48 00

Discount, 45 per cent.: terms 4 months, or 3 p.c. 30 days. Prices are f.o.b. London, Hamilton Toronto, Brockville or Montreal.

THE OAKVILLE BASKET CO.,



Manufacturers of

1, 2, 3 Bushel

Grain

AND

Root

BASKETS

THE OAKVILLE BASKET CO.

McCaskill, Dougall & Co
Fine Varnish & Japan
Manufacturers.
Montreal
Price Lists on application

Buy the Best.



HERCULES

Sash Cord.

Star Brand Cotton Rope
Star Brand Cotton Clothes Lines
Star Brand Cotton Twine

For Sale by all Wholesale Dealers

D. F. Jones Manufacturing Co. Limited, of Gananoque, Ont.

Established 1852.

Shovels
Spades
Draining Tools

TRADE MARK. J D.F.J.MF'G.CO.

Grain and Coal Scoops and Miners' Shovels

The only Canadian manufacturers of Plain Back Shovels and Spades **THAT ARE SOLID,** without weld, and graduated from socket to point, and from centre to sides, of blades.

All our goods have trade mark on the handle.



IRON AND BRASS

Pumps

Force, Lift and Cistern Hand and Power.

For all duties. We can supply your wants with —quality the best and prices right. Catalogues and full information for a request.

THE R. McDOUGALL CO., Limited

Manufacturers, **Galt, Canada.**



"Build to-day then, strong and sure. With a firm and ample base."
—Longfellow.

DO YOU?

WISH THUS TO BUILD an advertisement in the CONTRACT-RECORD, TORONTO will bring you tenders from the best contractors

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CHAS. F. CLARK, President. **JARED CHITTENDEN, Treasurer.**

ESTABLISHED 1849.

...BRADSTREET'S...

Capital and Surplus, $1,500,000. **Offices throughout the civilized world.**

Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying, and promulgating information, no effort is spared, and no reasonable expenes considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world. Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by respectable and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its Offices. **Correspondence invited.**

THE BRADSTREET COMPANY

TORONTO OFFICE: Cor. Jordan and Melinda Sts.

THOS. C. IRVING, Superintendent.

PERFECTION AUTOMATIC REVOLVER.



NEW Automatic shell extracting, double action, small frame. Weighs 12 oz. Rebounding lock. 32 caliber. 5 shot.

Made with shorter barrel for bicycle use.

The most perfect small pistol made.

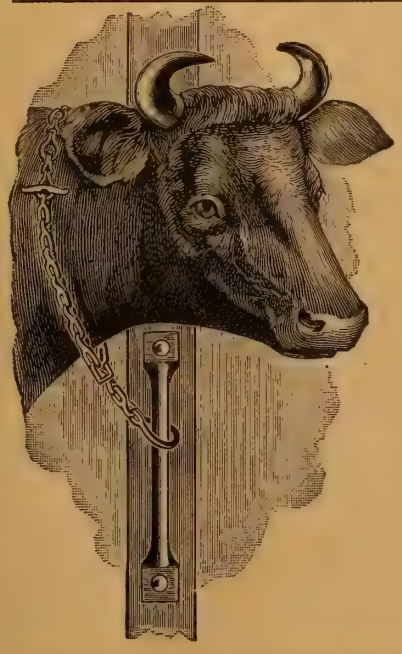
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Cow Tie AND Stall Fixture

The special features of the tie and stall fixture are well shown in the illustration. As will be noticed the chain is very short which prevents all danger of entanglement with the animal's foot. At the same time the form of the fixture is such that great freedom is allowed to the head. Because of the short chain this tie is much cheaper than the ordinary patterns.

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VOL. XI. MONTREAL AND TORONTO, OCTOBER 28, 1899. NO. 43



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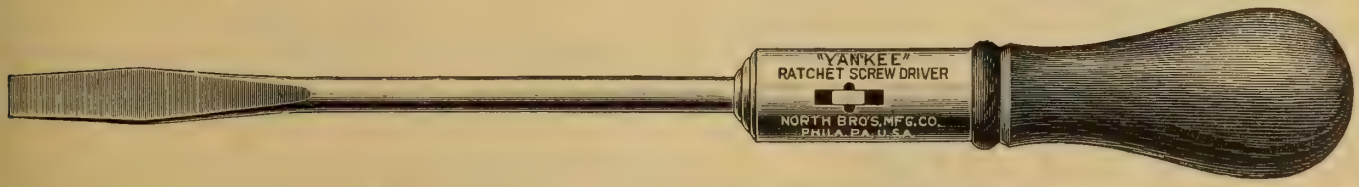
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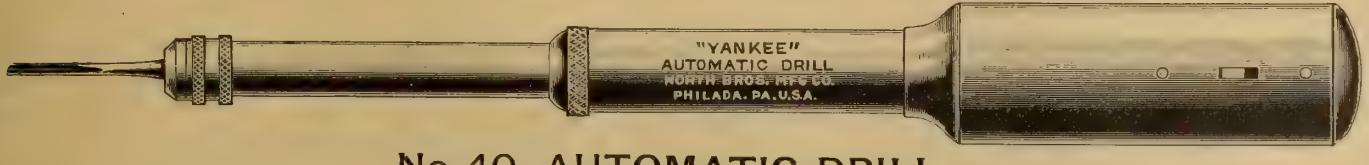
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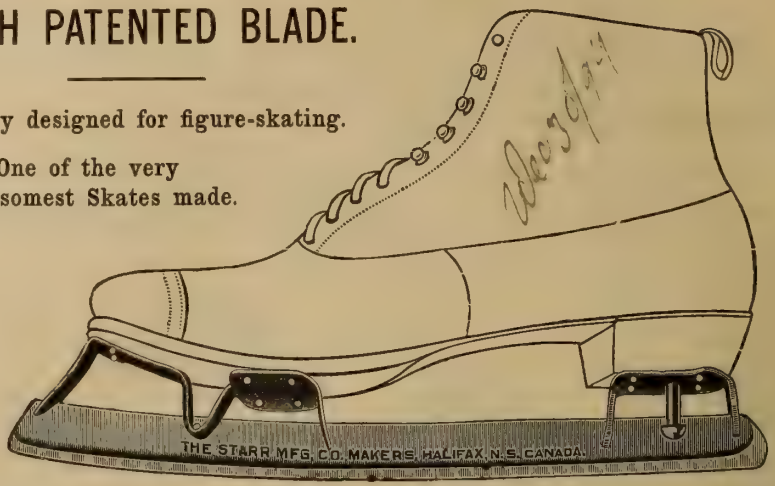
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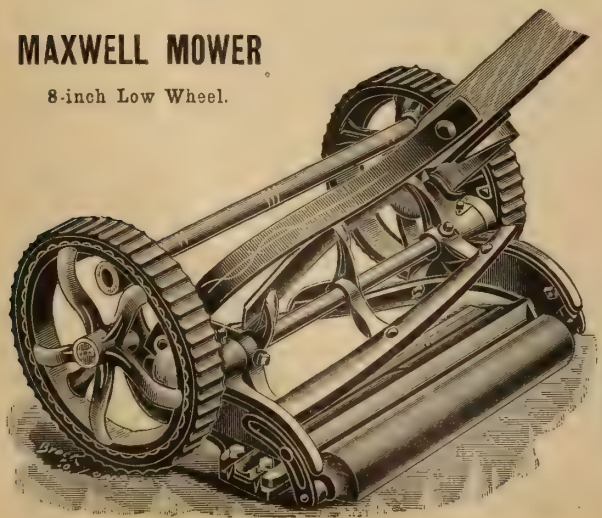
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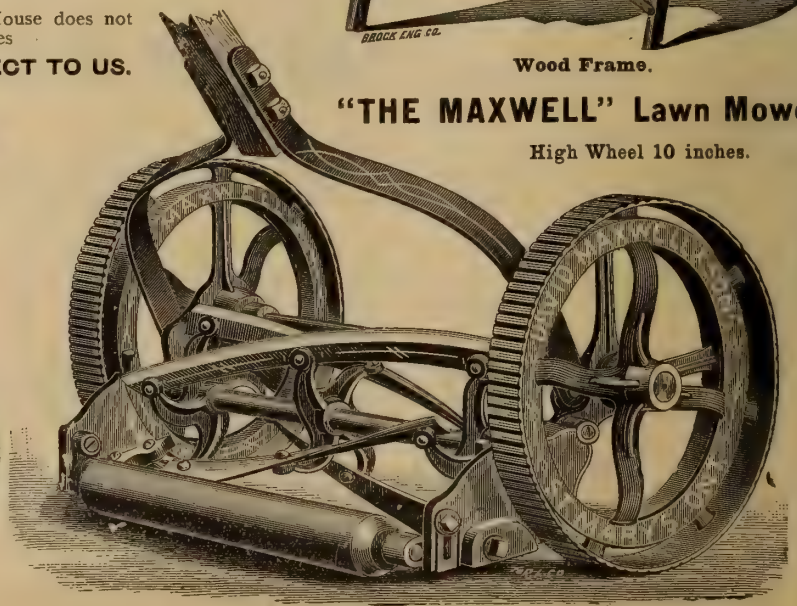
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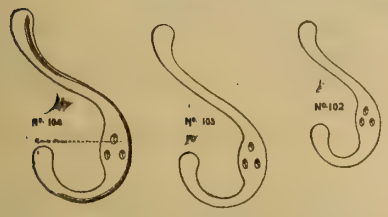
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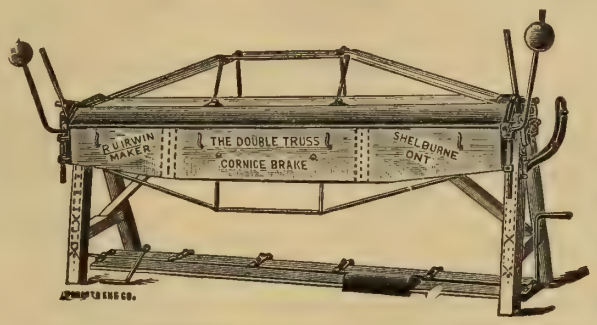
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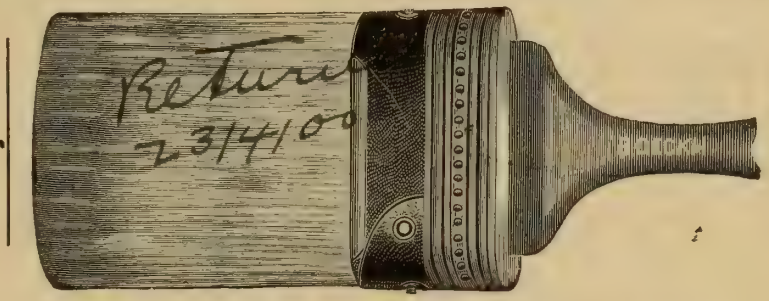
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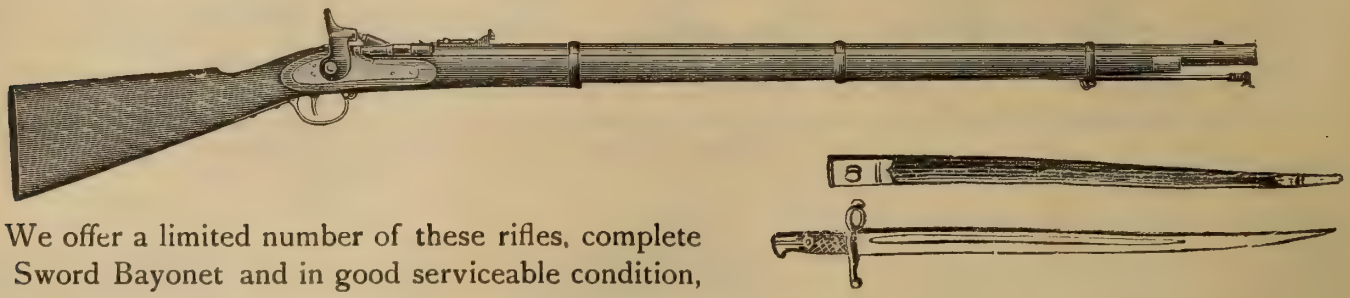
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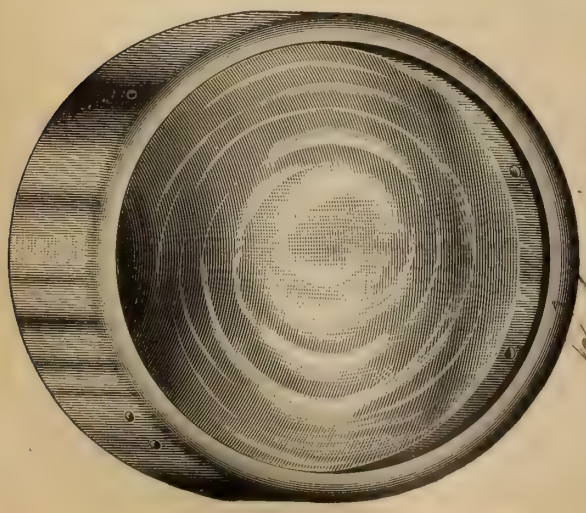
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HARDWARE AND METAL

Vol. XI. MONTREAL AND TORONTO, OCTOBER 28, 1899. No. 43

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IRON BOOMING IN ENGLAND.

A NOTABLE advance in the English iron markets has been a feature of the situation lately, Scotch warrants, for instance, rising from 69s. 7d. on October 17 to 71s. 3d. on October 23, and Middlesboro No. 3, in the same interval, stiffening from 68s. 7d. to 69s. 9d.

Mail advices to W. I. Russell & Co., New York, state that the demand for iron and steel in Britain is heavier than has been experienced for a number of years.

British pig iron makers do not care, in the present state of the market, to accept orders at late rates, because they may be advanced at any moment. The output of steel is short of the demand, and prices are exceedingly strong. Bessemer billets and blooms, £6 to £6 5s., and Siemens £6 5s. to £6 10s.

Sheffield reports state that there is a scarcity of Swedish material assuming the gravity of a famine. Merchants are unable to supply their customers with steel, and firms have been offering substantial premiums to induce those who have bought on contract to forego some portion of their purchases.

As noted the other week in HARDWARE AND METAL, several of the leading firms are still shipping steel to Canada and the United States, and makers in the latter country have been inquiring in the Sheffield market for supplies of skate steel.

A steady tone prevails in the hematite pig iron trade, and a good business is reported on American account. Finished iron makers are heavily sold over the next three or four months.

HIGHER OCEAN FREIGHTS AND PRICES.

The withdrawal of numerous ocean steamers, due to the free chartering by the British Government, is having a material effect already on the cost of goods in transit across the Atlantic, and will very likely lead to advances in values on many leading lines, as there is still a considerable quantity of heavy material of all sorts to be shipped from primary markets.

The advance this week in the price of English, Belgian, and German cement is a case in point. It was due largely to the advanced freights asked on forward importations between now and the close of navigation, and there is a likelihood of similar examples on other lines of material.

INITIATING AND IMITATING.

HE who would win in business must mind his own business. There is no other alternative.

While the Shamrock and the Columbia were sailing their series of international races the one did not port or starboard its helm because the other did. Neither did the one tack, or hoist or lower a certain sail because the other did.

The skipper of each boat knew that it was only possible to win by doing the very best he could. When he thought it best to order a tack he did so, and when he was of opinion that the hoisting of a certain sail would capture a favorable breeze that sail was forthwith hoisted.

He wanted to keep or get ahead of the other yacht ; that was all he was concerned about.

Had the winning yacht made no move or hoisted no sail until after its competitor had done so it would have lost and not won.

Business men who hesitate to act because they fear competitors will follow, or who only imitate when competitors initiate, never get anything better than second place.

Difficulty is being experienced in squeezing some of the large manufacturers into the corset trust. They evidently haven't a woman at the job.

ADVANCE IN GUN IMPLEMENTS.

Manufacturers in the United States of gun implements have notified the importing trade in Canada of an advance of 10 to 25 per cent. in prices.

The lines affected are cleaning rods, loaders, recappers, powder and shot measures, etc.

CANADIAN CANALS—HOW THEY ARE VIEWED IN THE UNITED STATES.

THE chief import in the recent opening of the Soulanges canal on the St. Lawrence river was not in the mere opening of the canal itself, important and all as that was.

Its chief import lay in the fact that, by the opening of this canal, the last obstacle which prevented a vessel drawing 14 feet of water from sailing from Port Arthur to the sea had been removed.

From Port Arthur, at the head of Lake Superior to Father Point, at the mouth of the St. Lawrence river, a distance of over 1,600 miles, a 14-foot channel is now guaranteed ; or, to put it another way, a vessel drawing 14 feet of water can leave Port Arthur, at the head of fresh water navigation, and sail direct to Liverpool, a distance of 4,494 miles.

The first canal on the downward journey is the Sault Ste. Marie, with a depth of over 20 feet, and the last is at Montreal, the Lachine, with a depth of 14 feet.

Between the first and the last-named canal there is a distance of a little over 1,000 miles, of which 70⅝ miles is canal.

The placing of this great inland waterway in the position it is to-day has not been accomplished without the expenditure of a good deal of money. Up to June 30, 1898, there were expended, chargeable to capital alone, over $57,100,000 on the Lachine, Beauharnois, Soulanges, Williamsburg, Cornwall, Welland, and Sault Ste. Marie canals, while the total expenditure of all kinds upon all the canals of the country was over $87,500,000.

Large as the amount of money is that has been expended on the canal system of Canada, we have a most valuable asset to show for it, even granting that some of the expenditure has been injudicious.

The importance to the country of the great inland waterway to the sea can scarcely be overestimated. We, perhaps, may begin to gather some conception how handicapped we would be in developing the wheat areas of the great Northwest were we without it, or were its original unnavigable stretches unspanned by canals.

Without her inland waterways to the sea Canada could not bring her grain from the "Golden West" and compete in the European market with that which was the product of other exporting countries.

Water transportation is the cheapest transportation. Before a committee of the Dominion Senate early in 1898, it was stated that the cost of deep-water transportation was only about one-tenth the average cost of rail transportation. It was also shown that what was done for $1 on the great lakes, in the way of carrying freight, costs the best situated railway in the United States $27 to do. It is obvious, therefore, aside altogether from its own inherent qualities, that the canal is a by no means unimportant factor in the regulation of railway freight rates. Even the somewhat opprobiously termed Lake Erie ditch, with its few feet of water, has compelled the railways to carry grain from Buffalo to New York at an extremely low rate. During the past season wheat has been carried by the railroads from the former to the latter point at 3½c. per bushel, a distance of 420 miles, and that included elevator charges at Buffalo and lighterage at New York.

It is obvious Canada cannot too jealously look after her inland waterways and canals. What is wanted is neither an extravagant nor a parsimonious policy in their management, but a liberal businesslike one. And one which will not only keep them in good condition, but that will induce more of the shippers of grain from the Canadian Northwest to use the Canadian instead of the United States route to the sea, to say nothing of United States grain that may be attracted thereto.

At present, only about one out of every five bushels of Canadian Northwest wheat exported travels to the seacoast via the St. Lawrence route. The other four bushels are shipped by United States ports.

The people of New York and Buffalo recognize the vast possibilities Canada has in her St. Lawrence route to the sea, and the improvements which have lately been made in that route have quite alarmed them, and an energetic campaign in favor of the improvement of the canal system of New York State has been inaugurated, in order that business may not be diverted from United States to Canadian routes. "That the Canadian canals have diverted American business," remarks the New York Journal of Commerce in a recent issue, "is certain, and that with the enlargement now completed they will divert more of it is highly probable."

Clearly, Canada cannot afford to go to sleep in the saddle.

When a merchant advertises in a good medium he gets into thousands of homes, and he does not have to get in by the back door either.

EXPECTING TOO MUCH.

It is quite possible to expect too much of a window display. The purpose of all advertising—and a window display is but an advertisement—is to attract attention to the virtues of the article advertised. It can never give virtue.

Great skill in advertising may enhance the virtue of an article. Lying may lead a buyer to believe it has virtue. But, after the goods are bought, the lie is discovered, and the buyer is henceforth suspicious of the honesty of the advertiser. So, then, the window display must not be expected to sell goods. It will draw attention to them.

If the attraction of attention to them does not increase sales, what can? Assuredly, not leaving them on a back shelf, and concluding that time and expense devoted to advertising, either in the local press or by means of window displays, will not pay.

It is quite common for a business to roll over and crush those who have not the energy to push it.

SAD IRONS ARE DEARER.

An advance of 10c. per set is announced in the price of Mrs. Potts sad irons.

No. 55 (plain) are now quoted at 80c. per set, and No. 50 (nickle-plated) at 90c. per set.

On all orders for 24 cases, one shipment, a rebate of 5c. per set will be allowed, and on 50 cases a rebate of 7½c. per set off the above figures.

The rubber trust ought to be able to stand a great deal of stretching before it breaks.

CUTTING IN THE PRICE OF ROPE.

A SOMEWHAT anomalous coudition exists in the rope trade in Canada. In the United States, for example, the price of manila rope is quoted at about 16¼c. per lb. to the retail trade. This, duty paid, would cost somewhere in the neighborhood of 19c. in Canada.

But our nominal quotations are several cents below this.

The cause of this is the cutting of prices by the two companies in Canada which are engaged in making manila and sisal rope.

With values in the primary hemp markets so strong, the slaughtering of prices at this time is likely to be costly for the participants.

In the meantime, it would appear to be a wise thing for the retail trade to put in good supplies, and that without much delay, as it is just possible that the low prices may induce such liberal buying that later on difficulty may be experienced in supplying it.

In the past, it has been customary for Canadian border towns to buy their rope in the United States market, but, with the Canadian makers cutting the price, it is possible that the order may be reversed and the dealers in the United States border towns may secure their supplies in Canada.

In view of the unsettled state of the markets we cannot term our quotations any other than nominal.

THIRTY-GALLON BOILERS LOWER.

A reduction of 50c. is announced in the price of 30-gallon range boilers. This makes the price $8.50 instead of $9.

The cause of the reduction is the competition of a cheap line of boilers which has been placed upon the market.

It takes a level-headed man to succeed in business, and yet a flat-headed man always proves a failure.

WIRE AND NAILS DEARER IN THE UNITED STATES.

Still another advance has taken place in the United States in wire and wire nails, prices having last week been worked up $3 per ton.

The price to retailers, f.o.b. Pittsburg, is now as follows: Wire nails, $3.10 per keg, in carlots; in less than carlots, $3.20 per keg. Barbed wire, $3.70 per 100 lb. in carlots; less than carlots, $3.80. Smooth wire, carlots. $2.95 per 100 lb.; in less than carlots, $3.05.

These advances have naturally imparted increased strength to the Canadian market, but no actual change in prices has yet taken place.

Do not, when a man is outfeating you in business, sit down and swear, but get up and get after him.

POOR SKATE TRADE IN BRITAIN.

WHILE the hardwareman in Canada has, during the last two or three winters, had a good demand for skates, it appears that his confrere in Great Britain has experienced conditions which are somewhat the opposite. This is evident from the following, which appeared in Ironmonger under the non-de-plume of "Vulcan":

In ordinary times the ironmongers would now be placing their orders for skates. Unfortunately, manufacturers and retailers alike have heavy stocks of these goods on hand, as the result of three successive mild winters. I hear that one Sheffield manufacturer, who regularly used to sell about 6,000 pairs by the end of September, can only muster orders for 600 pairs so far, and this example is a fair reflection of the position of the trade. It will need a very severe and prolonged spell of frost to shift the existing stocks and create a demand for new goods. A rather serious aspect of the situation is the discouragement it gives to the production of new patterns. A manufacturer who has 10,000 or 20,000 pairs of skates in his warehouse may be excused if he deprecates the introduction of novelties which might tempt buyers to neglect last year's patterns, but should foreign makers bring out something strikingly novel and attractive that manufacturer's position will not be an enviable one. There is hope for him, however, in the knowledge that the German skate manufacturers did not sell out last year.

There is nothing like price-cutting to hew your way to insolvency.

HIGHER PRICES ON PIPE IN TORONTO.

An advance of from 5 to 10 per cent. is announced this week by Toronto jobbers in the price of black iron pipe. The new quotations, together with those which preceded them, are as follows:

	New Prices.	Old Prices.
¼-⅜ inch	$ 3.90	$ 3.60
½ inch	3.90	3.70
¾ inch	4.90	4 70
1 inch	6.40	5.90
1¼ inch	8.10	7.85
1½ inch	10.40	9.75
2 inch	13.85	13.00

No change has so far been made in galvanized pipe.

NEW STEEL AND WIRE FACTORIES.

THE organization and incorporation of The American Steel and Wire Co., and the buying up of all the leading steel and wire plants in the Pittsburg district by that concern, resulted in one of the strongest combines that has ever been formed in the United States.

According to The New York Journal of Commerce, however, this concern is likely to have one, and possibly two strong competitors next year. The Union Steel Co. is the name of one of the organizations likely to soon start manufacturing rods, wire nails and wire. Connected with this company are Andrew W. Mellon and R. B. Mellon, of the well-known banking concern of T. Mellon & Sons, of Pittsburg, and Wm. H. Donner, president and manager of the Monessen plant of The American Tinplate Co., at Monessen, Pa. The present capitalization is $1,000,000, but it may be increased to $10,000,000 or more next spring, when it is proposed to start near Pittsburg a plant with a capacity of 600 tons of rods and 400 tons of wire per day. The active management of the concern, which will give employment to 1,000 men, will be in the hands of W. H. Donner.

The other quarter from which strong competition may possibly come is from the 25 concerns engaged in the woven wire fence bnsiness who now have to buy their steel wire from the combine. At a meeting of these concerns held in Chicago last week a committee was appointed to form a combination plan, which is to be reported at another meeting to be held this week. One of the firms interested, the Pittsburg Woven Wire Fence Co. is said to have an option on a plant, which, with small expenditure, could be made to produce 400 tons per day. It is proposed to organize a company with a capital of $2,000,000, which is said to be the actual value of the plant taken in, and with bonds for $1,000,000 for the erection of a new plant.

If either or both these propositions are carried through some keen competition may be looked for next year instead of combination prices and terms.

The businessman who desires to be introduced to nice people can find no better way than through the advertising columns of a reliable medium.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

JAMES BEMROSE, general merchant, Lefroy, Ont., has assigned to R. G. Campbell, Collingwood, Ont.

Amedee Bussiere, general merchant, St., Gregoire, Que., has assigned.

Wm. Belanger, general merchant, Pike Creek, Ont., has assigned to J. H. Carson.

M. Searles, general merchant, Frankford, Ont., has assigned to E. Saunders, Toronto.

A meeting of the creditors of A. J. McLean, general merchant, Manitowaning, Ont., has been held.

V. E. Paradis has been appointed curator of Eugene Raymond, general merchant, St. Anne de Beaupre, Que.

Slack & Co., dealers in picture frames, etc., Ottawa, have assigned, and a meeting of creditors will be held on the 31st inst.

F. W. Watkins, departmental merchant, Hamilton, has assigned to C. B. Armstrong, London, Ont., and a meeting of his creditors has been called for November 2.

J. Raymond & Co., general merchants, St. Anne de Beaupre, Que., have assigned. Geo. Lefaivre has been appointed provisional guardian, and a meeting has been called for November 3 to appoint a curator.

PARTNERSHIPS FORMED AND DISSOLVED.

Chapman & Co., general merchants, Virden, Man., have dissolved.

Gillan & Murphy, blacksmiths, London, Ont., have dissolved, James Murphy continuing.

Desaulniers & Co., general merchants, Ste. Anne de la Parade, Que., have dissolved.

Huestis & Mills, general merchants, Sussex, N.B., have admitted Arthur Keith as partner.

Partnership has been registered as general merchants by Provencher & Frere, Fecteau's Mills, Que.

J. G. and W. J. McDonald, general merchants, Duncan City and Whitewater, B.C., have dissolved.

McLennan & Jardine, carriagemakers, Chatham, Ont., have dissolved, Albert McLennan continuing.

S. Greenspon, general merchant, Hawkesbury, Ont., has admitted a brother into partnership under the style of Greenspon Bros.

Bickell, Marquis & Gelinas, general merchants, Montreal, have dissolved. The firm has been succeeded by Bickell & Marquis.

Pierre Duboid and Louis Fontaine have registered partnership under the style of Duboid & Fontaine, wood and coal dealers, Montreal.

Leonidas Frank Fournier and John Fournier have registered partnership under the style of Fournier & Frere, varnish dealers, St. Hyacinthe, Que.

Edward Cox, Geo. F. Johnstone and J. P. Dubberley have registered partnership under the style of the Fairview Sash and Door Factory, Vancouver.

SALES MADE AND PENDING.

W. B. Lamb, general merchant, Plumas, Man., is selling out.

The stock of John Burns & Co., manufacturers of steel ranges, Montreal, has been sold.

The stock of J. N. Fontaine, general merchant, Papineauville, Que., is to be sold on October 27.

The stock of Fleury, Hebert & Cie, hardware dealers, Montreal, has been sold at 75c. on the dollar.

The stock, etc., of the estate of L. Hamel & Co., general merchants, Mine Centre, Ont., are advertised for sale by tender by trustee.

The stock of Mrs. C. G. Levesque, general merchant, St. Flavie, Que., has been sold at 65½c. on the dollar to Ouellet & Belzel, St. Fabien, Que.

CHANGES.

Wm. Irvine, blacksmith, Birnam, Ont., has sold out to A. Rodgers.

J. H. Phillips, blacksmith, Blyth, Ont., has sold out to Wm. Robertson.

George Fisher, tinsmith, etc., Wyoming, Ont., has removed to Petrolea, Ont.

Kaake & Williams, painters' and builders' supplies, Trail, B.C., are giving up business.

A. S. Huff, general merchant, Northwood, Ont., is removing to Dover Centre, Ont.

Shook & Arnot, sawmillers, Slocan, Lemon Creek, B. C., have retired from business.

Worthington Bros., general merchants, Campbellville, Ont., have been succeeded by C. W. Anderson.

Duncan Hay, general merchant, Farquhar, Ont., will be succeeded by W. M. Alward on November 1.

George H. White, general merchant, Sussex, N.B., has sold out one branch to Huestis & Mills.

R. E. Broadfoot, general merchant, Macdonald, Man., has sold out to Andrew Caskey and R. Van Norman.

The business of the late James Fleming (the Phœnix Foundry), St. John, N.B., is being continued by his trustees.

Poustie & Leeson, general merchants, Aylmer, Ont., have been succeeded by W. A. Day, general merchant, Kingsville, Ont., who has removed to Aylmer.

FIRES.

J. P. Humphries, general merchant, Bracebridge, Ont., has been burned out; partially insured. Fenn, Anderson & Co., general merchants, of the same place, have suffered damage by water; insured.

H. M. Green, hardware dealer, Ridgetown, Ont., has been burned out.

J. B. Pharand, general merchant, etc., Hull, Que., has been burned out; insured.

The stock of Elias Pullan, dealer in scrap iron, etc., Ottawa, hes been damaged by fire; uninsured.

DEATHS.

Severin Cote, general merchant, St. Luce (Rimouski Co.), Que., is dead.

Toussaint Lapointe, coal and wood dealer, Ste. Cunegonde, Que., is dead.

ENGLISH IRON.

In spite of the large production of steel, puddling is not a lost art in Great Britain, and there was in 1898 an output of 1,115,699 long tons of wrought iron in various forms, remarks an exchange. More than half of this was bar iron, but production of angles and other shapes and of ship and boiler plates was large. The quantity of wrought iron made it not increasing, however, and last year it was less than in 1897 by 172,460 tons, or 13.3 per cent. Steel continues to grow steadily in favor, and even in a year of activity in the iron trade the number of puddling furnaces decreased, as well as the total production.

TO PRESERVE LAMP CHIMNEYS.

To prevent lamp chimneys from cracking, the following plan is recommended by a contemporary: "Place the lamp chimney in a pot filled with cold water and add a little cooking salt; allow it to boil well, then cool slowly. Chimneys become very durable by this process, which may be extended to crockery, stoneware, porcelain, china, etc. The process is simply one of annealing, and the slower the process, especially of cooling, the more effectual will be the work. If the glass chimney of a lamp be cut with a diamond on the convex side it will never crack, as the incision affords room for the expansion afforded by the heat."

WIRE NAILS
TACKS
WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

CANADIAN PRODUCTS WANTED.

THE following are among the inquiries relating to the Canadian trade lately received at the High Commissioner's London office :

An important firm of salesmen and Government contractors ask for the names of reliable shippers of timothy and mixture hay for delivery over the next three to six months.

Inquiry has come to hand from a Swansea house who desire to import cheese and butter direct. They point out incidentally the desirability of cheese being marked with correct date of make.

A Bradford firm are wanting to import direct from Canada cattle hides and other animal products, and request to be placed in communication with suitable firms.

White birch caps for mucilage bottles and brush handles for same, with rattle-shellac finish, are required in considerable quantities by a firm in London, who wish to correspond with a Canadian house manufacturing turnery which can supply demand promptly.

An inquiry has been received from Ireland for the names of a few shippers of Canadian barley.

The Antwerp agent of the Canadian Government has been requested by a Belgian house to furnish the names of some exporters of eggs from the Dominion.

Inquiry has again been received from Ireland for the names of a few good shippers of barley from Canada.

A firm of agents have requested to be placed in communication with a Canadian wall paper manufacturer who may desire to be represented in England.

The names of manufacturers of calcium carbide in Canada are again asked for.

A Midland firm inquire for the names of Canadian exporters of maize oil.

Exporters of doors, sashes, mouldings, etc., have been inquired for.

HARDWARE AND METAL will be pleased to forward to destination information that any of its readers can supply regarding the above.

THE MAN WHO PUTS IT ON

is the one who can best appreciate a good paint. That is why we talk with confidence to the Practical Painter. It is a fact that no painter can find a fault in

THE SHERWIN-WILLIAMS PAINT (PREPARED)

except from prejudice or the habit of mixing his own paint. One fair trial of S.-W.P. will remove the prejudice forever. The paint makes its own friends.

Any dealer who takes hold of our methods in earnest, can win his painters over to S.-W.P.—and S.-W.P. pays a good profit. You can prove the economy of time, labor and money in using S.-W.P., and prove that no paint prepared by hand will cover so much surface, wear so long or look so well. It is work that pays handsomely.

THE SHERWIN-WILLIAMS CO.
PAINT AND VARNISH MAKERS.

Canadian Division :
21 St. Antoine St.,
Montreal.

CLEVELAND.
CHICAGO.
NEW YORK.
MONTREAL.
BOSTON.
TORONTO.

AMONG TORONTO RETAILERS.

The Merchant An Artist.

We are all familiar with the answer given by a famous artist, who had discovered a process by which his colors kept better than did those of his contemporaries, to a friend who asked him what he mixed with his pigments. The single word in reply, "Brains," meant such a great deal that it is not surprising the story has been remembered. The merchant of to day finds that to make his business a success he must make his store attractive. This is much more true now than was the case ten, or even five years ago, and will be even more true of the merchant of ten years hence. And to make a hardware store attractive takes the study and ability of an artist. It takes thought to design improvements tending to bring the store to the highest point of attractiveness, and it takes ability to carry out such designs, and to the merchant who mixes brains with his attempts to improve the appearance of his store the reward will come—and reasonably soon, too.

Cutlery Displays.

There are many good window-trimmers in Toronto, but there are none who, with a limited window space at their disposal, make better or more effective displays than are made by A Nicholson, cutler, Yonge street. As Mr. Nicholson handles cutlery exclusively, his stock and his store are necessarily small compared with a regular hardware store or stock. But the attractiveness of the store or its window is not lessened in any way by its lack of proportions. By the use of striking and unique devices for displaying the various kinds of cutlery, the window is made decidedly attractive. A wooden stand, or shelf, fits the window at the back and sides, and coming to within a few inches of the front. This stand is about five feet above the walk outside, so goods shown on it can be readily examined. On this stand, table cutlery, etc., are shown. A different style of device is used to display each of the other kinds of goods shown. In them all, however, an axiom among artists—that there is greater beauty in curved than in straight lines—is kept in view. Penknives are excellently displayed by sticking them by the blade into the inner side of a small keg hoop. Razors are shown by sticking the finger end of the tang of the instrument into the circumference of a small block of cork. Scissors are made into another circular display by attaching the handles to a wire ring about eight inches in diameter, having the blades pointing outward, and held in position by a small ribbon twisted around each. As the blades of the knives are out and the scissors and razors sufficiently open, one can easily read from the street the name of the maker, and can examine style and finish. In the centre of each of the displays a small card gives all necessary information re prices, etc.

THE RAMBLER.

M. S. Sutton's hardware store in Andover, N. B., was broken into one night recently, and cutlery and pistols to the value of about $20, and about $3 in small change was stolen.

COPPER OUTPUT IN SEPTEMBER.

THE regular monthly statistics of copper production, as compiled by John Stanton, secretary of the Copper Producers' Association, show an output during September by United States reporting mines of 19,515 and by foreign reporting mines of 7,839 tons. The estimated output of non-reporting mines was 3,200 tons. These figures do not vary materially from those of August. Exports, however, fell from 10,920 to 7,553 tons in September, indicating the unwillingness of foreigners to buy at the high prices prevailing.

As compared with September, 1898, the output of domestic mines shows an increase of about 4,000 tons, while exports show a loss of about 3,700 tons. A detailed comparison follows :

	—September—	
	1899.	1898.
Produced—	Tons.	Tons.
By U. S. reporting mines.....	19,515	17,064
By outside sources (estimated).	3,200	1,700
By foreign reporting mines....	7,839	7,122
Exports	7,553	11,280

The market for Lake copper, which, for some weeks has been firm at 18½c., has eased off a little during the past few days. Some copper has sold at 18¼c., and it is reported that copper has been offered as low as 18c. This, however, is known as "outside" copper. Some of the large mines are not offering copper at all at present, as their output is well sold ahead. The higher rates for money have tended to restrict buying on account of the greater expense to consumers of carrying large quantities. A large buyer of copper, when questioned recently, said that he did not look for any break of consequence, but thought that the price might yield another ½c.—New York Journal of Commerce.

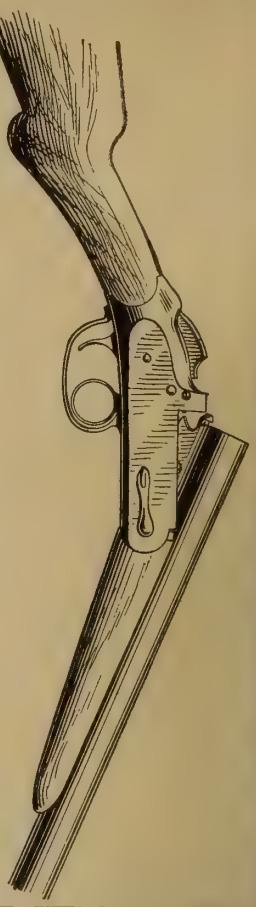
CEMENT FOR JOINING BRASS TO CHINA.

The following two kinds of cement are said to be suitable for joining brass to china; for example, for cementing china knobs to brass spindles, etc. The first is made by mixing a saturated solution of bleached india rubber in chloroform, with a concentrated solution of water-glass. This is a very powerful binding agent. The second is made by mixing 12 parts best Portland cement, 6 parts slaked lime, 6 parts fine sand, and 1 part infusorial earth, with soda-water glass into a thick paste. The surface of the brass to be cemented should never be smooth, as a smooth surface considerably lowers the adhesive properties of these cements. The spindles can, however, be easily serrated with a small file; the ridges thus made will assist in holding the cement. As these cements quickly become useless when exposed to the atmosphere, only such quantities should be mixed as are required.

Want a Gun?

— BUY AN —

IVER JOHNSON



The IVER JOHNSON

Ejector Single Gun.
New Principle.
No Top or Side Action.

Dealers who want good reliable single guns, to be sold at moderate prices, will find the new models of the Iver Johnson, Ejector and Top Snap, just the kind for their Fall business.

WRITE FOR PRICES.

Iver Johnson's Arms & Cycle Works

FITCHBURG, MASS.

IVER JOHNSON
Guns, Revolvers, and Bicycles
are Honest Goods at Honest Prices.

BRANCHES—
NEW YORK—99 Chambers St.
BOSTON—408 Washington St.
WORCESTER—304 Main St.

Use Gilbertson's Tinplates

for the following reasons:

They are heavily coated with Tin.
They are of soft Siemens quality.
They are noted for deep stamping qualities.
They are the best for canning purposes.
They cost NO more than inferior brands.

Gilbertson's make the following brands and qualities:

"Gwyned," Coke Finish,
"Regina," Coke Finish,
"Comet," Charcoal Finish,
"Lincoln," Charcoal Finish,
"Crown," Charcoal Finish,
"Pontardawe," Best Charcoal Finish.

BE PARTICULAR to ask for these brands when ordering from your jobbing house. They can be supplied in all sizes and weights.

GILBERTSON'S TERNEPLATES

"Regina" Brand

This is a superior plate and heavily coated—a good roofing plate that will give satisfaction to your customers.

Wholesale Only.

ALEXANDER GIBB

Agent for Canada. **22 St. John Street. MONTREAL.**

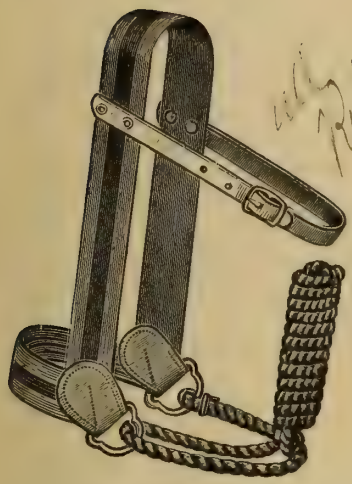
H. S. HOWLAND, SONS & CO.

WHOLESALE ONLY

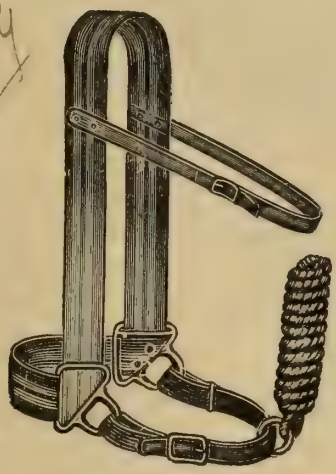
37-39 Front Street West, **Toronto.**

ONLY WHOLESALE

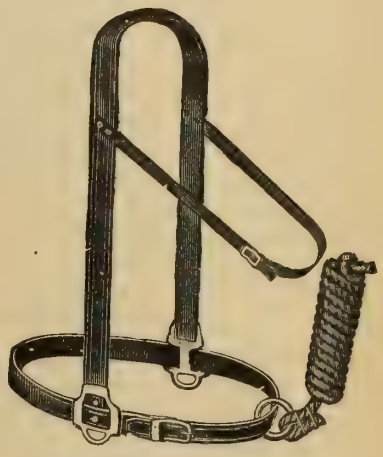
HALTERS.



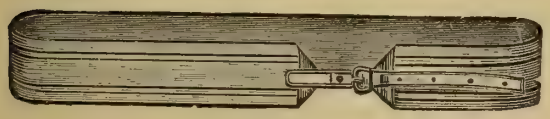
WEB HALTERS



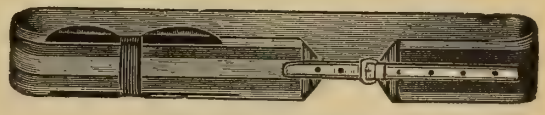
WEB HALTERS.
Adjustable



LEATHER HALTERS.

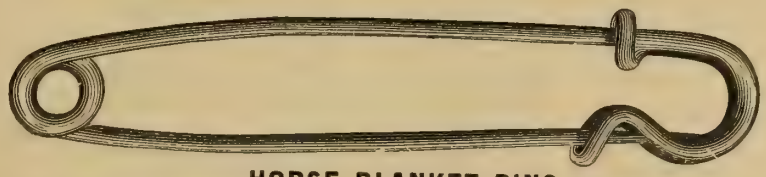


PLAIN GIRTHS.



PADDED GIRTHS.

HORSE BLANKETS.

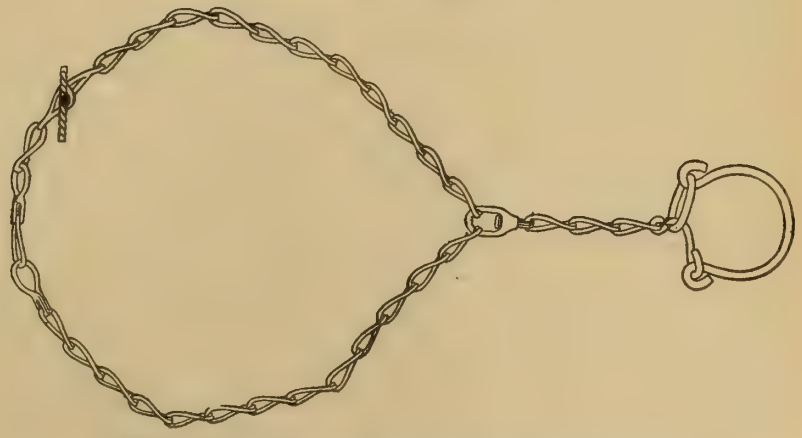


HORSE BLANKET PINS.

BUGGY RUGS.



COW CHAINS FOR STALL FIXTURES.
STALL FIXTURES.
LIGHT and HEAVY.



PERFECTION COW CHAINS (New Patterns).
Open, Closed Ring and Three Chain.

H. S. HOWLAND, SONS & CO., TORONTO

WE SHIP PROMPTLY.

OUR PRICES ARE RIGHT.

Graham Wire and Cut Nails are the Best.

TRADE IN OTHER COUNTRIES THAN OUR OWN.

TINPLATES IN WALES.

WRITING on Wednesday, our correspondent says: "Since our last, tin has dropped about £4 per ton, and the market at present is rather quiet. The opinion, however, is that we shall see £150 touched again within the next few days, and that this price will be well maintained for some time. Tinplate bars are very firm, and the price of tinplates is pretty much about the same as reported in our last. Some 'Frisco sales are reported during the past week at 15s. 3d. per box, f.o.b. Liverpool, for this year's delivery for I.C. 14 by 20, 112 sheets, 108 lb. There is also a fair demand for Russian oil sizes, and a fair quantity has been sold for November-December delivery at 15s. per box, f.o.b. Swansea. The demand from the continent is rather quiet, and a small business is reported at from 15s. 3d. to 15s. 6d. basis for the sizes required. The demand for black plate in all its stages of manufacture is well maintained.—Ironmonger, London, October 14.

TINPLATES IN BIRMINGHAM.

The Birmingham correspondent of an English trade paper says: "Tinplate-makers, both of Staffordshire and South Wales, are choked with orders. There was a large muster of the latter on 'Change, who declared the tendency of prices was in an upward direction. Leading makers secured heavy lines on account of America, Australia and Canada. Current sales were at the rate of 16 to 17s. per box for I.C. coke, delivered Liverpool, and 18 to 20s. for charcoal. Local makers are very full of orders. Black sheets for working-up purposes were advanced £1 per ton, making them £12 for singles, with usual extras for lattens."

BELGIAN WIRE RODS FOR CANADA.

The Belgian correspondent of Ironmonger, London, writes: "The wire-rod makers have within the last few weeks secured some good orders which, under less pressing circumstances of demand, would in all probability have been placed in Germany. One of the orders thus diverted to the benefit of our makers is for 840 tons of wire rods, which were done at a price equal to £9 4s. net cash f. o. b. Antwerp, and, be it noted, the order is for Canada. Those concerned in the transaction are not unnaturally elated."

NEW YORK METAL MARKET.

PIG TIN — The market was distinctly stronger. London sent in advices by cable quoting over £3 advance in prices of spot stock during the early part of the day, and New York holders moved their prices correspondingly, or to the basis of about 31.90 to 32c. for lots of five tons or more, spot or near future delivery.

COPPER — London was higher by about 12s. 6d. on merchant bars, in the face of "official" quotations of £1 5s. decline on best selected within a week's time. The local market is somewhat irregular at the moment, with prices variously quoted at 18¼ to 18½c. for Lake Superior ingot; 17⅝ to 17¾c. for electrolytic, and 17½ to 17⅝c. for ordinary casting stock.

PIG LEAD—The market is very steady at 4.60c. for large lots and 4.62½ to 4.65c. for single carloads, spot or near future delivery. There is, however, only ordinary jobbing business and merely fair demand for consumers or the jobbing trade. Speculative interest is seemingly dead, momentarily at least.

SPELTER—The market remains in rather slow condition, with prices somewhat variable, but more than faint indication that purchases could have been made at 5.30 to 5.40c. for prompt or near future shipment.

ANTIMONY—Regulus is steady at 9¾ to 11c., according to brand, and selling very fairly in a jobbing way.

TINPLATE—The entire market is momentarily rather slow, and prices remain without other than ordinary fluctuation.

IRON AND STEEL.—There is no really new feature in the market for pig iron. Buyers in this locality are placing only comparatively small orders, yet doing enough to hold prices very steady.

Old material is in fairly active demand and selling to very fair extent at prices in line with our quotations.—New York Journal of Commerce.

TO ANALYZE GLUE.

TWO new methods have recently been proposed for the analysis of glues. Stelling recommends the estimation of the non-gluey material; Fels proposes estimating the viscosity of the solution of the glue.

Stelling's process consists of adding to a solution of glue (1 part of glue to 4 parts of water) alcohol at 96 degs., in small quantities at a time, while constantly stirring (we take 15 parts of glue and 60 parts of water, and make up to 250 c. c. with alcohol). We then determine the proportion of non-gluey matter present by evaporating down an aliquot part of the alcoholic solution, previously filtered, and weighing the residue. This process is thus based on the supposition that alcohol at about 72 per cent. in volume leaves the glutine intact, while it dissolves the products of decomposition, considered as non-gluey material. Glutine is not entirely insoluble in alcohol at 72 per cent, inasmuch as, on evaporating down the filtered alcoholic solution, we obtain a residue consisting principally of glutine, and possessing a strong adhesive power, almost equal to that of the original glue employed. Nevertheless it cannot be denied that Stelling's process has a certain value—very small, it is true—for the valuation of glues; above all when we have to deal with products of a superior quality, products containing substances soluble in alcohol, in qualities much smaller than are presented in ordinary glues.

Fels's method—that is, the determination of the viscosity—can also give very useful indications, but here again there are certain reservations which must be made. The viscosity is determined at 25 degs. with an Engler viscosimeter. I claim to have discovered that solutions of glue undergo—after more or less prolonged time of standing—modifications from the point of view of fluidity. In this way, a freshly prepared solution had a viscosity of 90, but after standing for 24 hours it had assumed a gelatinous consistency. Another solution underwent the following modification: Its degree of viscosity was 3.7 after two hours, 4.8 after 24 hours, and 5.4 after 48 hours.

I would here recall that the process I described some years ago now, while being somewhat more complicated than the above, merits more confidence in judging the value of a glue. This process consisted in measuring the consistence of the jelly formed by 100 grms. of glue and 300 grms. of water. As far as the adhesive power is concerned, I have shown by numerous experiments, that, from this special point of view, the glue from bones—which is of a decidedly inferior quality—is quite as good as that made from skin, which is of superior quality, It is quite another matter in so far as the consistency of the jelly is concerned. The researches which I have carried out in this direction lead me to the conclusion that the jelly derived from glues from skins is generally firmer than the jelly derived from glues from bone.

In the examination of a glue it must not be forgotten to notice the smell; this characteristic may give very useful indications as to the resistance of the product, and its tendency or not, towards putrefaction; with regard to the above, skin glues are much better than those made from bone. Finally, the proportion of acid present in a glue is a matter of capital importance for certain purposes for which it is required. The method I have proposed for the estimation of free and combined sulphurous acid, has once more enabled me to satisfy myself that glues from skin are superior to glues from bone. The determination of the water, ash, and fatty matters gives less important indications.

Established 1860. Incorporated 1895.



Galvanized Kitchen Range Boilers

The "INVINCIBLE"

Tested to 150-lbs.

Made in the following sizes:

25, 30, 35, 40, 52 gal.

PRICES ON APPLICATION.

The Thos. Davidson Mfg. Co., Limited

MONTREAL.

NEW HOT MALLEABLE ALLOY OF COPPER.

JOHANNES C. BULL, a Swede, living in London, has recently, according to an exchange, produced an alloy of copper which is an exception to the rule that alloys of copper, tin, and zinc are brittle when hot and cannot be forged. The alloy in question is patented in the United States. It can be rolled or forged at red heat, and yet have the hardness necessary for general use. The inventor thus states his claims:

"According to my invention I use copper as nearly chemically pure as is commercially and practically obtainable, and as the purity of the copper is absolutely essential for the production of my improved alloys, I use the best brands of electro-deposited copper, which, so far as I know, is the purest copper that is commercially obtainable, and to this copper I add from 2 to 4¾ per cent. of tin, stir well, and pour in the ordinary way into ingots, which are capable of being rolled, forged or drawn into bars, sheets, tubes and wire.

"In practice, I find it useful to add a small proportion of deoxidizing material—for instance, phosphorus, preferably in the form of copper phosphoid—before adding the tin. When phosphorus is used as a deoxodizing agent, it is, however, necessary to take care that the amount added is not so great that any appreciable quantity of it is left unoxidized in the alloy, and in no case should more than .1 per cent. of phosphorus be added to the copper if the highest malleability is desired. In proportion as more phosphorus is added the malleability at a red heat will be reduced and the metal hardened, which, for many purposes, is disadvantageous.

"Sodium may also be used beneficially as a deoxidizing agent in the form of sodium-tin, the purer the better. This deoxidizing agent has the advantage that if an appreciable quantity thereof is left unoxidized in the alloy it does not effect the malleability to the same extent as phosphorous. As a rule, not more than .15 per cent. to .2 per cent. of sodium should be added. Where special means are taken to melt the cast the alloy in a non-oxidizing atmosphere, the addition of the deoxidizing agent becomes unnecessary, except where harder alloys are desired even at the cost of some reduction in malleability.

"I have also discovered that the addition of mercury in very small quantities greatly improves such alloys of copper and tin, rendering them more tough and malleable. In making my improved alloys containing mercury, I prefer to first amalgamate the mercury with the tin, using from 2 to 4 per cent. of mercury. I add up to about 4¾ per cent. of this tin amalgam to the copper, which may or may not have had a small proportion of deoxidizing material added to it.

"By this invention a large range of new and useful malleable alloys of copper and tin can be produced."

WELSH VS. UNITED STATES TINPLATES.

At the monthly meeting of the Swansea Harbor Trust on October 9, Sir John Jones Jenkins, M. P., according to an exchange, said, although the Americans possessed machinery for turning out larger quantities of plates per mill than was the case in many Welsh works, the quality of their plates was not equal to that of the Welsh plate, and consequently the latter class of goods when shipped to the United States realized a larger price than did the domestic plates. That was a point to be kept in view, because the time would come when the Americans would not only make all their own plates, but would compete with Welsh tinplate manufacturers in other countries. So long, however, as the Welsh turned out an article superior to that of other countries, so long would their trade flourish.

Fred Seager has opened a hardware store in Crediton, Ont.

MARKETS AND MARKET NOTES.

QUEBEC MARKETS.

MONTREAL, October 27, 1899.

HARDWARE.

THERE is a brisk movement in general hardware this week, as buyers are anxious to get all the supplies they can forward before railway freights advance to their winter basis, which they are expected to do on November 1. No radical changes are noted, but values all around are firmly held.

BARBED WIRE—Remains quiet and unchanged at $3.40 to $3.50.

SMOOTH STEEL WIRE—A moderate business is noted and values are firmly held on the basis of $3 35 per 100 lb.

GALVANIZED WIRE—Without new feature. We quote: Nos. 6 to 8, $3.80; No. 9, $3.25; No. 10, $3.85; No. 11, $3.95; No. 12, $3.40; No. 13, $3.55; No. 14, $4.25; No. 15, $5.25, and No. 16, $5.40.

FINE STEEL WIRE - Remains at 12½ per cent. discount.

BRASS AND COPPER WIRE—Steady. Discounts 50 and 2½ per cent. on brass and 45 and 10 per cent. on copper.

FENCE STAPLES—As last quoted, $4.15 for galvanized and $3.55 for bright.

FINE STAPLES—We quote: Coopers' staples, 50 per cent.; poultry netting, 45 per cent., and electrical, etc., 40 per cent. discount off list.

WIRE NAILS—There is a fair volume of trade in these, and prices are steady at $3.35 f.o.b. Montreal. Miscellaneous nails, 72½ per cent. off list.

CUT NAILS—The movement of these is considerable, and prices are steady, at $2.60 base, f.o.b. Montreal, etc.

COPPER WIRE NAILS—Discounts are 50 per cent.

FLOUR BARREL NAILS, ETC.—Firm; flour barrel nails, 20 per cent. and coopers' nails 25 per cent. off list.

BOAT NAILS—Unchanged at 30 per cent.

GALVANIZED ROOFING NAILS—Base firm at 8c. with 10 per cent off list.

HORSE NAILS—Trade fairly good and prices firm, Discounts 50 per cent. off on standard and 50 and 20 on Acadia.

HORSESHOES—There is a good trade doing. We quote as follows: Iron shoes, light and medium pattern, No. 2 and larger $3.70; No. 1 and smaller, $3.95; snow shoes, No. 2 and larger, $3.95; No. 1 and smaller, $4.20; X L steel shoes, new light pattern, No. 2 and larger, $4.00; No. 1and smaller, $4.25; featherweight, all sizes, Nos. 0 to 4, $5.25; and toe weight steel shoes, all forward, all sizes $6.35 f.o.b. Montreal, St. John, N.B., and Halifax, N.S. Delivered f.o.b. in Toronto, Hamilton, London and Guelph 10c. per 100 lb. extra.

SCREWS—Business continues fairly brisk. Discounts: Flat head, bright, 80 per cent; round head do., 75; flat head, brass, 75; round head do., 67½.

BOLTS—An active trade is being done. Discounts are: Carriage bolts, 5-16 and smaller, 55 per cent.; ⅜ and up, 50 per cent.; full square bolts, 65 per cent.; machine bolts, 55 per cent.; coach screw bolts, 67½ per cent., and sleighshoe bolts, 72½ per cent.

NUTS AND WASHERS—In fair request. We quote as follows: Square, 3¾c. and



One Size, No. 30.
Circumference of Wick, 10 inches.
Capacity of Oil-Tank, ¾ gallon.
Height over all, 32 inches.
List Price, each, $9.10.

ALUMINUM COAL OIL HEATER

FOR COAL OIL ONLY.

EVERY PART MADE OF SHEET METAL.
NO CASTINGS TO CRACK.

HEAT WITHOUT LABOR

Produces a Round Flame

Of great heating power, **without smoke or smell.**

The top cover can be removed for the boiling of water, etc.

The planished steel body, with aluminized trimmings and nickelled urn, make it an ornament, and in keeping with the best furnished room or office.

During the Fall Nights

They save lighting the furnace or grates.

Base Burners Need Not be Put Up

Till winter sets in, and can be taken down earlier in spring when an "Aluminum" is used, making a **saving on the coal bill.**

On Extremely Cold Nights

They will assist your furnace, and can safely be used in a cellar or kitchen to **prevent the water pipes from freezing.**

For the heating of a bed-room, parlor, dining-room, office, barber shop, etc., they cannot be excelled.

For Prompt Shipment Order from McClary's. THE McCLARY MFG. CO., LONDON, TORONTO, MONTREAL, WINNIPEG, VANCOUVER.

Apollo is perfect. The best definition of "perfect" in galvanized iron is: Apollo.

Apollo Iron and Steel Company, Pittsburgh.

Cements { PORTLAND, ROMAN, KEENE'S

Bricks . . { FIRE, BUILDING, PAVING

Sand . . . { SILICA FIRE, MOULDING, BUILDING

F. HYDE & CO.
31 Wellington street, MONTREAL

English Castor Oil
GUARANTEED PURE.
Pharmaceutical, Tasteless, Cold Drawn
First Pressure
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In cases of 2 tins and in barrels. Stocked by all Hardware, Oil and Color men.
The Hull Oil Manufacturing Co.
LIMITED
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Agents for Canada - MONTREAL

CANADA IRON FURNACE CO., Limited
Manufacturers of
CHARCOAL PIG IRON
MONTREAL.
BRAND "C.I.F." THREE RIVERS
PLANTS AT
Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.
Geo. E. Drummond,
Managing-Director and Treasurer

hexagon 4¼c. per lb. Washers in 50-lb. boxes are 35 to 40 per cent. discount.

RIVETS—Trade keeps fair. Discounts are: Black and tinned, 45 per cent.; ditto burrs, 40 per cent.; copper rivets and burrs, 35 per cent.

CORDAGE—There has been a decline in rope all round of ½c. We quote: Manila, 14½ to 15c. for 7-16 and up, and 15½ to 16c. for ⅜ up. Sisal, 12 to 12½c. for 7-16 and up, and 13 to 13½c. for ⅜, and up. This decline is not due to any weakness in the market for raw hemp, but simply to enable the legitimate to compete with the prison-made article.

CEMENT—There is a scarcity on spot and prices have advanced from 5 to 20c. We quote: Belgian, $2 to $2.30; English, $2.35 to $2.50; German, $2.50 to $2.70. Canadian brands are 30 to 50c. higher at $2.20 to $2.40.

FIREBRICKS—Firm and unchanged at $17 to $23 per 1,000 as to brand.

METALS.

The metal market fully maintains its firm tone, and there is a good movement of heavy material, all the more so as railway freights will soon advance.

PIG IRON—The strength of this material is unabated, and sales of round lots of Summerlee have been made at $26.50, and small quantities cannot be had under $27.

BAR IRON—This is firm and somewhat higher under a good inquiry at $2.35 to $2.40.

BLACK SHEETS—There is a good movement in these. We quote: 8 and 15, $2.60; 18 and 20, $2.30; 22 and $24, $2.50; 26, $2.60, and 28, $2.65.

STEEL—Firm and unchanged. We quote: Sleighshoe, $2.80; tire, $2.85; spring, $3.10; machinery, $3.60, and toe calk, $3.30.

GALVANIZED IRON—Demand is brisk for this material, and prices are firm. We quote: No. 28 Queen's Head, $4.65 to $4.90, and No. 26, $4 40 to $4.65; Comet, No. 28, $4.35 to $4.60, and No. 26, $4.05 to $4.35.

INGOT COPPER—This metal is steady at 19½c., but large quantities are quotable at 19c.

INGOT TIN—There is a firm feeling in tin, with prices steady at 37c., with round lots 1c. less.

LEAD—The feeling is strong in lead, and prices are held at $4.25.

LEAD PIPE—Fairly active and steady. We quote ordinary 7c., and composition waste 7½c. with 17½ per cent. off.

IRON PIPE—Jobbers are asking more money this week and orders are more numerous. We quote: Black pipe, ¼ to ⅜, $3.40; ½, $3.60; ¾, $4; 1, $5.75; 1¼, $7.50; 1½, $9.75, and 2-in., $12.75.

"Dominion Crown"
HORSESHOE IRON.
Always the standard for high-class work.
IMPORT ONLY.
A. C. LESLIE & CO.
MONTREAL.

ADAM HOPE & CO.
30 JOHN STREET N.
Hamilton, Ont.
GALVANIZED SHEETS
"QUEEN'S HEAD"
"COMET"
"APOLLO B B"
"JUNIATA"
STEEL SHEETS
20 to 28 Gauge
TIN PLATES
CANADA PLATES
SHEET ZINC
RUSSIA IRON

NOVA SCOTIA STEEL CO.
Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
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Open Hearth Steel

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TINPLATES — These are strong, with round lots of cokes changing hands from $4.40, and we quote: $4.40 to $4.50, with charcoal $4 75 to $5.

CANADA PLATES—Equally firm under a good demand. We quote as follows: 52's, $2.60; 60's, $2.70; 75's, $2.80; full polished, $3.25; galvanized Canada plates, $4.55 for 52's.

TERNE PLATE—Firmly held at $8.

SWEDISH IRON—Unchanged at $3.50.

COIL CHAIN—While there is no quotable change, values point upwards, and may advance before the week is out. We quote: No. 6, 11c.; No. 5, 9½c.; No. 4, 8½c.; No. 3, 7 ½c.; ¼-inch, $6.25; 5-16, $5; ⅜, $4.50; 7-16, $4.35; ½, $4.25; 9-16, $4.20; ⅝, $4.10; ¾, $3 90; ⅞ and 1 inch, $3.80.

JACK CHAIN—Unchanged at 35 per cent. on steel and 40 per cent. on brass.

SHEET ZINC—Firmly held at 7½ to 7¾c.

ANTIMONY — Strongly held at 11 to 12c.

SPELTER—As last quoted at $6.50.

GLASS.

There is a good movement in window glass. We quote: First break, $1.90; second, $2 for 50 feet; first break, 100 feet, $3.60; second, $3.80; third, $4.25; fourth, $4.50; fifth, $5; sixth, $5.50, and seventh, $6.

PAINTS AND OILS.

There is a good movement in paints, and prices are firmly held all around. Lead and mixed paints meet a fair inquiry. Linseed is firm at the recent advance, and still higher prices are anticipated. Turpentine continues strong, also, and some of the sanguine importers confidently expect to see this product selling up to $1 per gallon in the immediate future. Prices all around are as last quoted. We quote:

WHITE LEAD—Best brands, Government standard, $6.37½; No. 1, $6; No. 2, $5.62½; No. 3, $5.25.

DRY WHITE LEAD—$5.25 in casks; kegs, $5.75.

RED LEAD—Firm; casks, $4.75; in kegs, $5.

WHITE ZINC PAINT—Pure, dry, 8c.; No. 1, 6½c.; in oil, pure, 9c.; No. 1, 7½c.

PUTTY —We quote: Bulk, $1.65; bladders, in bbls., $1.80; bladders, in cases, $1.95; in tins, $2.05 to $2.30.

LINSEED OIL — Raw, 59c.; boiled, 62c., five to nine-barrels, 1c. less, ten and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—Single barrels, 77c.; two to four barrels, 76c.; five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Firm; $1.10 to $1.30 per gallon.

CASTOR OIL—Firm; 7½ to 8c.

SEAL OIL—35c.

COD OIL—32½ to 35c.

NAVAL STORES—Fair demand for all lines, and prices show no change: Resins, $2.75 to $4.50, as to brand; coal tar, $3 to $3.50; cotton waste, 4½ to 5½c. for colored, and 6 to 7½c. for white; oakum, 5½ to 6½c., and cotton oakum, 9 to 11c.

PETROLEUM.

Demand is good and prices are firm. We quote: "Acme," 17½c.; "Silver Star," 16½c., and Pratt's "Astral," 21c.

HIDES.

Unchanged. We quote: Lambskins, 65c. Beef, 7½ to 9½c., as to grade.

COAL.

There is an active demand. We quote: Stove, $5.75; chestnut, $5.75; egg, $5.50; Scotch grate, $6; Scotch steam, $4 to $4.50; Tower ports steam, $3.50 to $3.75.

MONTREAL NOTES.

Rope has been marked down ½c all around.

Cement has advanced from 5 to 20c. in price.

Importers here predict that turpentine will be selling up to $1 per gallon in the near future.

The Syracuse Smelting Works Co. report business in all lines good. They are handling large quantities of scrap iron and steel, and have lately secured some very large lots from old steamship wrecks.

ONTARIO MARKETS

TORONTO, October 27, 1899.

HARDWARE.

THE volume of business is not as large as it was a week ago. There is still a nice trade, however, being done, and confidence in the future is just as strong as ever. A few changes have taken place in prices during the week. Mrs. Potts sad irons are quoted 10c. per set higher. Rope, on the other hand, is lower, on account of competition and not on account of any weakness in the market. Wire nails continue in fair demand, but there is not much doing in wire of any kind. An excellent trade is being done in cutlery. Sporting goods are fairly active. Building paper is in good demand and scarce. Sleigh bells are going out well. Holiday goods generally are going out freely. A good many steel snow-shovels are being shipped. A nice trade is reported in fall specialties.

BARBED WIRE—There has been a further advance of 15c. in prices in the United States, but in Canada figures are as before. The quotation f.o.b. Toronto is $3.40 to

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON' KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
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COVERT MFG. CO.
West Troy, N.Y.
DERBY SNAP.
With Plated Rust Proof and Guarded Spring.
"THE LATEST AND BEST."
For Sale by all Jobbers at Manufacturers' Prices.

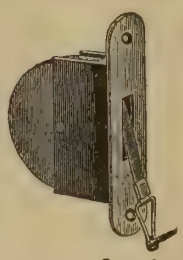
PRIEST'S CLIPPERS
BALL BEARINGS

Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
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COATES' CLIPPERS

HAND AND POWER, easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel, and will not heat. 1899 catalogue ready.

Coates Clipper Mfg. Co.
WORCESTER, MASS.


Pullman Sash Balance Co.
Makers of the
"Pullman" Hardware Specialties
Main Office and Works,
Rochester, N.Y., U.S.A.
On sale all round the globe.

Sizes, ⅜ and ½-inch.

Cheapest IN THE WORLD.
J. M. LITCHFIELD
105 Beekman St., New York.
Made with 1¼-inch shank with thread and nut.

PERSONS addressing advertisers will kindly mention having seen their advertisement in Canadian Hardware and Metal Merchant.

$3.50 per 100 lb. according to quantity. To-day's price f.o.b. Pittsburg is $3.70 in carlots to retailers and $3.80 in less quantities.

SMOOTH STEEL WIRE — The demand continues to ease off, and the volume of business is now small. Prices, while 15c. per 100 lb. higher in the United States, are unchanged here at $3.35 base per 100 lb.

GALVANIZED WIRE — Trade is still quiet. We quote: Nos. 6, 7, 8 gauge, $3.60; No. 9, $3.10; No. 10, $3.70; No. 11, $3.75; No. 12, $3.20; No. 13, $3.45; No. 14, $4.10; No. 15, $4.70; No. 16, $4.85.

WIRE NAILS — Orders are, as a rule, for small quantities, but business is, on the whole, fair, notwithstanding. Quotations have been advanced 15c. per keg in the United States, but prices in Canada are unchanged at $3.30 for ordinary quantities, and $3.22½ in carlots.

CUT NAILS —Although trade is generally termed quiet, the volume of business in cut nails for the month will probably be larger than usual. There were a good many cut nails shipped early in the month in anticipation of the advance, which is doubtless the cause of the larger business. Prices are unchanged at the $2.60 base f.o.b. Toronto, Hamilton and London.

HORSE NAILS—The demand good. We quote: Standard, oval head, 50 per cent.; Acadia countersunk head, 50 and 20 per cent.

HORSESHOES — Business continues good. We quote f.o.b. Toronto, Hamilton, London and Guelph: No. 2 and larger, light, medium and heavy iron shoes, $3.80; snow shoes, $4.05; light steel shoes, $4.10; featherweight shoes, all sizes, $5.35. No. 1 and smaller, light, medium and heavy iron shoes, $4.05 per keg; iron snow shoes, $4.30; light steel shoes, $4.35; featherweight steel shoes, all sizes, $5.35.

SCREWS—An active trade is still to be noted. We quote: Flat head bright, 80 per cent. off the list; round head bright, 75 per cent.; flat head brass, 75 per cent.; round head brass, 67½ per cent.; flat head bronze, 67½ per cent.; round head bronze, 62½ per cent.

BOLTS—Business is still active, particularly for stove bolts. We quote: Norway bolts, full square, 65 per cent.; common carriage bolts, 5-16 and under, 55 per cent.; ditto, ⅜ and larger, 50 per cent.; ditto, full square, 65 per cent.; machine bolts, all sizes, 55 per cent.; coach screws, 67½ per cent.; sleighshoe bolts, 72½ per cent.; blank bolts, 55 per cent.; bolt ends, 62½ per cent.; nuts, square, 3¾c.; nuts, hexagon, 4¼c.; tapping nuts, 60 per cent.; tire bolts, 60 and 10 per cent.; stove bolts, 60 and 10 per cent.

CRIMPED GALVANIZED IRON

For Cornice Work, etc.

CORRUGATED IRON

Galvanized or Painted—for Roofing, Siding, Ceilings, etc.



Made from the best American or English sheets—supplied in any required size and gauge.

SEND US YOUR SPECIFICATIONS

Have You Our Catalogue? It gives full information about all our fireproof building materials.

THE METALLIC ROOFING CO., Limited

1179 King St. W., TORONTO,

ROPE—On account of competition among the manufacturers, prices are purely nominal on sisal and manila rope. We quote as follows: Sisal, 7-16 in. and larger, 12½c. per lb.; ⅜ in., 13c.; ¼ and 5-16 in., 13½c. Manila, 7-16 in. and larger, 15c. per lb.; ⅜ in., 15½c.; ¼ and 5-16 in., 16c.; New Zealand, 11c. per lb.; Deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 10c. Clotheslines, 48 feet, 90c.; 60 feet, $1.20; 72 feet, $1.50; 100 feet, $2.

RIVETS AND BURRS—As for some time, business in this line keeps fair. We quote: Carriage section, wagon box, rivets, etc. (steel), 60 per cent. off the list; ditto (Norway iron), 60 per cent.; black M rivets (steel), 55 per cent.; ditto (Norway iron), 45 per cent.; iron burrs, 40 per cent.; copper rivets, 35 per cent.; bifurcated, with box, $1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

WRINGERS—Trade keeps fair. We quote: "Leader," $60 per doz.; "Royal Canadian," $58; "Royal American," $48. Prices are all f.o.b. Toronto, Hamilton, Brockville, and Montreal. Discount, 45 per cent. Terms, four months, or 3 per cent. 30 days.

CHURNS — A fair trade at unchanged prices is to be noted.

BUILDING PAPER—The demand for building paper is good, and some difficulty is being experienced in filling it. We quote as follows: Plain building, 28c. per roll; tarred lining, 35c., accordding to quality; tarred roofing felt, $1.40 per 100 lb.; carpet felt, $2.75 per 100 lb.

ENAMELED WARE—The easing off in the demand noted last week has continued during the past week. The discounts are: "Princess" ware, "Turquoise" ware, blue and white ware, and white ware, 50 per cent.; "Diamond" ware, "Famous" ware, "Premier" ware, 50 and 10 per cent.; "Granite" or "Pearl" ware, "Imperial" ware, "Crescent" ware, 50, 10 and 10 per cent.

TINWARE — Is moving fairly well. In such lines as coal hods, stove boards, oil cans, a good seasonable demand is being experienced.

STOVES AND FURNACES—The continued mild weather has been most acceptable to the stove and furnace manufacturers as it has materially assisted them in filling their unusually large orders. "It is the most fortunate thing that could have happened for us," remarked one manufacturer. Discounts: Stoves and ranges 45 and 5 per cent.; furnaces, 40 and 5 per cent.; registers, 60 per cent.

SNOW SHOVELS—There is a good demand for steel snow shovels at $3.10 per dozen.

SAD IRONS—Mrs. Potts sad irons have been advanced 10c. per set. We now quote No. 55 (plain) at 80c. per set, and No. 50 (nickle-plated) 90c. per set. A rebate of 5c. is allowed on orders for 24 cases at one shipment, and of 7½c. on orders for 50 cases.

CEMENT—The activity in the demand, which has been maintained later into the season than was expected, has resulted in a shortage of both Canadian and imported cements. Both Belgian and English cements have advanced 25c. per bbl. The Canadian article has not yet been advanced.

John Bowman Hardware & Coal Co.,

LONDON, ONT.

Our Fall stock is now complete and we can supply at the best figures, **AXES, SAWS, LANTERNS, CORDAGE, CHAIN, WINDOW GLASS, PAINTS, OILS,** etc. Our importation of **CUTLERY, SKATES, ENGLISH GUNS, SHOT SHELLS, BLACK and SMOKELESS POWDER, SHOT, WADDING,** etc., now in.

Our Motto: Prompt Shipment, Right Prices.

We quote as follows in barrel lots: Canadian Portland, $2.65 to $2.90; Belgian, $3 to $3.10; English do., $3.25; Canadian hydraulic cements, $1 to $1.10; calcined plaster, $1.90; asbestos cement, $2.50 per bbl.

CUTLERY—A good trade is being done in pocket and table cutlery and in butcher knives.

SPORTING GOODS—Trade is good, a nice demand being experienced for ammunition, rifles, guns and revolvers. The United States manufacturers of cleaning rods, loaders, recappers, powder and shot measurers, etc., have advanced prices 10 to 25 per cent.

HORSE CLIPPERS—Jobbers have been advised of an advance in the price of horse clippers and plyers of German manufacture.

MECHANICS' TOOLS—A good brisk trade is being experienced in this line.

METALS.

The metal market continues on the whole strong, with the demand fair. Iron has recovered from its recent weakness, but copper is rather easy. Our quotations on iron pipe are higher, and on 30-gallon range boilers 50c. lower.

PIG IRON—The demand is still brisk and prices firm. We quote No. 1 Hamilton iron at $24 f.o.b. cars at the furnace.

BAR IRON—Business in this line continues active and the base price firm at $2.35 to $2.45 per 100 lb.

GALVANIZED IRON—The demand continues active, and a good many orders are being booked for spring delivery. The chief demand is for English, although a few American lots are going out. Wholesalers report that they have to keep the price of the latter down pretty low in order to effect sales. For case lots of American they quote $4.60, and for less than case lots $4.75. English iron is quoted at $5, but this figure can be shaded for case lots.

BLACK SHEETS—Trade continues active in this line. A good many large lots are going out. We quote 28-gauge unchanged at $3.25.

COPPER—The outside markets have shown a little easier disposition, but there has been no change locally. Trade is active in sheet copper, but in ingot copper there is not a great deal doing. We quote: Ingot copper, 20 to 21c. per lb., and sheet, 23 to 23½c. per lb.

PIG TIN—There is a fair movement, and the outside markets are firmer. London advanced £3 per ton on Wednesday. Locally, prices are unchanged at 37c. per lb.

CANADA PLATES—There is a fair, although not a heavy, movement. The import season is over for the present. All-bright are quoted at $3.25; half-polished at $2.85, and all dull at $2.75.

TINPLATES—While there are a few going out, no orders for large quantities are reported. There is a little better demand for tinned sheets.

IRON PIPE—The feature of the situation is an advance in jobbers' prices of black pipe. We quote as follows: Black pipe, ¼ to ⅜ inch, $3.90; ½ inch, $3.90; ¾ inch, $4.90; 1 inch, $6.40; 1¼ inch, $8.10; 1½ inch, $10.40; 2 inch, $13.85; 2½ to 6 inch, discount off the list 50 per cent. Galvanized pipe is quoted as follows: ½ inch, $6.50; ¾ inch, $8; 1 inch, $11.50; 1¼ inch, $16; 1½ inch, $20; 2 inch, $28.50.

LEAD PIPE—Trade continues quiet and prices are unchanged. We quote: Ordinary pipe, 7c., and waste, 7½c. per lb.

PIG LEAD—The market is steady and the demand fair, at 4½ to 4¾c. per lb.

RANGE BOILERS—Owing to the competition of cheap boilers, a reduction of 50c. has taken place in 30-gallon galvanized boilers. We quote: Galvanized, 30 gals., $8.30; 35 gal., $10; 40 gal., $11. Copper, 30 gal., $22; 35 gal., $26; 40 gal., $30; discount off copper boilers, 10 per cent.

SHEET ZINC—Trade is just moderate at 8 to 8¼c. per lb.

SPELTER—Business active and heavier than for some time. Prices are unchanged at 7½ to 7¾c. per lb.

SOLDER—The demand is still good. We quote: 21 to 22c. for half-and-half; 20½ to 21½c. for refined, and 20 to 20½c. for wiping.

ANTIMONY—There is a little more business doing in this line than there was. We quote: Cookson's unchanged at 11 to 11½c. per lb.

PAINTS AND OILS.

A large movement of linseed oil has been noted this week, in anticipation of an advance in prices. The advance has been made. It amounted to 2c. all around. Turpentine, on the other hand, has shown an easier tendency in the South, and declines there have been followed by a drop of 2c. per gal. here. A good general business is noted, mail orders being especially frequent. White and red leads, varnishes, prepared paints and sundries are all in good demand. With the exception of linseed oil and turpentine, all materials are steady at unchanged figures. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $6.50; No. 1, $6.12½; No. 2, $5.75; No. 3, $5.37½; No. 4, $5; dry white lead in casks, $5.75.

RED LEAD—Genuine, in casks of 560 lb., $5.00; ditto, in kegs of 100 lb., $5.25 to $5.50; No. 1, in casks of 560 lb., $4.75; ditto, kegs of 100 lb., $5.

LITHARGE AND ORANGE MINERAL—Litharge, 6 to 6½c.; orange mineral, 7½ to 8½c.

WHITE ZINC—Genuine, French V.M., in casks, $7 to $7.25; Lehigh, in casks, $6.

PARIS WHITE—90c.

WHITING—55c. per 100 lb.; Gilders' whiting, 85c.

GUM SHELLAC—In cases, 20c.; in less than cases, 24c.

PLASTER PARIS—Ordinary, $1.75 per barrel; New Brunswick, $2 to $2.20 per barrel.

PUMICE STONE—Powdered, $2.50 per cwt.

in barrels, and 4 to 5c. per lb. in less quantity ; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, $1.10 per gallon ; No 1 quality, 90c. per gallon.

SEAL OIL—59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9c. per lb. and 10c. for single tins.

LINSEED OIL — Raw, 1 to 4 barrels, 61c.; boiled, 64c.; 5 to 9 barrels, raw, 60c.; boiled, 63c.; 10 to 15 barrels, raw, 57c.; boiled, 60c.; 16 to 30 barrels, raw, 56c.; boiled, 59c. The prices for from 10 to 30 are strictly f.o.b. point of shipment, while delivery to any point in Western Ontario is included in the price of 1 to 9 barrels.

TURPENTINE—Single barrels, 75c.; two to four barrels, 74c., freight allowed; in less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

GLASS.

An excellent demand for window glass continues. Import arrivals continue to come to hand in fairly liberal quantities. It is now thought that orders of star glass will be delivered before the close of navigation, but some dealers state that there is little chance that all double diamond can be got in in time. A shortage of plate glass is noted, and the discount has been reduced from 40 to 35 per cent. Ornamental glass is also rather scarce, and is in big demand. Prices are firm throughout. We quote window glass as follows : Star, first break in 50-foot boxes, $2.15, and in 100-foot boxes, $4; double diamond under 25 united inches, $6, Toronto, Hamilton and London; terms 4 months or 3 per cent. 30 days.

OLD MATERIAL.

There is a good demand at steady prices. Deliveries continue large. We quote: Agricultural scrap, 55c. per cwt.; machinery cast, 60c. per cwt.; stove cast scrap, 45c.; No. 1 wrought scrap, 55c. per 100 lb.; new light scrap copper, 12½c. per lb.; bottoms, 11c.; heavy copper, 15c.; light scrap brass, 7½c.; heavy yellow scrap brass, 10c.; heavy red scrap brass, 11c.; scrap lead, 2½c.; zinc, 3c ; scrap rubber, 4¾c.; good country mixed rags, 65 to 75c.; clean dry bones, 45 to 50c. per 100 lb.

PETROLEUM.

A good steady trade is reported. Prices are firm. We quote: Pratt's Astral, 17¾ to 18c. in bulk ($1 extra for barrels); American water white, 17¾c. in barrels ; Photogene, 17¼c.; Sarnia water white, 16¾c. in barrels ; Sarnia prime white, 15½c. in barrels.

COAL.

A general firmness is manifested. The demand keeps brisk. We quote anthracite for October delivery at Buffalo and bridges : Egg, stove, and nut, $4.75 per gross ton, or $4.24 per net ton ; grate, $4.50 per gross ton or $4.01 per net ton.

MARKET NOTES.

Black iron pipe is quoted higher.

Turpentine has declined 2c. per gal.

Linseed oil has advanced 2c. per gal.

Mrs. Potts sadirons are 10c. per set dearer.

Thirty-gallon range boilers are quoted 50c. lower at $8.30.

A good demand is reported by H. S. Howland, Son & Co. for their new "Samson" steel snow shovels.

H. S. Howland, Sons & Co. are just in receipt of advices of a shipment of Elliot's cutlery, consisting largely of ivory and celluloid-handled table and desert knives, carvers and steels. There are also butchers' knives and razors in the shipment. The firm expect to be able to complete all back orders early next week.

A BLACKSMITH'S EPITAPH.

A traveler in Suffolk, England, writes that the following epitaph is borne by a tombstone over the grave of a blacksmith in Harktead :

My sledge and hammer now declined,
My bellows have quite lost their wind,
My fire's extinguished, my forge decayed,
My vices in the dust, all laid.
My coals are spent, my iron is gone,
My nails are driven, my work is done.
My fire-dried corpse lies here at rest,
My soul, smoke-like, is soaring to be blest.

WHAT WILL MR. SLASHER DO LATER ON ?

We frequently, remarks an exchange, hear of hardware and stove dealers advertising like this : "Prices of stoves are way up, but nevertheless John Slasher can sell you stoves at last year's prices. He bought his large stock of both cook and heating stoves very early; before the raise in price." Mr. Slasher is either trying to catch the unleary customer, is underselling a competitor, or has on hand old and out-of-date stock. But what will Mr. Slasher offer after he has put in his new stock purchased at current prices ? His competitor is running these lines alongside of the above : "The 'Steel Everglade,' the best range in existence, Houston sells it. He also sells all the celebrated 'Evergreen' heating and cooking stoves, the best stoves made in America." Prices are not mentioned and all Mr. Houston has to do is to deliver the goods. He must really sell the best grade, or lose his trade, and become the greatest sufferer, to the benefit of his competitor ; and in selling the best, he secures the best class of customers. It is better to build on merit than cut prices.

The Montreal-Manitou Mines Co., Limited has just been incorporated, with headquarters in Ottawa.

The Kingston Locomotive Works will make additions to its buildings and plant to the extent of about $50,000.

The Winnipeg Free Press states that track frontage on the C. B. R. is becoming valuable, and a large amount of frontage has changed hands this year, many of the coal dealers and contractors securing sites. Fully a thousand feet have changed hands in the last seven months at figures unobtainable a year ago. It is said that an offer was made for a lot east of the depot of over $100 per foot and refused.

76,800 Daily Production
5 Factories
5 Brands
For Sale all over the world.



16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of America.

NICHOLSON FILE CO., Providence, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited. Established 1773.

Manufacturers of **Polished, Silvered, Bevelled Chequered, and Rough Plate Glass.** Also of a durable, highly-polished material called "**MARBLETTE,**" suitable for Advertising Tablets, Signs, Facias, Direction Plates, Clock Faces, Mural Tablets, Tombstones, etc. This is supplied plain, embossed, or with incised gilt letters. **Benders, Embossers, Brilliant Cutters, etc., etc.** Estimates and Designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow 12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glass, St. Helens." Telephone No. 68 St Helens.

Barrett's Glass Cutters Standard

Barrett's Practical Glass Cutters are the standard the world over.



Sold by more Hardware Dealers than all other makes combined. Send for prices and sample. W. L. BARRETT, Manufacturer, Bristol, Conn., U.S.A.

THE LATE WILLIAM A. GUNN.

IT was with regret that those in the hardware and stove trades heard of the death of Mr. William A. Gunn, secretary of the McClary Manufacturing Co., Limited, London, Ont.

Mr. Gunn was taken seriously ill in August last, and since that time he had been confined to his home, dying on Saturday last. Bright's disease was the cause of death.

He became actively connected with the McClary Manufacturing Co. twelve years ago, assuming the secretaryship, a position for which he was eminently qualified. His energy was untiring. Never being satisfied with a mere superficial knowledge of any detail of the business, he persisted until he was in reality master of it. As one who was long associated with him remarked to HARDWARE AND METAL, "he had a voracious appetite for work."

He was highly esteemed by those who knew him, and those who knew him best liked him most.

The city of his death was the city of his birth, he having been born in London 50 years ago.

In addition to his duties as secretary of the McClary Manufacturing Co., he was a director of the Ontario Loan and Debenture Co.

Deceased leaves a wife and six children, namely, Helen, John, George, Kenneth, Dorothy and Stuart. Mrs. Gunn is a daughter of Mr. John McClary, president of the company.

The funeral took place on Tuesday, and, although it was supposed to be private, there was a large turnout of citizens and of employes of the company. Of the employes, there were no less than 350 men from the factory alone, to say nothing of the office staff.

HARDWARE AND METAL begs to extend its sympathy to the bereaved relatives and friends of the deceased.



The Late William A. Gunn.

THERE WAS AN EXCEPTION.

On a sleeper on a Texas railroad train recently, according to an exchange, a traveling man noticed an old white-bearded gentleman trying to get on a linen duster. The young and spry traveler rushed to his assistance, and in helping him with his garment he noticed a good sized bottle of whiskey protruding from one of the inside pockets of his coat. Being of a waggish nature he appropriated the bottle, got the coat on the stranger and then pulling out the flask said :

"Will you take a drink, sir?"

The old man did not recognize the bottle, and drawing himself up, remarked rather severely : "No, sir ; I never drink !"

"It won't hurt you," insisted the wag ; "it's the best."

"Young man," said the old gentleman, in a tone intended for the whole car, "if you insist on drinking whisky you will be a ruined man at 40. It is the curse of the land. When I was a boy my mother died, and the last thing that sainted mother did was to call me to her dying bedside and say : 'John, swear to me that you will never touch a drop of liquor.'"

Here the old man clapped his hand to his pocket and found it empty, and recognizing the bottle in the hands of the traveler, he continued :

"'Except, my dear boy, an occasional snifter while traveling,'" and reaching for the flask he pressed it to his lips amid a howl of laughter which shook the car.

L. T. Joudrey is about to start a hardware business in Campbellton, N. B.

A despatch from Grand Forks, B. C., states that Harry Gager purposes establishing a smelter in that place. At present a small furnace will be installed, but, as soon as it is demonstrated that low-grade ores can be successfully treated in it, a large smelter will be built.

FUNCTION OF THE "AD."

The true function of an advertisement is not to attract attention, although it should do that. It is not to display the writer's ready knowledge of English, though it should be bright, interesting and well written. The true function of an ad. is to sell goods, and to this end it must be sensible and sincere.

Many who can put arguments intelligently and forcibly to customers in talking with them, are all at sea when it comes to writing an advertisement. A desire to be funny throws him out of his course, and he makes statements at utter variance with each other.

The following advice from The Mississippi Valley Lumberman is just as applicable to any other line of business as to lumber :

"It is not difficult to make an ad. attract attention—a catchy cut will do that. The thing about an ad. which takes thought and study is that subtle quality which convinces men that they are buying lumber at the wrong place, unless they are buying it from the advertiser. This is the thought you should have in mind when you write an ad. * * * The kind of ad. which convinces people is straightforward, strong, nervy, pithy, pointed argument, driven home with sledgehammer blows. There is an everlasting difference between the ad. with life and strength in it, and the ad. which merely attracts attention. The one has snap and vigor, is forceful and logical. The other has a few fancy phrases, which catch the eye for a moment, cause a smile, perhaps, and are forgotten."

A BUSINESS DIRECTORY.

John Lovell & Son have just issued their "Classified Business Directory of Montreal for 1899–1900." It is complete and is handily arranged, and, containing as it does, much valuable miscellaneous information, it should meet with the approval of business men. The price is $1.50. The directory has met with such success heretofore that the publishers have decided to issue it yearly.

AGENTS FOR MAGNOLIA METAL.

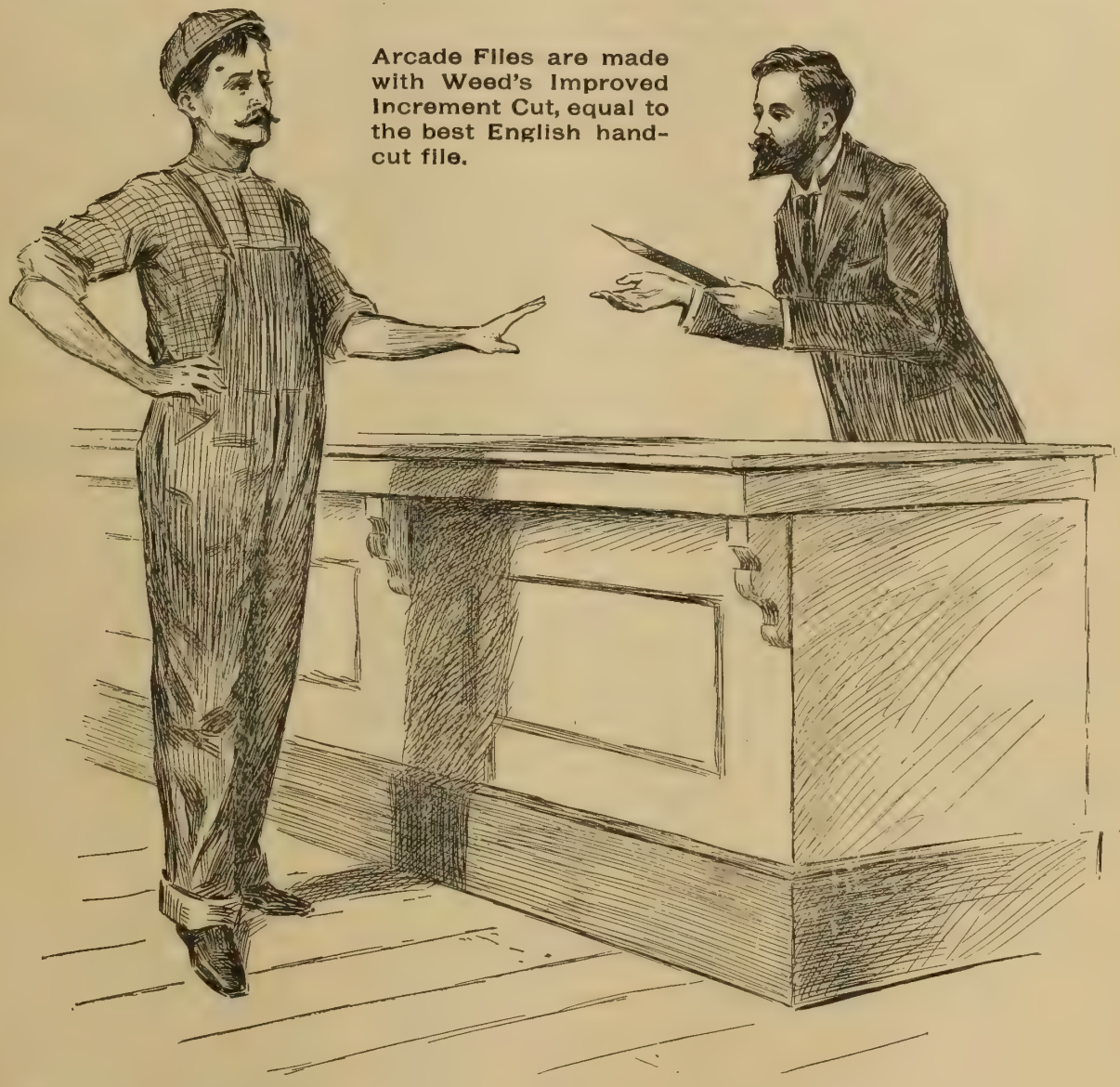
The Magnolia Metal Co., of New York, have recently completed arrangements whereby the Q. & C. Company, of Chicago and New York, become the exclusive agents for the railroad trade for "Magnolia" metal for the United States, Mexico and Canada, and The Metal Sales Company, 15 South Water street, Cleveland, Ohio, have been appointed sole agents for Ohio, Indiana and Michigan.

The WORLD'S GREATEST FILE WORKS

ESTABLISHED 1842.

There is no other file "just as good."

THE ARCADE IS THE BEST



Arcade Files are made with Weed's Improved Increment Cut, equal to the best English hand-cut file.

"I want an ARCADE file."
"We are all out of ARCADE files. Try this; it is just as good."
"No, Sir. I want the ARCADE. It cuts faster and wears longer than any other file made."

THE ARCADE FILE WORKS

NEW YORK:
97 Chambers St.
SAMUEL W. ALLERTON,
President.

Works: ANDERSON, IND.
COURTLANDT C. CLARKE,
Sec. and Treas.

CHICAGO:
118 Lake Street.
ALFRED WEED,
Vice-President and Gen'l Mgr.

HEATING AND PLUMBING

THE APPRENTICESHIP QUESTION.

THE following clever remarks are decidedly pertinent to the much-talked-of apprenticeship question of the day. They are taken from The Scranitonian, and, says Plumbers' Trade Journal, open a line of thought of which the poetry is robbed of its beauty by the cold and bare truthful facts:

"All men are not constituted alike, hence the diversity of talents and the excellence of some men when compared with others. An average standard is attainable, however, if the man's requisites to attain it are employed, and while the discrepancies already alluded to can never be wiped out, they may at least be greatly modified and reduced to a minimum.

"Nowhere else is the fact of man's inequality set forth so strikingly as in the labor field.

ONE MAN FINDS WORK,

readily at all times, and commands a top-notch price without difficulty, while another equally steady and industrious, finds it barely possible to earn enough to support his wife and family. The usual answer when such a problem is presented for discussion is simply that one man has more brains or is cleverer than the other. In some instances this reply will hold good, but not in all by a long shot; as a matter of fact, the difference has been created more by conditions or force of circumstances than anything else and had both men started with equal advantages, they might have gone through life side by side and equally prosperous.

"Have you ever mingled with youths ranging from 16 to 18 years of age, and noted how few of them are learning trades? Ask them what their plans are for the future, and three out of every four will tell you they don't know. Ask their parents a like question, and the answer will be the same, they don't know what their sons will do for a living in after life, nor do they seem to care. All the majority of parents seem to care for is that they bring in money, and as much of it as their services at a given age will command; as for the future, let it take care of itself, that's the boy's lookout. Parents, such a course is neither fair to the boy, nor true to the God who entrusted him to your care to make a man out of him. It is simply

A VERY MEAN WAY

of shirking your bounden duty, and if it affords you any consolation to have this fact presented to you in plain English you are welcome to it.

"Under the Mosaic law, parents were bound to teach their sons a trade, thus, Saul of Tarsus, although born of rich parents, was made a sailmaker, and those familiar with the story of his life know of what advantage his trade was to him in later years. Now the parents won't take the trouble to mold the boys' will, and by kindly influence or firm decision, if need be, compel him to serve an apprenticeship, and so make him independent for all the years that are to come, if he preserves his health.

"On the contrary, Johnny (18) drives a wagon to-day, because his mother says he's fond of horses; six months later he's rough painting or priming the walls of a frame house because he got the offer of a dollar a week more, and a year after he's probably doing the rough work around the store or market. When he reaches the age of 22 or 23 years and he should be earning a man's pay at a recognized trade, he's still as far away from it as ever, or, if the serious aspect of the situation does strike him, he tackles something

THAT HE'LL GET EASILY THROUGH

with, picks up all he can get in a hurry, then goes to a strange town and palms himself off as a journeyman in their adopted trade, which, in all conscience, he cannot be said to have learned. Then, he joins the union, adds one more to the list of incompetents who degrade and destroy organized labor, and who's to blame for it? The young man's father and mother.

"But, is there no remedy for this deplorable condition which enables the foreign taught tradesman to step in and take the bread and butter out of the native's mouth?

"What then, is the remedy for existing conditions? Let the labor organizations take up the apprenticeship question fully and earnestly, and let it be a condition of membership that no new applicant can be received who has not served a given number of years consecutively to learning the trade. Let there be a specified age over which he cannot be indentured, and conditions making it compulsory on the part of his employer to teach the learner everything connected with the trade. This rule rigidly followed, the incompetents will soon be driven to the wall, and there will be fewer complaints among contractors that many men cannot earn the wage demanded. In other words, a high average will be reached in the near future, and while men will still be found who excel in their line, the average efficiency will be very, very much improved."

PLUMBING AND HEATING NOTES.

Henault & Co. are starting as contractors in Montreal.

Sicard & Lepine, plumbers, St. Henri de Montreal, have dissolved.

Pierre Lecles, jr., has registered as proprietor of Pierre Lefebvre & Fils, plumbers, Montreal.

Charles J. Gordon has registered as proprietor of The Universal Home Gas Co., Montreal.

Valleyfield, Que., is steadily growing, and a large number of new houses are being erected.

J. A. Gillies, M.P., intends erecting a three-storey stone and brick business block, 60 x 60 feet, in Sydney, N.S.

The Merchants Cotton Company have decided to erect a new hosiery mill. They have also an extension under way for holding machinery, boilers, etc.

An exceedingly large amount of jobbing is being done this month. As usual, everyone rushes in on the same day, and, having put off repairs till the last minute, cannot wait longer. This is one of the trials which the plumber has to endure.

The new Colonial Print Works Co. are putting up large buildings at St. Henri, P.Q. The structure will consist of a main building and two wings, solid brick, with stone foundation. Main building, 412 x 62 feet; wings, 180 x 62 feet and 150 x 64 feet, respectively.

PLUMBING GOODS IN EATON'S.

Some little comment has been aroused in the trade by the news that the T. Eaton Co., Limited, the Toronto departmental, had commenced handling plumbing supplies. For some time this firm has been handling gas stoves, heaters, and fixtures, etc., but it seems that they are trying to get a better foothold in the plumbing business, for they have now a display of plumbing goods in their basement. As, however, this new display consists in a solitary bath tub and a few bathroom supplies, the regular plumbers can safely wait for further developments before feeling anxiety lest the departmentals, in their peculiar way of doing business, should cut into their trade.

STEEL MASTS AND CONDUCTOR PIPES.

YACHT racing is not regularly in the tinker's line, but blowing about it, now that tin masts are used, is one of his rights, and led up to a pretty stiff breeze about the strength of these steel spars, says "Tin Horn," in Metal Worker. We had about loaded the wagon with the stuff to be returned from a big job that had been completed, and there was a disposition to swell the driver with a yarn about their strength. The little "jour." was a supple chap, and he picked up a shingling lath about 10 feet long, and, after a short run, made a pole vault with it into the wagon, and stood ready to receive some 3 inch conductor pipe, which was the last thing to be put on. The other "jour." spun the driver a yarn about the strength of a circular body of thin material, and that was the reason they made steel masts for the yachts instead of using a clumsy, thick wooden one, that would weigh a lot more. He told the driver to feel the difference in the weight of a 10-foot section of the leader, made of IX tin, and the stick the little "jour." had used, and said the leader would do just as well for a pole.

The driver challenged him to test it. After considerable more emphatic explanation of the enormous strain the steel masts would stand, and that the leader pipe would hold him all right, he backed off and used it for a pole, jumping into the wagon, being very careful, however, not to bear too much weight on it. He bowed to the driver and passed him the pipe, and motioned to him to try it himself. The driver, not to be outdone, made the attempt in a clumsy, lumbering way, and put too severe a strain on the pipe, and it collapsed, so that he landed on his back, with one leg in the wagon and one under it, and with most of the wind taken out of his sails, so to speak. He thinks he knows more now about strong construction than the big "jour.", and insists that the first test did not count.

THE NEW C. P. R. WINNIPEG HOTEL.

The new depot and hotel which the C.P.R. intends erecting in Winnipeg will be a magnificent structure, six storeys high in the main portion, and extending 208 feet on Main street and 320 on Higgins street. The general architectural design is a composite one, embracing a combination of modern and classical styles, the whole presenting an appearance of great beauty along with substantiality. The cost of the building, including train sheds and new general offices, will be in the neighborhood of $1,000,000.

PLUMBING AND HEATING CONTRACTS.

McKinley & Northwood, plumbers, Ottawa, have contracts for plumbing and hot-water heating residences for James Hope, Elgin street; H. C. Monk, Lisgar street; J. E. Edwards, Theodore street; Architect M. C. Edey, Somerset street; Geo. Goodwin, Theodore street; Capt. Wood, McLeod street; M. O'Hearn, Somerset street; for steam-heating All Saints' Church, Chapel street; and for plumbing, steam-heating and installation of laundry machinery in the Windsor Hotel, Ottawa.

Blouin, Desforges & Latourelle, Montreal, have contracts for heating and plumbing St. Jean Baptiste Church and Nazareth Asylum; also, for the heating of Dupuis Freres' departmental store and Mr. Burland's house.

The contract for heating and plumbing the church at Mile End (St. Louis) has been given to Cadieux & Briard, Montreal.

Paddon & Nicholson, Montreal, have the contract for heating the buildings of the Cotton Company at Chambly, P. Q.

David Ouimet, Montreal, has the contract for roofing Melcher's Gin and Spirit Works at Berthierville, P. Q.

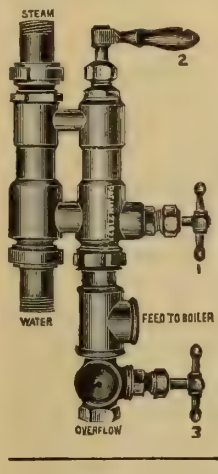
One of the progress in the Canadian Northwest is the great increase in sales of land this year. One company reports its September sales double that for the same month last year, and the railway land sales, largely farming lands, show large increases over previous years. Most of the sales are to actual settlers, and every settler that goes into the Northwest means an increase in the demand for staple goods from the East.

One of the
LEADING WHOLESALE HARDWARE HOUSES
in Montreal to-day is

SEYBOLD, SON & CO.,

Established 30 years.

Carrying a complete assortment of HARDWARE, from a Needle to an Anchor.



THE . . .

HANCOCK INSPIRATOR

This old established machine is proving itself universally the best Boiler Feeder for all uses.

Over 2,000,000 Sold.

Is a double tube machine. Has stronger working power than single tube machines.

The genuine manufactured only by

THE

James Morrison Brass Mfg. Co., Limited,

TORONTO

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY. MONTREAL.

HARDWARE BUSINESS FOR SALE.

Established twenty years on Main St., Winnipeg, Mantoba. Satisfactory reasons for selling. First-class stand with all modern fittings — unexpired lease. Apply to CAMPBELL BROS., Winnipeg, Manitoba. (tf)

FOR SALE.

A NEW MARLIN RIFLE

Never been used. Just the Rifle for practice. Price $30. Will take $20.

19 Board of Trade, Montreal.

The Syracuse Smelting Works

ARE MANUFACTURERS OF

Plumbers' and Tinsmiths' Solder

of highest quality. Highest market prices paid for old Brass and Copper.

SYRACUSE SMELTING WORKS

MONTREAL.



B. B. Wrought Ornamental Pipe Straps.

(PATENTED)

MADE ALSO IN MALLEABLE IRON.

These are a distinct advance over the old plain straps, being much stronger and neater.

Write for Catalogue and Prices.

BERGER BROS. CO.

Tinners' Hardware and Roofers' Supplies,

Factory at Germantown Junction. **PHILADELPHIA.** Office and Stores, 231 and 237 Arch Street

Toronto Foundry Co.

Manufacturers of SOIL PIPE, FITTINGS, SINKS, BOILER STANDS.

Nos. 146-148-150 Niagara Street, TORONTO

The only Exclusive Manufacturers of Soil Pipe and Soil Pipe Fittings in Canada. . . . . .

All goods stamped T. F. Co. are warranted

CANADA IS WILLING.

THE following is from a recent issue of The Hardwareman, Birmingham, England :

"We make no apology for again returning to the subject of Canada. During the past 18 months we have repeatedly urged British manufacturers to cultivate this market. Our Special Commissioner, writing from Canada last autumn, went most carefully into the subject, and gave clear and specific directions how the trade was to be obtained. During this period trade has been abnormally active all over the world, and the speculative spirit has been abroad. In business this means a disposition to sell to risky customers for big profits. We do not quarrel with this so long as the steady, reputable markets are concurrently cultivated. Our complaint is that this has not been done. A vast volume of business has been transacted with semi-civilized races, and many losses must eventually result as a set off against great gains. All the time the Canadian buyer is quietly wondering why he should be neglected. True, he will not buy at fancy prices. It is equally true that he has a mind and a will of his own. He wants certain goods and patterns, and means to get them, but he is willing to pay a fair price, and his business is practically permanent. Further, there is undoubted evidence that the Canadian prefers to deal with Great Britain, other things being equal ; and we have enough respect for the British manufacturer not to insult him by suggesting that he always wants the preference with an inequality in his favor. Under these circumstances we venture to reiterate that British hardware manufacturers are not sufficiently alive to the possibilities of the Canadian market.

"Not content with our own testimony in this matter, perhaps these two letters may serve to reassure any doubters. The first comes from Mr. Daniel Schulte, a veritable world-traveler. We asked him to send us a few lines on the Rossland District, and herewith append his letter :

DEAR SIR,—I hasten to give you some news about trade in Rossland. I interviewed a few of the leading firms, and the following is what I understand from what they say: An excellent chance exists for business around Rossland, and, owing to advances in prices in the United States, people prefer to deal with Great Britain, which, they say, is not sufficiently represented in their districts. Few English travelers visit these markets. Trade is booming immensely in above district, and, as the towns grow, more direct importing will be done. What is required on the spot is usually not stocked with Vancouver and Victoria agents, for European firms and buyers prefer, therefore, to receive suitable catalogues from manufacturers and buy direct. German goods are not much in use, but more American. It is all a question of price, and how manufacturers push their trade.

I beg to enclose a letter from Messrs. Hunter Brothers, whom I can strongly recommend to British exporters. They state, as references, the Bank of British North America, and do a large trade. Perhaps you might mention their name in any article based on this, my present report, stating that the firm is open to receive catalogues, etc. The next best firms in the hardware import trade are Messrs. Martin Brothers and Mr. J. W. McBride, all at Rossland.

I shall be back in England by the end of January, 1900, when I shall visit Russia and Siberia.

In South America I shall be from November till January, and, as requested, I shall send you from Buenos Ayres a list of the best buyers.

"The second letter is a corroboration of the first. It reads :

DEAR SIR,—Referring to the conversation of our Mr. James Hunter with yourself on yesterday, regarding the hardware business of this section, we would further state, that this branch of our business has been very satisfactory, and the outlook is very promising. The large demand constantly arising keeps our buyers on the watch for the best markets. This refers principally to pipe, bar iron, and steel, sheet and tank steel, boiler plate and shovels, articles that are used in large quantities by our miners and smelters. Owing to the rapid advance in prices of these lines in the United States, we are in a position to treat with English firms should we be placed in communication with them.

HUNTER BROTHERS,
General Merchandise,
Rossland, B.C.

"This satisfies us that our previous utterances on this subject have not been, in the least, exaggerated."

SULPHUR IN SICILY.

The extraction of sulphur in Sicily, the principal producing country in the world of that article, gives occupation to no less than 30,000 persons. The production amounted to 3,000,000 tons in 1897, which grew to 3,200,000 tons in 1898. In the former year there were 642 works in operation, and in the latter year 695. The exports of sulphur in 1897 amounted to 427,823 tons, and in 1898 to 462,393 tons. The increase was due mainly to larger demands from the United States on account of the war with Spain, though most of the sulphur cargoes were shipped in British vessels. The principal ports of loading were Emporia, in the Province of Girgenti ; Catania, Sicata and Palermo. In 1898 the principal buyers were : The United States, 142,553 tons ; France, 95,000 tons ; continental Italy, 60,919 tons ; Germany, about 27,000 tons, and Great Britain, with Malta, only 26,487 tons.

"KLONDYKE" SAMPLE HOLDER.

J. S. Bennett, 20 Sheridan avenue, Toronto, has obtained the sole right to manufacture the "Klondyke" sample holder in Canada. The holder is simple, cheap, easily adjusted, and permits samples to be removed quickly and without being tarnished.

HALF IN JEST.

"THAT'S a queer family next door." "Why do you say so?" "They own a $50 dog and borrow our flatirons."

Many a burning truth is told in jest. The little squib at the top of this paragraph proves that. It is only a joke, but it points a moral that fits the condition of a good many stores — the one with elegant, big plate-glass show-windows in which the ragged little display so awkwardly fixed appears ridiculous. Elegant appointments and a shabby stock. A bluff at a big store and a beggarly assortment to back it up won't go. Yet, it is the commonest bluff we meet nowadays. Sooner or later the bluff is called and goes to swell the total of so-called business failures.

Consistency in storekeeping is not the commonest virtue we have. It seems singular that merchants do not meet their immediate situation more comprehensively. Within 200 miles of New York there is a prosperous city of more than 100,000 population. It has several good stores and a number of commonplace ones. Nine-tenths of the population is comprised of the families of workingmen, mechanics and men who earn their bread by the sweat of their faces, whose needs are simple and common in character.

Not a store in that whole city caters directly to the trade of those laboring thousands. In all that city there isn't a rough-and-ready store that positively makes it a business to look out for the wants of the class they all depend on. The diffident wife of one of those mechanics or laborers grows shy at the tawdry elegance of those stores that, she argues, has to be paid for, and would, no doubt, much prefer to trade in a shop that puts on fewer airs and sold her the goods she wanted at a satisfactory price. When the right sort of a store hits that town some of those gingerbread aristocrats will find out the difference.

Extravagance is a sin against good storekeeping—extravagance of the kind that increases the cost without adding to the convenience of doing business. On a certain street in New York are several elegant stores and one sensible one. In that locality the great majority of the people are wage workers. That one store is consistently modest in its appointments—no rosewood, mahogany or polished quartered oak—is a busy beehive compared to the others.—The Buyer.

THE ONE-PRICE WAY.

The records of the two-pricers and hundred-percenters are written on the tombstones of thousands of mercantile graves—a fatal error. This is a new age—a new era of retailing. The buying public is educated up to the one-price basis. They like it. It's a success.—Prosperity.

PAINTMEN FOR THE TRANSVAAL.

TWO of The Sherwin-Williams Co.'s men are leaving with the Canadian contingent for South Africa: Pte. W. Wilken, "C" company, 5th Royal Scots, and Bombardier J. F. Gorman, Montreal Field Battery.

When they were leaving the employment of The Sherwin-Williams Co. they were briefly addressed by Mr. Ballantyne, the manager, who commended them for their patriotism and loyalty to Great Britain, and informed them that he was pleased to know the Canadian division of The Sherwin-Williams Co. could send two such well-drilled volunteers for the defence of the flag which all held so dear.

When the Spanish-American War broke out, The Sherwin-Williams Co. had several men from the Cleveland house at the front, and, now that a call is made on Canada, the Canadian division is only too pleased to have two such men form a part of the Canadian contingent. After wishing the men Godspeed, and a safe return, the manager presented each one with a new pipe and a goodly quantity of tobacco as a rememberance from The Sherwin-Williams Co., and assured them that their positions would be waiting for them on their return.

Pte. Wilken and Bombardier Gorman briefly replied stating they were glad to answer to the call Great Britain had made for volunteers, and they would do their best to reflect honor on themselves and their country—the greatest of Great Britain's colonies.

After hearty handshaking all around, they left amid the good wishes of all the employes, who will be happy to see them again after the Boers have been defeated, and they return from South Africa.

PAINT FOR GALVANIZED IRON.

In an article in The Painters Magazine, which points out that oil paint peels off galvanized iron readily if not soon renewed, the following treatment is advised: Dissolve 2 ounces of chloride of copper, 2 ounces nitrate of copper, and 2 ounces sal ammoniac in 1 gallon of water; then add 2 fluid ounces of crude hydrochloric acid. This solution must be made in stone or earthenware to prevent precipitation of the copper salts. Cover the surface of the galvanized iron with this solution and it will assume a black color, which, on drying over night, will turn light grey, and upon which a red lead priming, thinned with equal parts of raw linseed oil and turpentine, will hold like grim death. Subsequent coats can be given in colors rich in oil, etc. Galvanized iron should at no time be first coated with an all-oil paint.

WARNOCK'S TOOLS

have been Canada's Standard for 55 years---since 1844. Every article bearing our name is fully guaranteed. Always specify **"Warnock's."**

James Warnock & Co., - Galt, Ont.

COW TIES

Greening's Patent

We make the following:

Open Ring, six sizes.
Small Closed Ring, six sizes.
Large Closed Ring, six sizes.
Three Chain, six sizes.
Greening's Special Tie with Stall Fixtures, five sizes.

Our ties have stood the test for years and are undoubtedly the best in the market. Send for new price list. For sale by all jobbers.

The B. GREENING WIRE CO., Limited

HAMILTON and MONTREAL.



Geo. D. Wood & Co.

WINNIPEG, MAN.

Importers of and Dealers in

SHELF AND HEAVY
HARDWARE, PAINTS, OIL, GLASS, PUMPS, ETC.

Stock now **complete** in seasonable lines. **Prompt** shipment.

Letter orders receive **special** attention.

HUTCHISON, SHURLY & DERRETT

DOVERCOURT TWINE MILLS.

1078 BLOOR STREET WEST, TORONTO.

Having equipped our Factory with entirely new machinery, we are prepared to furnish the best made goods in the market at closest prices and make prompt shipments.

Hand Laid Cotton Rope and Clothes Lines,
Cotton and Russian Hemp Plough Lines, plain and colored.
Cotton and Linen Fish Lines, laid and braided.
Netted Hammocks, white and colored, Tennis and Fly Nets.
Skipping Ropes, Jute, Hemp and Flax Twines.

LIGHTNING RODS.

PROF. N. R. CARMICHAEL, in Queen's Quarterly, has an interesting and practical article on "Lightning Rods," in the course of which he says: "The object to be sought in protecting a large building is not to erect so large a rod that the lightning will be sure to strike it, but to place conductors over all prominent parts so that wherever the discharge falls, some part of the conductor may be near to receive it. Nothing is to be gained by making points large and high. The effective height is the height above the ground, and a few feet more makes a little difference. It is much more desirable that the points be numerous, as the discharging power of a single point is not very great. * * * When the flash has reached the conductor it must be carried to the ground with as little disturbance as possible. This does not mean that the conductor must be a very large copper wire or rod, as was taken for granted when it was believed that great electrical resistance was the only condition which could cause a flash to leave a conductor after once reaching it. The passage of a sudden current like that of lightning is opposed by something much less easily eliminated than resistance. In fact, experiments show that in some cases a side-flash occurs more readily from a stout copper rod than from a thin iron whose resistance is many times as great. The same property of electricity, self induction, which causes a flash to divide while passing through the air tends to prevent the passage of a whole flash through a single conductor. In preventing side-flashes then a large rod has no advantage over a smaller one, and copper is no better than iron. The one effective method is to provide several paths to earth as widely separated as possible. At least let there be one wire down each corner of the building. It need not be very large; provided it is of sufficient size not to be melted by any ordinary flash; durability is the only consideration.

"Under the ground no trouble should be spared to terminate the conductor in earth which is always moist. The emphasis which has always been placed on this point is none too great. Where possible, several earths should be provided, some near the surface and others at greater depth, all being at some little distance from the foundations of the building."

Mr. Carmichael concludes: "It is possible then at small cost to protect a building so that the danger of damage by lightning is extremely slight. But theory and observation both condemn the confidence which utters such reckless statements as the following by the Lightning Rod Conference of 1882: 'A man may with perfect impunity clasp a copper rod an inch in diameter, the bottom of which is well connected with moist earth, while the top of it receives a violent flash of lightning.' Until much more is known of lightning than at present, the true scientist will prefer to use the much ridiculed language of Voltaire: 'There are some great lords whom one should only approach with extreme precaution; lightning is such a one.'"

REVOLUTION IN DOOR BOLTS.

Iron door bolts, "barrel" and "tower," are among the most familiar features of the hardwareman's stock-in-trade, and few items of ironmongery rival the door bolt for the prodigious discounts allowed by the producers. It is often asked how these articles can be produced for the money they are sold for, but as the makers live and thrive, it is to be presumed that they know their business, and they are as content with the results as the multitude who buy their undeniably cheap wares. An important development in this branch of industry is imminent. A Willenhall boltmaker has patented an invention which, in a branch of manufacture which has shown remarkable enterprise in recent years, breaks the record. He produces a bolt out of the solid iron or steel plate, complete in itself, without the use of a single rivet. This bolt is not only more solid, firm, and endurable than that in present use, but it will be placed on the market at a lower price than the old and inferior article. The results of the invention will be interesting to notice in their effects upon an important hardware industry.—Hardwareman, Birmingham.

PATENT REPORT.

Below will be found a list of patents recently granted by the Canadian Government through Marion & Marion, solicitors of patents, New York Life Building, Montreal: Nos. 63160, David Tait, Deseronto, Ont., boat propelling mechanism; 64091, J. B. Avon, Montreal, Que., surrounding car fender; 64095, J. A. Whaley, Carberry, Man., butter cutter; 64135, Dorilla Harvey, St. Andre de Kamouraska, Que., shoe; 64153, Joseph Rousseau, Thetford Mine, Que., harness attachment; 64112, J. B. Lavoie, Montreal, Que., device for attaching the rocker to chairs; 64160, Albert Turner, Falmouth, N.S., combination tool; 64170, Robert Irving, Corwhin, Ont., fastening for stall chains; 64186, Albert St. Martin and L. F. Hallette, Montreal, Que., tip for shoes; 64199, Ernest Geoffrion and C. E. Belanger, Montreal, Que., voting machine; 64345, Jos. Gravel, Boulevard St. Denis, Montreal, Que., car fender.

RETURNING GOODS.

The Stoves and Hardware Reporter of a recent issue says:

"Hardware jobbers are disposed to make complaint about a practice to which some customers are addicted at times and which adds a considerable burden to the ordinary discomforts of business. The practice consists of an unauthorized return of goods which have been ordered. The buyer either finds that they are not adapted to his trade, or that he cannot impress his customers with their desirability or that for some other reason they do not suit his purposes, so he proceeds to ship them back to the selling house with the request that his order be cancelled and he be credited for the amount of the bill, even including freight charges.

"This is a decidedly unbusinesslike way of doing business. The jobbers are not to blame if their customers make an error of judgment and have supplied themselves with goods which they find they do not want or cannot sell at a profit. The contract is closed on the delivery of the goods, and the buyer has no recourse against the seller unless his order was not filled in the way it was given. It seems that this practice first came into use when retail buying was close and competition strong, but if it was wrong then it is doubly so at a time when there is neither excuse nor reason for following it. Besides this, and probably for causes which appeal more forcibly to the retail dealers who resort to such methods, it is very poor policy to discredit one's business by disavowing a contract or endeavoring to obtain an unwarranted release from its terms."

TO VISIT THE WEST INDIES.

Mr. Chas. Tucker, the representative of Henderson & Potts in Eastern Ontario, expects to leave on a business trip to the West Indian Islands, on behalf of the firm, about the November 1 next. Henderson & Potts have a large connection through the Islands, and Mr. Tucker's trip will extend over about two months.

BRIDGEWATER, N.S., RECOVERING.

Bridgewater, N.S., is rapidly rebuilding since the fire, which took place the early part of this year, burning the whole business section. The main street running along the river will only be built on the upper side. This will give the town a much cleaner and pleasanter appearance to one coming in by the train. Before, the first sight to greet one was the backs of the stores and buildings, Bridgewater being a pretty town on the banks of the La Have river.

Mr. W. O. Bates is having a very nice brick store built, which he expects to occupy shortly.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, **Montreal.**

Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates, Galvanized Sheets, Imitation Russia Sheets, Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.



VanTuyl & Fairbank

Petrolia, Ont.

Headquarters for . .

Oil and Artesian Well Pumps, Casing, Tubing Fittings, Drilling Tools, Tables, etc.

R. C. LEVESCONTE

Barrister, Solicitor, Notary, Etc.

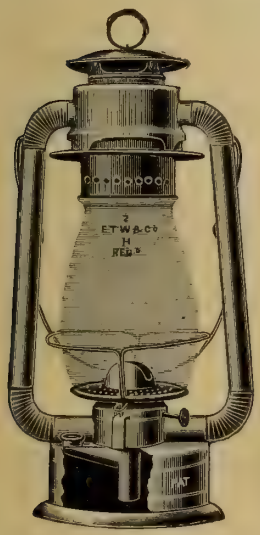
THE MCKINNON BUILDING
Cor. Jordan and Melinda Streets

. . . TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.

No. 3 Patent Well.

"Oil wont spill if upset."



Manufactured by

E. T. WRIGHT & CO.

Hamilton, Canada.

Send for New Catalogue.

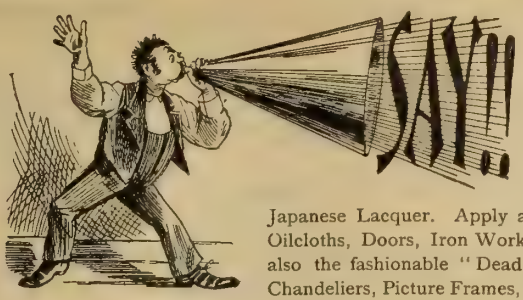
TRADE MARK J REGISTERED.

"JARDINE" TIRE UPSETTERS WILL UPSET TIRES

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.
HESPELER, ONT.



Don't forget to stock

JAP-A-LAC

A STAIN AND VARNISH COMBINED

Produces a brilliant, elastic and beautiful finish, dries with the elasticity and hardness of Japanese Lacquer. Apply a coat over old Woodwork, Furniture, Floors, Oilcloths, Doors, Iron Work, Carriages, Bicycles, etc. Made in all colors, also the fashionable "Dead Black" Wrought Iron Finish for tarnished Chandeliers, Picture Frames, Lamps, etc. Try it once and you will always use it.

Why don't you sell TURPine Spirits when Turpentine is so high? An excellent substitute for, and, in many respects, better than Turpentine. Price to trade, 48c. per gallon.

Canadian Depot, **A. WATT & CO.,**

Tel. Main, 2568 **43 St. Sacrament St., MONTREAL.**

"NOT IN THE TRUST"

"THE NEWTON"



is one of our **four** new patterns. Why buy old-fashioned patterns when you can buy new ones for the same money?

Newton Pattern Sugar Shell and Butter Knife.



The Toronto Silver Plate Co.

LIMITED

"The Gooderham Company."

Silversmiths and Manufacturers of Electro Silver Plate.

FACTORIES AND SALESROOMS:

King St. West, **Toronto, Canada.**

HAVE YOU A COPY OF OUR NEW CATALOGUES?

E. G. GOODERHAM,

Managing Director.

JOSEPH RODGERS & SONS Limited

SHEFFIELD, ENGLAND.

Each blade of our Goods bears the exact mark here represented.



JAMES HUTTON & CO., MONTREAL SOLE AGENTS IN CANADA.

CURRENT MARKET QUOTATIONS

Oct. 27, 1899.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—	
56 and 28 lb. ingots, per lb.	0 37
Straits	0 37

Tinplates.

Charcoal Plates—Bright.

	Per box
M.L.S., equal to Bradley.	
I.C., usual sizes	$6 50
I.X., "	7 75
I.X.X., "	9 00
J. R. & Co.—	
I.C	6 00
I.X	7 25
I.X.X	8 50
Famous—	
I.C.	6 25
I.X.	7 50
I.X.X.	8 75
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	5 75
I.X.X. "	6 50
I.X.X.X., "	7 25
D.C., 12½x17	4 50
D.X.	5 25
D.X.X	7 25

Coke Plates—Bright.

Bessemer Steel—	
I.C., usual sizes	4 35
I.C., special sizes, base	4 50
20x28	8 75

Charcoal Plates—Terne.

Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 50
I.X., Terne Tin	10 50

Charcoal Tin Boiler Plates.

	Per lb.
Cookley Grade—	
X.X., 14x56, 50 sheet bxs	0 07 0 07½
" 14x60 "	
" 14x65, "	

Tinned Sheets.

72x30 up to 24 gauge	0 08 0 08½
" 26 "	0 08½ 0 09
" 28 "	0 09 0 09½

Iron and Steel.

	Base	Price
Common Bar, per 100 lbs	2 35	2 45
Refined "		2 65
Horse Shoe		2 40
Hoop steel, 1½ to 3 in. base, extras for smaller sizes		2 75
Swedish "	4 00	4 25
Sleigh Shoe Steel " base		
Tire Steel		
Machinery		2 65
Cast Steel, per lb	0 10	0 14
Toe Calk Steel		
Thos. Firth & Sons' Cast Steel	0 12	0 14
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker.	2 00	2 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½-inch	0 11
2 "	0 12
2½ "	0 14
"	

Steel Boiler Plate.

¼ inch	3 25
3-16 inch	3 40
⅜ inch and thicker	3 25

Black Sheets.

18 gauge	2 75
20 gauge	2 75
22 to 24 "	2 90
26	3 00
28 "	3 25

Canada Plates.

All dull, 52 sheets	2 75
Half polished	2 85
All bright	3 25

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ⅜ inch, $3 69 ; ½ inch, $3.70 ; ¾ inch, $4.70; 1 inch, $5.9); 1¼ inch, $7.85 ; 1½ inch, $9.75; 2 inch, $13.00. 2½ to 6 inch, discount 50 p.c.

Galvanized, ½ inch, $6.50 ; ¾ inch, $8.00 ; 1 inch, $11.50 ; 1¼ inch, $16.00 ; 1½ inch, $20.00 ; 2 inch, $28.50.

Galvanized Iron.

	G C. Comet.	Amer.	Queen's Head
16 gauge			4 25
18 to 24 gauge	4 50 3 80	3 95	4 50
26 "	4 75 4 10	4 35	4 75
28 "	5 00 4 35	4 60	5 00

Less than case lots, 25c. per 100 lb. additional.

Chain.

Proof Coil, 3-16 in., per 100 lb	
" ¼ " "	8 00
" 5-16 " "	6 00
" ⅜ " "	5 25
" 7-16 " "	5 00
" ½ " "	4 75
" ⅝ " "	4 50
" ¾ " "	4 50

Trace and tug chain, discount 45 p.c.

Jack chain, iron, single and double, discount 35 p.c.

Jack chain, brass, single and double, discount 40 p.c.

Copper.

Ingot.

English B. S., ton lots	0 20 0 21
Lake Superior	

Bolt or Bar.

Cut lengths, round, ½ to ⅞ in.	0 23½ 0 25
" round and square 1 to 2 inches	0 23½ 0 25

Sheet.

Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 23 0 23½
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 23 0 23½

NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.

Tinned copper sheets	0 26
Planished	0 32

Braziers. (In sheets.)

4x6 ft. 25 to 30 lbs. ea., per lb.	0 25½
" 35 to 45 " "	0 24½
" 50-lb. and above, "	0 23½

Boiler and T. K. Pitts.

Plain Tinned, per lb	0 28
Spun, per lb	0 32

Brass.

Roll and Sheet, 14 to 30 gauge. 5 per cent.	
Sheets, hard-rolled, 2x4	0 24 0 25
Tubing, base, per lb	0 24 0 25

Zinc Spelter

Foreign, per lb	0 07½ 0 07¾
Domestic "	

Zinc Sheet.

5 cwt. casks	0 08
Part casks	0 08¼

Lead.

Imported Pig, per lb	0 04½ 0 04¾
Domestic, per lb	
Bar, 1 lb	05
Sheets, 2½ lbs. sq. ft., by roll.	0 05¼ 05½
Sheets, 3 to 6 lbs., per sq. ft., by roll	0 05 0 05¼

NOTE.—Cut sheets ½ cent per lb. extra

Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 17½ per cent. discount

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths, lists at 7½ cents.

Shot.

Ordinary, drop, $4.75 per 100 lb. ; chilled, $5.15 per 100 lb. F.O.B. Toronto ; terms 3 per cent cash, freights equalized on Montreal.

Soil Pipe and Fittings.

Discount, 50 and 10 per cent. on medium and extra heavy, and 50 per cent. on light.

Solder.

	Per lb.	Per lb.
Bar half-and-half	0 21	0 22
Refined	0 20½	0 21½
Wiping	0 20	0 20½

NOTE.—Prices of this graded according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 11 0 11½

White Lead.

	Per cwt.
Pure, Assoc. guarantee, ground in oil, 25 lb. irons	6 50
No. 1 do	6 12½
No. 2 do	5 75
No. 3 do	5 37½
No. 4 do	5 00
Robertson's Chemically Pure	6 50
Munro's Select Flake White	6 75
Elephant and Decorators' Pure	6 50

Red Lead.

Genuine, 560 lb casks, per cwt.	$5 00
Genuine, 100 lb. kegs, per cwt.	5 25 5 50
No. 1, 560 lb. casks, per cwt.	4 75
No. 1, 100 lb. kegs, per cwt.	5 00

White Zinc Paint.

Elephant Snow White	0 08 0 09
Pure White Zinc	0 08 0 09
No. 1	0 06 0 07½
No. 2	0 05 0 06½

Dry White Lead.

Pure, casks	0 05⅛
Pure, kegs	0 05⅜
No. 1, casks	0 04⅞
No. 1, kegs	0 05⅛

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)

Pure, per gallon	1 00 1 10
Second qualities, per gallon	0 90 0 95
Barn (in bbls.)	0 70 0 90
The Sherwin-Williams Paints	1 30
Canada Paint Co's Pure	1 10 1 20
Robertson's Pure	1 00 1 10
Sanderson Pearcy's Pure	1 00 1 10
Toronto Paint and Color Co.'s Pure	1 10 1 20

Colors in Oil.

(25 lb. tins, Standard Quality.)

Venetian Red, per lb	0 05
Chrome Yellow	0 11
Golden Ochre	0 06
French "	0 05
Marine Black	0 09
" Green	0 09
Chrome "	0 08
French Imperial Green	0 19

Colors, Dry.

Yellow Ochre (J.C.) bbls	1 35 1 40
Yellow Ochre (J.F.L.S.), bbls	2 75
Yellow Ochre (Royal)	1 10 1 15
Brussels Ochre	2 00
Venetian Red (best). per cwt.	1 80 1 90
English Oxides, per cwt.	3 00 3 25
American Oxides. per cwt	1 75 2 00
Canadian Oxides, per cwt.	1 75 2 00
Super Magnetic Oxides, 93 p.c.	2 00 2 25
Burnt Sienna, pure, per lb.	0 10
" Umber, " "	0 10
do Raw	0 09
Drop Black, pure	0 09
Chrome Yellows, pure	0 18
Chrome Greens, pure. per lb.	0 12
Golden Ochre	0 03¾
Ultramarine Blue in 28-lb boxes, per lb	0 08 0 24
Fire Proof Mineral, per 100 lb.	1 00
Genuine Eng. Litharge, per lb	0 07
Mortar Color, per 100 lb.	1 25
James' Gen. Red Lead, 100 lb	0 05
Pure Indian Red, No. 45, lb.	0 08
Whiting, per 100 lb.	0 55

Sulphate of Copper.

Casks, for spraying, per lb.	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bladders in bbls.	1 80
Bladders in 100 or 200 lb. kegs or bxs	1 95
Bulk in bbls., per 100	1 65
Bulk in less quantities	1 80
25-lb. tins, 4 in case	2 05
12½-lb. tins, 8 in case	2 30

Quotations f.o.b. Toronto, Ottawa, Montreal, Hamilton, London, Guelph. For quantities less than 100-lbs., 2½c. per lb.

Varnishes.

(In 5-gal. lots.).		Per gal
Carriage, No. 1	1 30	1 40
Extra do.	1 50	1 60
Body Varnish	3 40	3 50
Furniture Varnish	0 60	0 75
Extra do.	1 10	1 20
Demar Varnish		1 60
Hard Oil Finish	1 30	1 45
Orange Shellac Varnish	2 00	2 10
White Shellac	2 20	2 25
Rubbing Varnish		2 00
Brown Japan	85	1 00
Elastic Oak		1 40

Linseed Oil.

Raw.		Boiled.
1 to 4 bbls.	$0 60	delivered $0 63
5 to 9 bbls	59	" 62
10 to 15 bbls	57	f.o.b. point ship'nt 60
16 to 30 bbls	56	" " 59

On 1 to 4, 5 to 9 bbls. and car lots, freight allowed. Prices on 10 to 15 and 16 to 30-bbls. are f.o.b. shipping point.

Turpentine.

Single barrels	0 77
2 to 4 barrels	0 76

Freight allowed.

Castor Oil.

In cases, per lb	0 09
Small lots	0 10

Cod Oil, Etc.

Cod Oil, per gal.	0 50 0 55
Pure Olive	1 20
" Neatsfoot	90

Glue.

(In bbls.)

Common	0 08½ 0 09
French Medal	0 12 0 12½
Cabinet, sheet	0 11 0 12
White, extra	0 16 0 18
Gelatine	0 22 0 30
Strip	0 16 0 18
Coopers	0 19 0 20
A1 clear	0 09

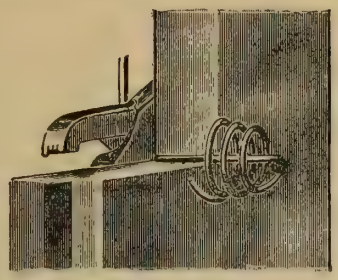
HARDWARE.

Ammunition.

Cartridges.

B. B. Caps. Dom., 50 and 5 per cent.
Rim Fire Pistol, dis. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18 p.c. Amr.

THE KLONDIKE SAMPLE HOLDER



U. S. and Canadian Patents Granted. British Patents Pending.

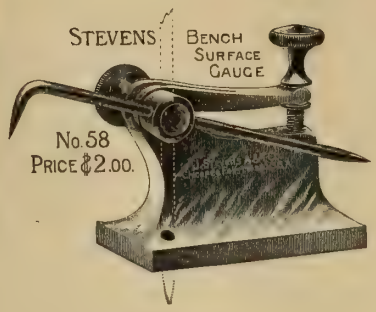
is the perfect holder you have been looking for, and is now made in Canada. No more shop-worn samples; holders are simple to fix, and samples are easily removed. Send for prices and free sample to the maker for Canada, also maker of

BENNETT'S PATENT SHELF-BOX

J. S. BENNETT, 20 Sheridan Ave., Toronto.

N. B.—Boxes made to fit your present shelving.

STEVENS ...FINE TOOLS



We make a perfect line of

CALIPERS and DIVIDERS

Also such tools as Surface Gauges, Tool Makers' Clamps, Center Punches, etc.

Write for our New Catalogue containing a description of our Tools. It is also a valuable hand-book of information for mechanics and people interested in such lines.

J. Stevens Arms & Tool Co.

P.O. Box 216, Chicopee Falls, Mass, U.S.A.

Carried by our representatives at Toronto and Montreal.

Central Fire Cartridges, pistol sizes, Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.
Brass Shot Shells, 55 and 10 per cent.
Primers, Dom., 80 per cent.

Wads.

	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Per lb	0 10	0 12½
Anvil and Vice combined	....	4 50
Wilkinson & Co.'s Anvils..lb.	0 09	0 09½
Wilkinson & Co.'s Vices..lb.	0 09¾	0 10

Augers.

Gilmour's, discount 50 and 10 p.c. off list.

Hollow, Stearn's, per dozen..	13 00	20 00
Adjustable, Stearn's, each..	4 50	6 50
Post-hole, Vaughan's, each..	60	90

Axes.

Chopping Axes—		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00
Bench Axes, 40 and 15 p c.		
Broad Axes, 33⅓ per cent.		
Hunters' Axes	5 50	6 00
Boy's Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Bath Tubs.

Zinc	3 90	4 00

Copper, discount 40 and 10 p.c. off revised list
Steel clad, discount 20 per cent. Boxing extra.

Anti-Friction Metal.

Tandem" A	per lb.	0 23
" B	"	0 19
" C	"	0 11½

Magnolia Anti-Friction Metal, per lb. 0 25
F. O. B. New York or Chicago.

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent.

Door.

Gongs, Sargant's	5 50	8 00

" Peterboro', discount 50 per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00

Blacksmiths', discount 60 per cent.

Belting.

Extra, 50 per cent.
Standard, 50 and 10 to 50, 10 and 5 per cent.
Agricultural, 60 and 10 p.c.

Bits.

Auger.

Gilmour's, discount 50 and 10 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent.

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Norway Bolts, full square	65
Common Carriage Bolts, 5-16 & under	55
" " " ⅜ and larger.	50
" " " full square	65
Machine Bolts, all sizes	55
Coach Screws	67½
Sleigh Shoe Bolts	72½
Blank Bolts	55
Bolt Ends	62½
Nuts, square	3¾c. off
Nuts, hexagon	4¼c. off
Tapping Nuts	60
Tire Bolts	60 and 10
Stove Bolts	60 and 10
Stove rods, per lb	5½ to 6c.

Boot Calks.

Small and medium, per M	4 50	
Small heel, per M	4 25	

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent.

Henis, No. 8, "	....	6 00
Henis, No. 9, "	....	7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Plain building, per roll	0 28
Tarred lining, per roll	0 35
Tarred roofing, per 100 lb	1 40
Coal Tar, per barrel	3 75
Pitch, per 100-lb	0 60
Carpet felt, per 100 lb	2 50

Bull Rings.

Copper, $2. 50 for 2½ in. and $2 for 2 in,

Butts.

Brass.

Wrought Brass, net revised list.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel.

Fast Joint, dis. 60 and 10 per cent.
Loose Pin, dis. 60 and 10 per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Cards.

Horse, per doz	0 60	1 00

Carpet Sweepers.

Bissell, per doz	....	22 50
World, "	....	21 75
Daisy, "	....	24 00
Star, "	....	18 00
Crown Jewel, per doz	....	29 00
Grand Rapids, "	24 00	33 00

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	...

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	50	9 50

Cement.

Canadian Portland	2 65	2 90
English "	....	3 00
Belgian "	....	2 70
Canadian hydraulic	1 00	1 10

Figures are for barrel lots.

Chalk.

Carpenters, Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 60 and 5 per cent.
Warnock's, dis. 60 per cent.

Churns.

Revolving Churns, metal frames—No. 0, $3—No. 1, $3.20—No. 2, $3.40—No. 3, $3.75—No. 4, $4.50—No. 5, $5.90 each. Ditto, wood frames—15c. each less than above. Terms 4 months or 3 p.c. off 30 days, f.o.b.

Cinder Sifters.

Per doz	1 25	

Clips.

Axle dis. 65 per cent.

Closets.

Plain Ontario Syphon Jet	$8 00
Emb. Ontario Syphon Jet	8 50
Fittings	1 00
Plain Teutonic Syphon Washout	4 75
Emb. Teutonic Syphon Washout	5 25
Fittings	1 00
Plain Richelieu	4 75
Emb. Richelieu	5 00
Fittings	1 25
Closet connection	1 25
Basins, round, 14 in.	0 65
" oval, 17 x 14 in.	1 55
" " 19 x 15 in.	2 30

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 20 per cent. from factory.

Dies.

Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. per cent.

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Broad's, dis 60 to 60 and 7½ per cent.
Warnock's, dis. 60 to 60 and 7½ per cent.

Drills.

Hand and Breast.

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.

Stovepipe.

Per doz	0 85	1 70

ESCUTCHEONS.

Discount, 27½ per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 45 per cent.

FILES.

Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Jowitt's, English list, 25 to 27½ per cent.
Mechanics' Star & File Mfg. Co. Discount 60 and 10 to 70 per cent.

FORKS.

Hay, manure, etc., dis., 50 and 10 per cent. revised list.

FRUIT PRESSES.

Henis', per doz	3 25	3 50
Shepard's Queen City, dis. 15 per cent.		

GAUGES.

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft
Under 26	2 10	4 00	3 50	6 00
26 to 40	2 30	4 35	3 75	6 65
41 to 50	....	4 75	....	7 25
51 to 60	....	5 00	....	8 50
61 to 70	....	5 35	....	9 25
71 to 80	....	5 75	....	10 50
81 to 85	....	6 50	....	11 75
86 to 90	....	7 25	....	14 00
91 to 95	....	....	....	15 50
96 to 100	....	....	....	18 00
101 to 105	....	....	....	21 00
106 to 110	....	....	....	24 00
111 to 115	....	....	....	28 00

16 x 16 10 per cent. off.

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis 5 to 10 per cent. Can. dis. 25 to 27½ per cent.

Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz., net	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pair	0 40	2 50

Fork.

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. list.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾	0 20

HANGERS. doz. pairs

Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50
Lane's covered—		
No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot		4½

HARVEST TOOLS.

Discount, 50 and 10 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent.

HINGES.

Blind, Parker's, dis. 60 and 10 to 65 per cent
" Shepard's Noiseless, dis. 60 per cent.
" " Buffalo, dis. 60 to 70 p. c.

Heavy T and strap, 4-in., per lb		0 06
" " 5-in., "	....	0 05¾
" " 6-in., "	....	0 05½
" " 8-in., "	....	0 05¼
" " 10-in., "	....	0 05

Light T and strap, dis. 60 and 10 per cent.
Screw hook and hinge—

6 to 12 in., per 100 lbs	....	4 50
14 in. up, per 100 lbs	....	3 50
		Per gro. pair
Spring	....	8 50

HOES.

Garden, Mortar, etc., dis. 60, 10 and 5 p.c.		
Planter, per doz	4 00	4 50

HOLLOW WARE
Discount, ... 45 and 5 per cent.

HOOKS.
Cast Iron.

Bird Cage, per doz	0 50	1 10
Clothes Line, per doz	0 27	0 63
Harness, per doz	0 72	0 88
Hat and Coat, per gross	1 00	3 00
Chandelier, per doz	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.

Hat and Coat, discount 60 per cent.
Belt, per 1,000 ..... 0 60 0 70
Screw, bright, dis. 65 and 10 per cent.

HORSE NAILS.
"C" brand 50 p.c. dis. } Oval head.
"M" brand 50 p.c. }
Acadian, 50 and 20 p.c., countersunk head.

HORSESHOES.

Iron Shoes.	F.O.B. Toronto. No. 2 and larger.	No. 1. and smaller.
Light, medium, and heavy.	3 80	4 05
Snow shoes	4 05	4 30
Steel Shoes.		
Light	4 10	4 35
Featherweight (all sizes)	5 35	5 35

JAPANNED WARE.
Discount, 50 per cent. off list, June, 1899.

ICE PICKS.
Star, per doz 3 00 3 25

KETTLES.
Brass spun, 7½ p.c. dis. off new list.
Copper, per lb 0 30 0 50
American, 60 and 10 to 65 and 5 p.c.

KEYS.
Lock, Can., dis., 50 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz	1 50	2 50
Bronze, Berlin, per doz	2 75	3 25
Bronze Genuine, per doz	6 00	9 00
Shutter, porcelain, F. & L. screw, per gross	1 30	4 00

HAY KNIVES.
Discount, 50 and 10 per cent.

LANTERNS.

Cold Blast, per doz	7 50
No. 4 "Wright's"	8 50
Ordinary, with O burner	4 25
Dashboard, cold blast	9 50
No. 0	6 00

Japanning, 50c. per doz. extra.

LEMON SQUEEZERS.

	per doz.	
Porcelain lined	2 20	5 60
Galvanized	1 87	3 85
King, wood	2 75	2 90
King, glass	4 00	4 50
All glass	1 20	1 30

LINES.

Fish, per gross	1 05	2 50
Chalk "	1 90	7 40

LOCKS
Canadian, dis. 27½ p.c.
Russell & Erwin, per doz 3 05 3 25
Cabinet.
Eagle, dis. 30 p.c.
Padlock.
English and Am., per doz 50 6 00
Scandinavian, " 1 00 2 40
Eagle, dis. 15 to 17½ p.c.

MACHINE SCREWS.
Iron and Brass.
Flat head, discount 25 p.c.
Round Head, discount 20 p.c.

MALLETS.

Tinsmiths', per doz	1 25	1 50
Carpenters', hickory, per doz	1 25	3 75
Lignum Vitae, per doz	3 85	5 00
Caulking, each	60	2 00

MATTOCKS
Canadian, per doz 8 50 10 00
American, 60 and 10 p.c. off list.

MEAT CUTTERS.
American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.
Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2d. and 3d	$3 60	$4 30
3½	3 25	3 95
4 and 5d	3 00	3 80
6 and 7d	2 90	3 65
8 and 9d	2 75	3 45
10 and 12d	2 70	3 40
16 and 20d	2 65	3 35
30, 40, 50 and 60d. (base)	2 60	3 30

Steel Cut Nails 10c extra.

NAIL PULLERS.
German and American 1 85 3 50

NAIL SETS.

Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.
Poultry, 40 per cent. for McMullen's.

OIL.

Canada refined (Toronto)	0 13½
Sarnia Water White	0 15
Pratt's Astral	0 18
Sarnia, Prime White	0 14
American w. w.	0 16½

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz	0 00	11 00
Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz	1 25	3 50
Brass, "	1 50	3 50

Malleable, dis. 25 per cent.

PAILS.
Galvanized pails, discount 45 per cent.
Galvanized flaring pails, discount 45 per cent
Galvanized washtubs, discount 45 per cent.

PIECED WARE.
Discount, 45 per cent. off list, June, 1899.

PICKS.
Per doz 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross	1 40	3 00
Brass head, "	0 40	1 00

PLANES.
Wood, bench, Canadian dis. 55 per cent. American dis. 55.
Wood, fancy Canadian or American, 37½ to 40 per cent.
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.
Miscellaneous, dis. 25 to 27½ per cent.
Bailey's Victor, 25 per cent

PLANE IRONS.
English, per doz 2 00 5 00

PLIERS AND NIPPERS.

Button's Genuine, per doz pairs, dis. 37½ 40 p.c.		
Button's Imitation, per doz	5 00	9 00
German, per doz	0 60	2 60

PRESSED SPIKES.
Discount, 20 per cent.

PULLEYS.

Hothouse, per doz	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS

Canadian cistern	1 40	2 25
Canadian pitcher spout	1 15	2 00

PUNCHES.

Saddlers', per doz	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set	0 00	0 72
" hollow, per inch	0 00	1 00

RAKES.
Cast steel and malleable Canadian, list dis. 50 and 10 p.c. revised list.
Wood, 25 per cent.

RASPS AND HORSE RASPS.
New Nicholson horse rasp, discount 60 p.c.
Globe File Co.'s rasps, 60 and 10 to 70 p.c.
Heller's Horse rasps, 50 to 50 and 5 p.c.

RAZORS.

	per doz.	
Geo. Butler & Co.'s	8 00	18 00
Boker's	7 50	11 00
Wade & Butcher's	3 60	10 00
Theile & Quack's	7 00	12 00

REAPING HOOKS.
Discount, 50 and 10 per cent.

REGISTERS.
Discount, ... 60 per cent.

RIVETS AND BURRS.
Carriage, Section, Wagon Box Rivets, etc. (Steel), 45 p.c.
Black M Rivets (Steel), 45 p.c.
Black and Tinned Rivets, 45 p.c.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets & Burrs, 35 p.c. dis., and cartons, 1c. per lb. extra, net.
Extras on Tinned or Coppered Rivets in ½-lb. cartons, 1c. per lb.
Burrs, iron or steel, 40 per cent.
Terms, 4 mos. or 3 per cent. cash 30 days.

RIVET SETS.
Canadian, dis. 35 37½ per cent.

ROPE, ETC.

	Sisal.	Manila.
7-16 in. and larger, per lb.	12½	15
⅜ in.	13	15½
¼ and 5-16 in.	13½	16
Cotton		14
Russia Deep Sea		15½
Jute		8
Lath Yarn		9¾
New Zealand Rope		10½

RULES.
Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

Mrs. Potts, per set	0 80
" N. P., per set	0 90

SAND AND EMERY PAPER.
Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 2½ per cent.
Emery, 40 per cent.

SASH WEIGHTS.

Sectional, per 100 lbs	3 25	
Solid, "	1 50	

SAWS.
Hand, Disston's, dis. 12½ p.c.
S. & D., 40 per cent.
Crosscut, Disston's, per ft | 0 35 | 0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.
Hack, complete, each | 0 75 | 2 75
" frame only | | 0 75

SASH CORD.
Per lb 0 20 0 50

SAW SETS.
"Lincoln," per doz 6 50

SCALES
Gurney Scales, 45 p.c.
B. S. & M. Scales, 45 p.c.
Champion, 55 per cent.
Fairbanks Standard, 45 p.c.
" Dominion, 60 p.c.
" Richelieu, 60 p.c.
Chatillon Spring Balances, 25 p.c.

SCREW DRIVERS.
Sargent's, per doz 0 65 1 00

SCREWS
Wood, F. H., iron, and steel, 80 p.c.
Wood R. H., " dis. 75 p.c.
" F. H., brass, dis. 75 p.c.
Wood, R. H., " dis. 67½ p.c.
" F.H., bronze, dis. 67½ p.c.
" R.H. " 62½ p.c.
Drive Screws, 82½ per cent.
Bench, wood, per doz 3 25 4 00
" iron, " 4 25 5 75

SCYTHES.
Discount, per doz. net 9 00 15 00

SCYTHE SNATHS.
Canadian, dis. 45 p.c.

SHEARS
Seymour's, dis. 50 and 10 p.c.
Heinisch, dis. 50 and 10 p.c.
Seymour or Heinisch tailor shears. 15 p.c.

SHOVELS AND SPADES.
Canadian, dis. 40 and 5 per cent.

SNAPS.

Harness, German, dis. 25 p.c.		
Lock, Andrews'	4 50	11 50

SOLDERING IRONS.

1, 1½ lb., per lb	0 37
2 lb. or over, per lb	0 34

SQUARES.
Iron, per doz 1 65 2 90
Steel, dis. 50 and 10 per cent., revised list.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.
Plain, dis., 75 and 12½ p c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized	3 80
Bright	3 55

STOCKS AND DIES.
American dis. 25 p.c.

STONE.	Per lb,	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador		0 13
" Axe		0 15
Turkey		0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, per ton	15 00	18 00

STOVE PIPES.

5 to 6 inch, per 100 lengths	6 75
7 inch, per 100 lengths	7 25

Stove Polish.



No. 4—3 dozen in case, net cash $4 50
No. 6—3 dozen in case, " 7 50

STEP LADDERS.
Best grade, from 3 to 10-ft. long, per foot, 16c.
2nd grade, 3 to 10-ft., per foot, 10c.

TACKS BRADS, ETC.

	Per cent.
Strawberry box tacks, bulk	75
Cheese-box tacks, blued	80 and 12½
Trunk tacks, black and tinned	80 and 12½
Carpet tacks, blued and tinned	75 and 10
" " (in kegs)	35
Cut tacks, blued, in dozens only	70 and 10
" ¼ weights	55
Swedes, cut tacks, blued and tinned—	
In bulk	80
In dozens	70 and 10
Swedes, upholsterers', bulk	80 and 12½
" brush, blued & tinned, bulk	45
" gimp, blued tinned and japanned	70 and 10
Zinc tacks	30
Leather carpet tacks	55
Copper tacks	50
Copper nails	52½
Trunk nails, black	65
Trunk nails, tinned	65 and 5
Clout nails, blued and tinned	65
Chair nails	35
Cigar box nails	35
Patent brads	40
Fine finishing	40
Picture frame points	10
Lining tacks, in papers	10
" " in bulk	15
" " solid heads, in bulk	75
Saddle nails in papers	10
" " in bulk	15
Tufting buttons, 22 line, in dozens only	60
Tin capped trunk nails	15
Zinc glazier's points	5
Double pointed tacks, dozens	85
" " " bulk	40

TAPE LINES.

English, ass skin, per doz	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" " steel, each	0 80	8 00

THERMOMETERS
Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRANSOM LIFTERS.
Payson's per doz 2 60

TRAPS. (Steel.)
Game, Newhouse, dis. 40 p c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's, discount 10 per cent.		
German, per doz	4 75	6 00
Brade's "	5 00	10 50
S. & D., discount 35 per cent.		

TWINES.

Bag, Russian, per lb		0 21
Wrapping, mottled, per pack.	0 50	0 60
Wrapping, cotton, per lb	0 17	0 18
Mattress, per lb	0 33	0 45
Staging, "	0 27	0 35
Broom, "	0 30	0 55

VISES.

Hand, per doz	4 00	6 00
Bench, parallel, each	2 00	4 50
Coach, each	6 00	7 00
Peter Wright's, per lb	0 12	0 13
Pipe, each	5 50	9 00
Saw, per doz	6 50	13 00

ENAMELLED WARE.
White, Princess, Turquoise, Blue and White discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.
Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Smooth Steel Wire, base, $3.35 f.o.b. factory points. Listof extras: Nos. 2 to 5, advance 7c. per 100 lb.—Nos. 6 to 9 base—No. 10, advance 7c.—No. 11, 14c.—No. 12, 20c.—No. 13, 35c.—No. 14 47c.—No. 15, 60c.—No. 16, 75c. Extras net per 100 lb.: Coppered wire, 60c.—tinned wire, $2—oiling, 10c.—special hay-bailing wire, 30c.—spring wire, $1—best steel wire, 75c.—bright soft drawn, 15c.—in 50 and 100-lb. bundles net, 10c.—in 25-lb. bundles net, 15c.—packed in casks or cases, 15c.—bagging or papering, 10c.
Fine Steel Wire, dis. 12½ per cent. factory. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, $7.65—No. 24, $8—No. 25, $9—No. 26, $9.50—No. 27, $10—No. 28 $11—No 29, $12—No. 30, $13—No. 31, $14—No 32, $15 No. 33, $16—No. 34. $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31, $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-1 . bundles, 15c.—in 5 and 10-lb. bundles. 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.60—No. 9, $3.10—No 10, $3.70—No. 11, $3.75—No. 12, $3 20—No. 13, $3.45—No. 14, $4.10—No. 15, $4.70—No. 16. $4.85.
Broom Wire, per lb 0 05 0 05½
Clothes Line Wire, 19 gauge, per 1,000 feet 3 30

WIRE FENCING.

	F.O.B. Toronto
Galvanized, 4 barb, 2¼ and 5 inches apart	3 50
Galvanized, 2 barb, 4 and 6 inches apart	3 50
Galvanized, plain twist	3 50

Terms, 2 per cent. in 10 days.

WIRE CLOTH.
Painted Screen, per 100 sq. ft., net ... 1 75

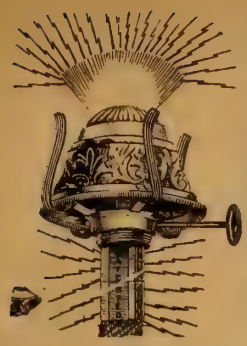
WRENCHES.
Acme, 35 to 37½ per cent.
Agricultural, 60 and 10 to 60, 10 and 10 p.c.
Coe's Genuine, dis. 20 to 25 p.c.
Diamond, dis. 33⅓ to 35 per cent.

Towers' Engineer, each	2 00	00
" S., per doz	5 80	00
G. & K's Pipe, per doz		3 40
Burrell's Pipe, each		3 00
Pocket, per doz	0 25	2 90

WRINGERS.

Leader ..... per doz.	$60 00
Royal Canadian ..... "	58 00
Royal American ..... "	48 00

Discount, 45 per cent.; terms 4 months, or 3 p.c. 30 days. Prices are f.o.b. London, Hamilton Toronto, Brockville or Montreal.



This light, we claim, produces a steady incandescent light double the value of ordinary, and consumes less oil (Canadian preferred). Requires snuffing only once in two months—does not smoke—chimneys need no wiping. Positively without smell. Why? Because our automatic battery produces an electric current from the chemicals of the oil which carbonizes the wick, thus the above results. Less explosive. Will fit any lamp. Sells at sight.

Manufactured by

Electric Petroleum Light Co.,

- - - Toronto.

Write for prices to **H. S. Howland, Sons & Co.,**

Front St. West, Toronto.

RIDEAU CANAL.

NOTICE TO SHIPBUILDERS.

SEALED TENDERS, addressed to the undersigned, and endorsed "Tender for rebuilding Dredge Rideau," will be received at this Office until 16 o'clock on Wednesday, the 1st day of November, 1899, for the above mentioned work.

Plans and specifications can be seen at the office of the Superintending Engineer of the Rideau Canal, Department of Railways and Canals, on and after Monday, October 16th, 1899.

Each tender must be accompanied by an accepted bank cheque, made payable to the order of the Hon. Minister of Railways and Canals, for a sum equal to ten per cent. of the bulk sum tendered; which cheque will be forfeited if the person tendering declines to enter into contract for the work at the rates and on the terms stated in the offer submitted.

The accepted bank cheque thus sent in will be returned to the respective persons whose tenders are not accepted.

The Department does not bind itself to accept the lowest or any tender.

Contractors are specially notified that the condition requiring the work to be wholly completed by the 1st day of May, 1900, will be rigidly enforced, and all penalties for delay exacted.

By order,

L. K. JONES,
Secretary.

Department of Railways and Canals,
Ottawa, October 2nd, 1899.

Newspapers inserting this advertisement without authority from the Department, will not be paid for it.

McCaskill, Dougall & Co

Fine Varnish & Japan

Manufacturers.

Montreal

Price Lists on application

D. F. Jones Manufacturing Co. Limited, of Gananoque, Ont.

Established 1852.

Shovels
Spades
Draining Tools

TRADE MARK. J D.F.J.MF'G.CO.

Grain and Coal Scoops and Miners' Shovels

The only Canadian manufacturers of Plain Back Shovels and Spades **THAT ARE SOLID,** without weld, and graduated from socket to point, and from centre to sides, of blades.

All our goods have trade mark on the handle.



IRON AND BRASS

Pumps

Force, Lift and Cistern Hand and Power.

For all duties. We can supply your wants with—quality the best and prices right. Catalogues and full information for a request.

THE R. McDOUGALL CO., Limited

Manufacturers, Galt, Canada.

SHIELD BRAND

Sheathing is the

BEST.

Ask your dealer for it.

Manufactured by

Lockerby & McComb

65 Shannon Street, MONTREAL.

CHAS. F. CLARK, President. JARED CHITTENDEN, Treasurer.

ESTABLISHED 1849.

...BRADSTREET'S...

Capital and Surplus, $1,500,000. **Offices throughout the civilized world.**

Executive Offices: Nos. 346 and 348 Broadway, New York City, U.S.A.

THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying, and promulgating information, no effort is spared, and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world. Subscriptions are based on the service furnished, and are available only by reputable wholesale, jobbing and manufacturing concerns, and by respectable and worthy financial, fiduciary and business corporations. Specific terms may be obtained by addressing the Company at any of its Offices. **Correspondence invited.**

THE BRADSTREET COMPANY

TORONTO OFFICE: Cor. Jordan and Melinda Sts

THOS. C. IRVING, Superintendent.

PERFECTION AUTOMATIC REVOLVER.



NEW Automatic shell extracting, double action, small frame. Weighs 12 oz. Rebounding lock. 32 caliber. 5 shot.

Made with shorter barrel for bicycle use.

The most perfect small pistol made.

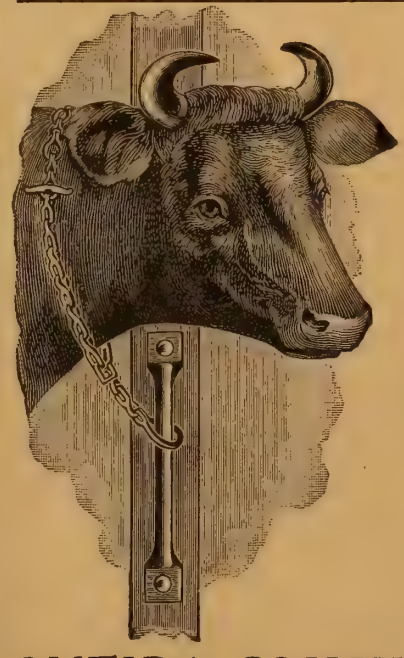
SEND FOR CATALOGUE.

Forehand Arms Co.

Manufacturers of the

Forehand Guns

Worcester, Mass.



Dominion Pattern

Cow Tie AND Stall Fixture

The special features of the tie and stall fixture are well shown in the illustration. As will be noticed the chain is very short which prevents all danger of entanglement with the animal's foot. At the same time the form of the fixture is such that great freedom is allowed to the head. Because of the short chain this tie is much cheaper than the ordinary patterns.

The stall fixture is made from a tough quality of steel and is very strong. Also, owing to its circular cross-section, it is exceedingly rigid. Its simplicity, convenience, cheapness, and ease of attaching make it very popular with cow tie users.

This form of tie and stall fixture are sometimes called Niagara pattern.

American or Flat Link Chain,

for years the standard cow tie chain in "the States," is now rapidly coming in favor in Canada. Its short link, handsome appearance and smooth surface—which cannot injure the animal's neck—make it superior to all other styles of chain for cow ties.

For sale by all Jobbers; manufactured by

ONEIDA COMMUNITY, Limited, NIAGARA FALLS, ONT.

Est. 1863 — Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve Medals



Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895

HAVE YOU TRIED IT?

"PYRAMID" BRAND



BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM
HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

Sole Manufacturers:

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

61-63 FRONT ST. WEST, TORONTO.

Our

IMPERIAL OXFORD

Represents the very highest development attained in range construction.

Its patented improved features give it precedence over all others—these improvements need only to be seen to be appreciated.

ITS FRONT DRAW-OUT GRATE
DIFFUSIVE FLUE CONSTRUCTION
OVEN THERMOMETER
DRAW-OUT OVEN RACK

and handsome appearance are "talking points" that sell it everywhere.

Are you handling them?

Write for our catalogue and price list.



The Gurney Foundry Co., Limited, Toronto

THE GURNEY-MASSEY CO., LIMITED, MONTREAL.

WINNIPEG AGENTS: 155 and 157 Lombard St. **VANCOUVER AGENT: C. A. GODSON, 151 Hastings St.**

Refined, Reliable and Worth.
Langwell's Metal Alloys.
Montreal.

CANADIAN
HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XI. MONTREAL AND TORONTO, NOVEMBER 4, 1899. NO. 44

Magnolia Metal



Best Anti-Friction Metal for all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up in bars, of which this is a

FAC-SIMILE.



The name and trade mark appear on each box and bar, and besides this, the words "Manufactured in United States" and "Patented June 3, 1890" are stamped on the under side of each bar.

Magnolia Metal is still selling at the same price it has always sold at—no advance.

MAGNOLIA METAL COMPANY

LONDON OFFICE—49 Queen Victoria St.
CHICAGO OFFICE—Fisher Building, 281 Dearborn Street.
CANADIAN OFFICE—524 Board of Trade Building, Montreal.

Owners and Sole Manufacturers,
266 and 267 West St., New York

We Want Your Money



CANADA

in exchange for **"Queen's Head"** Iron. Complete stocks in Montreal and Toronto. Jobbing trade only.

JOHN LYSAGHT, Limited,
BRISTOL, ENG., and MONTREAL.

Original

A new thing may command some attention for a day, for a year perhaps. Enduring success must be founded upon intrinsic work—originality must rest upon a basis of solid merit to deserve success.

The Safford Radiator for **Hot Water and Steam Heating** embodies the original invention of pipe threaded screw connections—*they cannot possibly leak.* The idea of doing away with rods, bolts and packing was "original" with the Safford. Some of the largest buildings in Canada have installed them. Leading architects advise their use for homes. The Safford is the "original"—its enduring success proves it beyond a question. Send for Illustrated Catalogue telling all about

The Safford Radiators

—AGENCIES AT—

Montreal, Winnipeg, Glasgow, Antwerp, Auckland, N.Z.
Quebec, Vancouver, Edinburgh, Berlin,
St. John, N. B., London, Belfast, Christiana, Johannesburg, S.A.R.

The Dominion Radiator Company, Limited,
TORONTO, ONTARIO.

RICE LEWIS & SON

(LIMITED)

ARTHUR B. LEE, President. *A. BURDETT LEE, V. P. and Treas.*

FELT WEATHER STRIP

HARDWARE AND METAL

Cor. King and Victoria Streets ...TORONTO

SAVAGE REPEATING RIFLE

.303 CAL.



Hammerless
Smokeless
Six-Shooter

New 1899 Model

AGENTS:
Winnipeg, J. H. ASHDOWN
Toronto, RICE LEWIS & SON
Quebec, CAVERHILL, LEARMONT & CO.

LATEST and FINEST Rifle manufactured.

Write for complete Catalogue W.

SAVAGE ARMS CO., Utica, N.Y., U.S.A.

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74 YEARS. *ESTABLISHED 1825.* *74 YEARS.*

CELEBRATED

HEINISCH SHEARS



ACKNOWLEDGED THE BEST.

Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.

R. HEINISCH'S SONS CO.

NEW YORK OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.

The Round Reacting Washer.

A STRICTLY FIRST-CLASS MACHINE AT A REASONABLE PRICE.

Most Efficient

A Quick Seller



No other machine so easily operated.

Closed in—keeping suds hot and preventing escape of vapor into the room.

We commend these machines to the trade.

SEND FOR PRICES AND CIRCULARS.

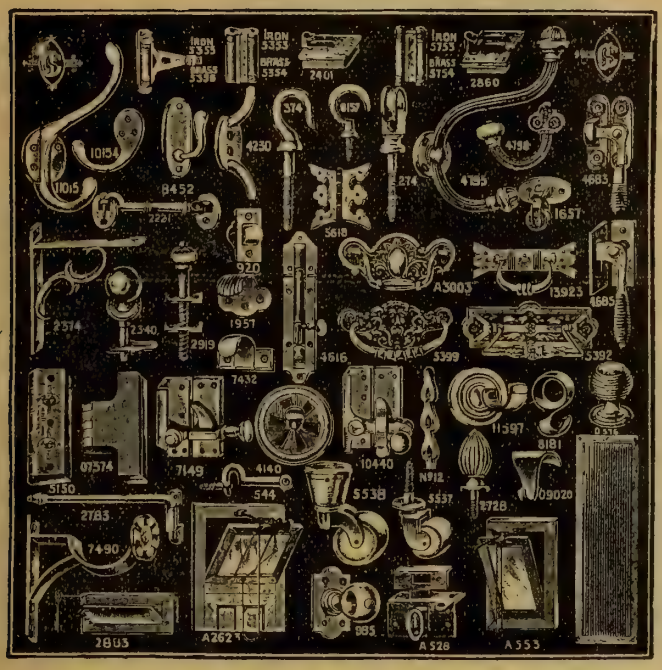
The Dowswell Mfg. Co., Limited, Hamilton, Ont.

James Cartland & Son

Manufacturers of every description of **Limited**

CABINET, BUILDERS', FURNISHING AND NAVAL BRASSFOUNDRY

BIRMINGHAM, ENGLAND.



London Showrooms: 57 Holborn Viaduct, E.C.

Thresher Belts

CANADIAN RUBBER CO. EXTRA BRAND MONTREAL & TORONTO

with these brands are a guarantee in themselves of excellence . . .

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The Canadian Rubber Co.

Of Montreal

Factories and Head Office,

Capital, $1,500,000.00 **MONTREAL**

CANADIAN RUBBER CO. EXTRA HEAVY BRAND MONTREAL & TORONTO

Ontario Branch, Toronto

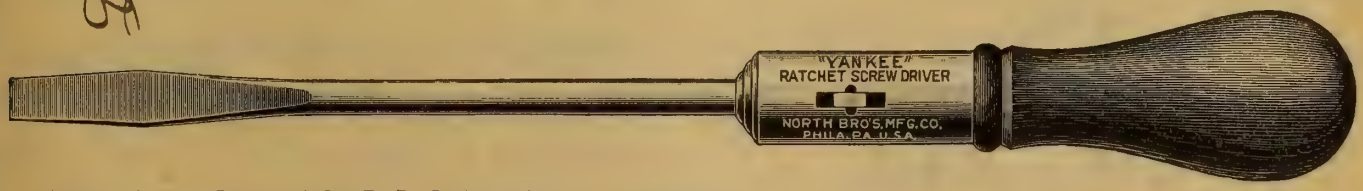
Western Branch, Winnipeg

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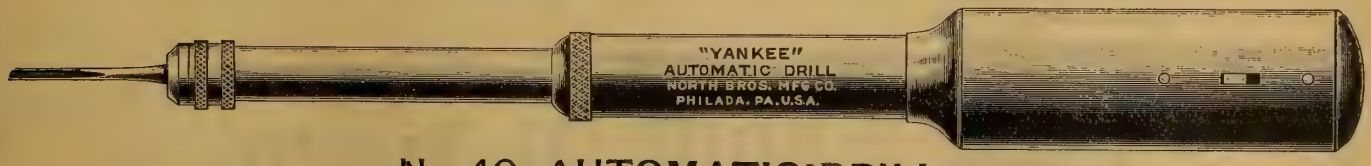
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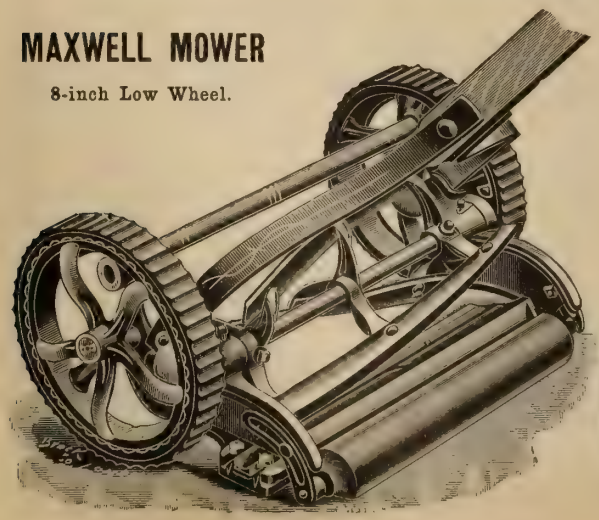
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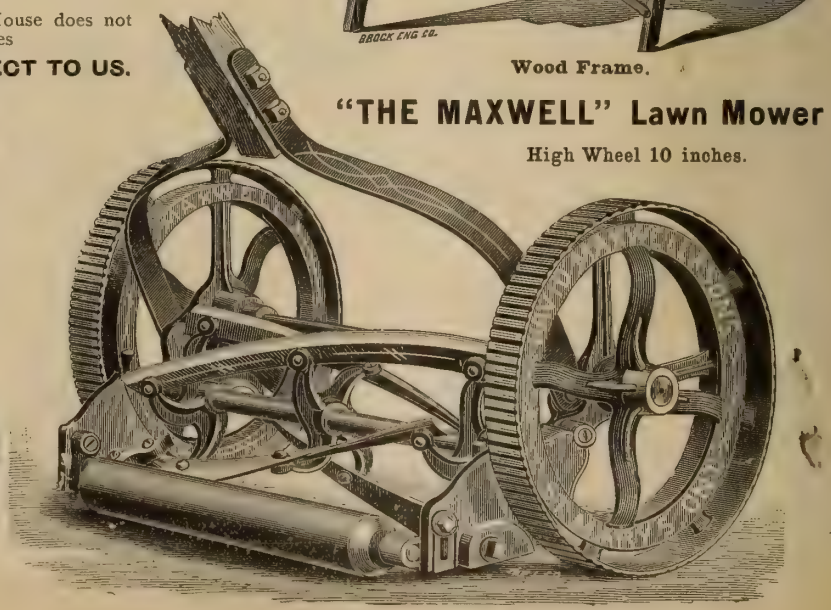
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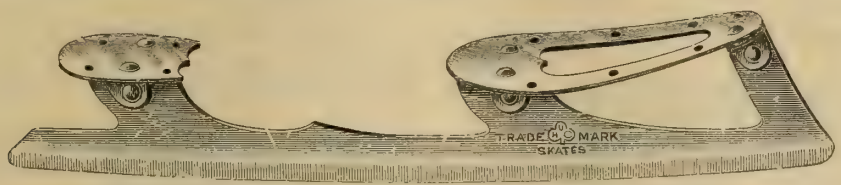
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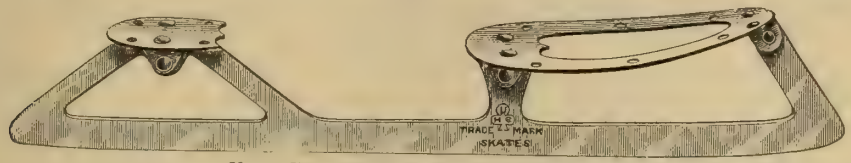
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Is the... Celebrated **"Grand Jewel"**

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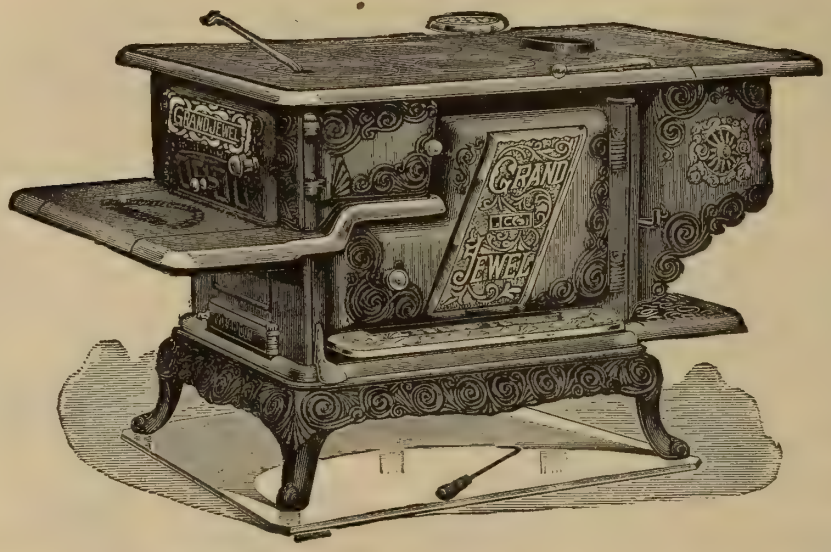
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GRAND JEWELS

have now been sold, and sales are . . .

Rapidly Increasing.

THIS LINE of stoves commands a liberal profit for all dealers.



This stove has more good selling points than any other stove on the market.

It is fitted with sheet steel oven, which is so braced that it is impossible for it to warp or crack

ASK FOR DESCRIPTIVE CIRCULARS.

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THE BURROW, STEWART & MILNE COMPANY, Limited

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IN GREAT DEMAND

KEMP'S STANDARD NESTABLE STOVE PIPE.

BECAUSE

It requires no Rivets or Tools to put it together.
The seam does not require pounding down.
It is uniform in size, and has the small end crimped so as to secure a close and easy fit.
It has a coating which prevents rust.
It is nested 25 joints in a closed crate.
A low rate of freight is thereby secured.
It can be bought as cheap as ordinary mis-fitting Stove Pipe.





WE ALSO CARRY IN STOCK A FULL LINE OF TIN PLATES, GALVANIZED IRON, ETC.

KEMP MANUFACTURING CO.,

TORONTO, CANADA.

HARDWARE AND METAL

Vol. XI. MONTREAL AND TORONTO, NOVEMBER 4, 1899. No. 44

President, JOHN BAYNE MacLEAN, Montreal.
Treasurer, HUGH C. MacLEAN Toronto.

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Limited.

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

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WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

COURSE OF INGOT TIN VALUES.

THERE has been a rather sharp break in the price of ingot tin, the price in London falling over £2 since October 25, while it is 50c. per 100 lb. lower in New York.

Frequent fluctuation in a commodity so highly speculative as tin is inevitable, but it is interesting to look back and consider to what extent the enormous rise in value that it has exhibited was warranted.

At £60 the price is generally admitted to have been too low, and, during the earlier period of the rise, the progress was due to legitimate, and not speculative causes. Up to £70 authorities assert that the rise was warranted by the merits of the article itself, but once it got above that figure, speculative causes began to exert more influence. But, though conservative people may consider that the advance was being carried too far, it is not well to forget that there has been a great expansion in the consumption, that many observers believe has come to stay. Month after months stocks decreased, and consumption continued to outstrip production, despite the inducements offered by the remarkable rise in values, and it was logical to expect that the rise would not culminate until a price had been reached that would either check consumption or stimulate production to a sufficient extent to check the decrease in the world's stocks.

The publication of the September statistics for the first time in several months reflected an important increase in the supply. Whether it will be permanent or not, of course, only the future will decide, but it was sufficient to check the steady rise in prices.

If the October figures, which should be out shortly, show a further important increase in the visible supply, it is a reasonable assumption to expect that the rise has culminated. On the other hand, should statistics show a decrease further appreciation is not at all improbable.

OVER $5,000,000 INCREASE.

The bank note circulation in Canada in September last was $46,682,028.

This was an increase of nearly $5,250,000 for the month, the largest increase in any previous September on record.

Another good evidence of the commercial activity obtaining in the Dominion.

A CIVIL SERVANT AND HIS DEBTS.

A DECISION has been given by Chancellor Boyd which is of more than usual interest to business men.

As every business man knows, several attempts have of late years been made to secure such amendments to the law as would deprive civil servants of the peculiar privileges whereby their salaries are exempt from garnishment. But all these attempts have, so far, been abortive.

By an interpretation, however, which Chancellor Boyd has put upon the law it does not, unless his interpretation should be upset by a higher court, much matter whether or not legislation is obtained to remove the peculiar privileges which civil servants now enjoy in regard to the non-garnishing of their salaries.

Under an order of a division court judge, a Dominion civil servant was ordered to be brought up on a judgment summons to pay monthly installments. Against this order an appeal was entered, the ground being taken that to bring the appellant up on such an order would be contrary to public policy, inasmuch as it would take him from his duties as a public officer.

The learned chancellor before whom the appeal was heard, did not, however, see eye to eye with him, for he very wisely overruled the objection.

It is better that the public service should suffer than that a dishonest civil servant should, in the law, find a place of refuge from whence he can defy his creditors. But the argument is only a specious one; public business will not suffer to the extent of one farthing because a civil servant is made to pay his debts.

WILL PUT UP BUSINESS MEN FOR PARLIAMENT.

IN two counties in the Province of Quebec the business men and farmers have reached an understanding whereby, at the next general election, men of business experience shall be brought out for Parliamentary honors.

Since HARDWARE AND METAL, some years ago, inaugurated an agitation for the election of business men to Parliament, the idea has been gradually gathering force in the country.

There is still a far too small representation of the business element in the different legislative bodies, parliamentary and municipal, but there is much satisfaction in the fact that many members of the independent press are now champions of the same principle, while Governments, Federal and Provincial, consider it something to boast of if they have an odd business man or so in their composition. And if they can by any stretch of the imagination term themselves a business man's government, they do not hesitate to do so.

It is evident, therefore, that no small advance has been made in this movement for government on business principles and by business men. At the same time no thoughtful man, no man who is free enough from party to have his perspective destroyed, can fail to realize that we are yet a great distance from the ideal.

Most men have and always will have their party predilections. And there is nothing to be said against this. But there is against a blind adherence to party, for it is the root and branch of all bad government.

With blindness of this kind obtaining, the elector will not stop to consider whether the candidate of his party is qualified or not. If he considers anything it is merely as to his soundness in the faith. As to his business common sense, that is as far from his thoughts as is the north pole from the south pole.

Just as the source is so will the stream be; just as the elector is so will the representative be in Parliamentary or municipal hall.

The business men of this country are—or should be—more interested in the question of good government than any other class, for they probably suffer more than any other class from the effects of bad government.

There are altogether too many who are quite unconcerned in regard to such matters. But it is certain he who is unconcerned about the government of the State cannot be accounted a good citizen. And it is equally certain that without good citizens it is impossible to get good government. You cannot gather figs from thistles, or grapes from thorns.

We are time and again told that the representative system of government is upon its trial. We are more inclined to think that it is the people who have the exercise of the franchise that are upon trial.

If there is any question at all in regard to the matter, it is not, is the principle of representative government a good one? but have the people a sufficient sense of the propriety of things to properly run the machinery of representative government?

For an answer it is only necessary to refer to the quality of altogether too many of the men who sit in Parliament, and to the exposes during the recent election trials.

These certainly do not tend to convince one that the people have a sufficient sense of the propriety of things as far as their duty as electors are concerned.

What is wanted is a thorough awakening of the business men of the country. Then Parliamentary candidates of both shades of politics will be selected, not because of their party fealty, but because of their business common sense and records for honesty.

COIL CHAIN AGAIN ADVANCES.

Still another advance is to be noted in the price of coil chain, our Toronto quotations being 25 to 40c. per 100 lb. higher than they were a week ago.

The new, as well as the old, figures, together with the price a year ago, are as follows:

	New price.	Old price.	Price a year ago.
Proof coil, ¼ inch.....	$8 25	$8 00	$4 65
" " 5-16 "	6 25	6 00	3 75
" " ⅜ "	5 50	5 20	3 25
" " 7-16 "	5 30	5 00	2 85
" " ½ "	5 10	4 75	2 75
" " ⅝ "	4 90	4 50	2 75
" " ¾ "	4 85	4 50	2 63

This means that the price to-day is, oughly speaking, from 70 to 80 per cent. higher than a year ago.

WINDOW GLASS GOES UP IN MONTREAL.

MONTREAL jobbers this week advanced the price of window glass 10 to 25c. Two weeks ago HARDWARE AND METAL predicted that prices were bound to go up because of the remarkably light stocks on spot.

They have not been materially replenished since, and there is little or none afloat for Canada now, whereas last fall several cargoes had yet to arrive.

The ss. Mayflower, which was expected here from Hamburg with Belgian glass on board, has been compelled to put back owing to a collision.

Altogether it is not unlikely that still further advances will follow this latest rise. The new and old scale is as follows:

	Old Scale.	New Scale.
First Break, 50 feet.....	$1.90	$2.00
Second " " "	2.00	2.10
First " 100 "	3.60	3.80
Second " " "	3.80	4.00
Third " " "	4.25	4.50
Fourth " " "	4.50	4.75
Fifth " " "	5.00	5.25
Sixth " " "	5.50	5.75
Seventh " " "	6.00	6.25

ANTI-FRICTION CASTORS HIGHER.

Manufacturers in the United States of anti-friction castors have adopted uniform price lists and discounts.

Under these new lists and discounts prices have been advanced 40 to 50 per cent.

THE PRICE OF SAD IRONS.

An error was made last week in placing the price of Mrs. Potts sad irons (plain) at 80c. It should have been 90c. per set, with 10c. per set additional for nickle-plating.

A NEWER AND HIGHER FILE LIST.

Another new file list, bearing date of November 1, has been issued by the file-makers of the United States. The list which this supplants was issued on June 1 last.

Roughly speaking, the new list shows an advance in prices of about 15 per cent.

ADVANCE IN WIRE CHAINS.

An advance of from 15 to 50 per cent. has been made in the price of wire chains of Canadian manufacture.

The new discounts are: Halter, kennel and post chains, 40 and 5 per cent. off the list; cow ties, 40 per cent.; stall fixtures, 35 per cent.; trace chains, 25 and 5 per cent.

The list of March, 1899, is still in vogue.

THE PROBLEM OF TRUSTS.

THE mind of the average leading politician in the United States is much exercised these days by the trust problem. There is such a strong feeling, particularly in the West, in favor of legislative action for the government of these concerns that the question promises to be a live one in the next Congress.

According to The New York Journal of Commerce, it is expected that very radical measures will be proposed by members of the minority in Congress. The Republicans will oppose such measures, but some of those who look ahead do not wish to be put in the position of befriending the trusts by failing to take any action on the subject. Only a few go to the extreme of Senator Hanna, of Ohio, in seeming to attribute to all the recent trust flotations a beneficent influence upon the economic state of the country. It is conceded that some of the big combinations are a natural result of the modern concentration of capital and the reduction of profits to a minimum, but there is agreement in many quarters with the position that many of the new combinations are simply the result of stock jobbing enterprises and are not a legitimate evolution of modern industrial conditions. A good deal of relief is felt in high Republican circles that representatives of organized labor have expressed satisfaction with the workings of the trust system in certain industries, but the fact is realized that in the long run consumers as well as the distinctively laboring classes will have something to say regarding the national policy up on this subject. The recent speech of Comptroller Dawes, at Boston, directing attention to the fact that some of these combinations might become strong enough to raise prices without warrant, is setting many of his party associates thinking.

"The difficulty among the leaders of the dominant party," says The New York Journal of Commerce, "seems to be that no moderate and practicable measure of dealing with the trusts has yet commended itself to their approval. Nothing radical is likely to be done by the party in control of Congress. It is not considered necessary, even by many who are strongly opposed to the trust system, that the Constitution should be amended in order to strike at these combinations. The power to regulate commerce between the States and the power of taxation have been so broadly interpreted in recent years that they are likely to afford all the latitude required for the measures which may be adopted at the present time by Congress. Whatever is done at the coming session will be only preliminary to more sweeping legislation, if the trust abuse grows in the future. Comptroller Dawes recommended that the Inter-State Commerce Commission be given power to enforce maximum freight rates and prevent discriminations between shippers as one of the most efficient means of protecting small producers against the combinations. * * * One of the projects which is being more or less dicussed is the regulation of all corporations engaged in inter-State commerce by means of the power of taxation. No tax will be proposed which is confiscatory, but any tax whatever, however small, would bring the trust combinations under Federal supervision. If sufficient machinery were provided, forms of bookkeeping could be prescribed which would show the actual financial status and profits of each large corporation. This would warn investors of the character of combinations which were unprofitable and would afford data to the consuming public for judging whether the rates of profit earned were excessive."

The struggle will be watched not without interest by Canada, although, of course, we are not directly interested in it.

COTTON CORD AND LINE DEARER.

The anticipated advance in cotton goods, such as lines and twine, has at last taken place.

Under these changes, cotton twine is from 1 to 1½c. per lb. higher; cotton rope, 1c. per lb.; clothes line, 10 to 12½ per cent., and sash cord, 1½ to 2c. per lb. higher.

LOWER DISCOUNT ON BOLTS.

The price of bolts and nuts has again been increased.

Common carriage bolts of 5-16 inch and under and ⅜ inch and larger, formerly quoted at different prices, are now all under one discount, namely, 50 per cent. The other changes are: Machine bolts, all sizes, 52½ per cent.; coach screws, 65 per cent.; sleighshoe bolts, 70 per cent.; blank bolts, 52½ per cent.; nuts, square, 3½c. off the list price; nuts, hexagon, 4c. off the list; plough bolts, 50 per cent.

EDUCATE THE PUBLIC.

IN a time like the present, when prices are at a high point and are likely to remain there, and possibly be further advanced, difficulty is often experienced in persuading the public that the advances made by the retailer have been made necessary by a rise in the wholesale market.

It is not astonishing that a mechanic, a farmer, or a laborer, who, when he is told that an article which cost about $2 last year is worth $3 or $4 this year, should express surprise and even doubt. It takes a good deal of convincing sometimes to make him believe that the retailer is not putting most of the extra price into his own pocket.

The average man does not know of the rise in metals and goods made therefrom. He has no means of knowing unless he follow the incomplete and erratic reports in the daily press. The weekly press seldom, if ever, refers to such things.

The average man should know, however, and it would be a good move on the part of hardwaremen to make him know of the existing state of affairs.

To do this best, he should keep in touch with the local newspaper. An editor is fond, very fond of news, and so a hardwareman giving the local editors news of advances which are sure to affect the price of hardware consumed by the general public would get a glad reception.

The buyers should know of the advances that have been made by the manufacturers of and wholesale dealers in garden tools, wire and wire nails, tinware and enamelware, iron pipe, shelf hardware, metals, glass, paints; in fact, everything that the hardwareman sells.

When articles dealing with such advances appear in this paper, it might help to this end if the merchant would show it to the local newspaperman, showing him that it is a matter of interest to most of his readers.

AN INTERNATIONAL TRADE CONGRESS.

CANADIAN DELEGATES AT PHILADELPHIA—A VIGOROUS SPEECH BY MR. JAMES D. ALLAN—RECIPROCITY IN COASTING TRADE AND NATURAL PRODUCTS ENDORSED.

Reported for HARDWARE AND METAL.

THE International Commercial Congress, which met at Philadelphia last month, opening on the 10th, was a very important affair. It was summoned to discuss matters affecting the world's trade: practical subjects that interest all the principal civilized nations, and none of them more than Canada. What subjects, for example, have a more direct concern for Canada than these: Reciprocity and Export Trade, International Arbitration from a Commercial Standpoint, Railways and Exports, International Canals, Future of the British West Indies, United States Trade with Australia, etc.? Representatives from all countries were there. Australasia was represented by three of the agents-general from London: Hon. W. P. Reeves, of New Zealand; Sir Andrew Clarke, of Victoria; Sir Horace Tozer, of Queensland, and other prominent gentlemen, 20 in all.

Although Canada was not officially mentioned in the programme, the Dominion was not unrepresented by able men. Among the Canadian delegates sent by boards of trade were: George Mitchell, E. de Wolfe and M. Dwyer, Halifax; James Paton, R. B. Norton, Charlottetown; A. Desjardins, Joseph Haynes, C. F. Smith, J. K. Ward, John Macfarlane, and Henry Miles, Montreal; James D. Allan, W. F. Cockshutt, S. F. Wilson, Edgar A. Wills and George Anderson, Toronto; G. D. Brymner, Vancouver; J. F. Hume, Victoria; D. W. Bole, Winnipeg; Hon. R. R. Dobell, J. F. Langlois, M. Joseph and B. Rattray, Quebec; J. H. Preston, Brantford; John McLaren, J. M. Gill and R. A. McLelland, Brockville; E. J. B. Pense, Francis King, John Gaskin and Allan Chadwick, Kingston; John Pringle and J. A. Relles, London; J. E. Hening, Napanee; W. J. Ferguson, Wm. Preston, E. K. Barnsdale, W. S. Thornton and George McLagan, Stratford, and others. Hon. R. R. Dobell was present not as a member of the Dominion Government, but simply as a delegate from the Quebec Board of Trade. While the aim of the Congress was to discuss the prospective growth of trade between the United States and such countries as Australia, South America, China, the West Indies, etc., the obvious wisdom of cultivating closer commercial relations with Canada was not considered. And this somewhat extraordinary omission, seeing that statistics laid before the Congress showed Canada to be the third-best customer of the United States, was remarked upon by one of the delegates from another country. As no place in the programme was assigned to them, the Canadian delegates held a short informal meeting of their own, and passed a resolution favoring the revival of the Dominion Board of Trade, in order that some body might be in existence in Canada to take advantage of such opportunities as this to increase Canada's trade and emphasize her commercial position.

The commercial Museum in connection with the Congress and Exhibition was a great building of five storeys filled with exhibits and arranged so as to give the commercial men present information as to the chief products for international exchange. The members of this exchange or mart pay an annual fee which entitles them to all the reports issued in connection with it. It enables them, as a combination of individuals, to get information regarding openings for foreign trade, etc, which, as single individuals, would cost them too much. Prof. Wilson, formerly of Yale, the director, is a man of many energies and accomplishments. The Canadian delegates, notwithstanding that the Dominion had no distinct place in the Congress, did well. They were able to show, mainly through the speeches made by two of their number, that Canada has a place in international commerce, and is a country of many resources and excellent prospects.

MR. JAMES D. ALLAN ON INTERNATIONAL TRADE.

It happened that on Saturday, October 14, the subject of transportation as it influences trade, especially between two contiguous countries like Canada and the United States, was discussed, and, on Monday, October 16, some further debate took place upon it. Director Wilson, therefore, called upon a Canadian delegate, Mr. James D. Allan, Toronto, to make some remarks, and the vigorous and earnest eloquence of that gentleman's speech as it is found in the official record, must have greatly impressed the listeners, for it brought forward prominently the direct interest the Western States have in our water routes, and also most happily alluded to some of Canada's rich resources.

Mr. Allan began by a reference to the lake and river route for freight. "These waterways," he said, "are largely—almost entirely, I may say—within Canadian territory. Obstructions do exist, but these have been overcome by the enormous expenditure of money by the Canadian Government * * * and, if you will trace these waterways through the interior of the country, you will see that the western part of the United States is just as much interested as Canada can be in the perfecting of the system of cheap communication. * * * We in Canada have adopted a very liberal principle, partly of our own free will and partly as a result of the treaty meeting in 1871 with the United States Government, by which we have given the free use of our canals to the Americans." The speaker then proceeded to point out the significance of the Parry Sound Railway, and its effect opon the carriage of western grain to the seaboard; the enormous development of lake tonnage, exceeding the wildest dreams of men who considered the subject years ago; the opening up of the western agricultural lands, and especially the vast Canadian wheat land containing 1,600,000 square miles of magnificent agricultual soil; and showed that the products of the region must get to the seaboard, and that it behooved them, as shrewd commercial men, to look to the future, for the resultant trade was the heritage of both countries, for the people of Canada were their brothers and cousins, part of the same stock. (Loud applause.) Turning again to the question of international traffic, Mr. Allan, with much courtesy, but with admirable point and force, alluded to the one-sided coasting laws of the United States and to their refusal of the use of the New York canals to Canadian vessels. His concluding words have the right ring, and are quoted entire:

You all ask what we are doing. We are only asking to take a part in liberality with you in trade matters, and in that matter we appeal to your good sense. Our mineral discoveries and develop-

WIRE NAILS
TACKS
WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

ments up there read almost like a fairy tale. We have the greatest nic-el deposits in the world. According to Congressional reports furnished your American Congress, we have one district, lying 200 miles north of Toronto, 300 miles long and 75 miles broad, consisting of 650,000,000 tons of nickle. What possibilities there are in this for manufacturers of the United States and Europe it is not necessary for me to state. You can estimate the vast possibilities of this. You are all business men. We have made rich discoveries in copper, and, with the rise in the price of copper during this last year, it seems to us a very opportune time to have made the discovery. We have opened up corundum mines, which are very wonderful. We invite you to come in and develop them. We have no alien labor law in force; we are willing to make all these things as free as possible. We ask the attention of the world to us as a country to be developed, and we do not fear. You will find in us children of the same parent stock which wrested from King John the rights of Magna Charta and made the Anglo-Saxon race throughout the world synonymous with justice and fair play and of benefit to civilization generally.

Mr. Allan then moved, seconded by Mr. Bole, of Winnipeg, a resolution of reciprocity on equal terms to both countries in respect of navigation in the inland waters and canal systems. The resolution was unanimously carried by a standing vote.

MR. COCKSHUTT'S RESOLUTION.

Another important motion was presented in a resolution by Mr. W. Foster Cockshutt, Toronto, in a resolution which embodied this sentiment: "That the world's commerce would be benefited by the United States extending to other countries the same freedom of trade as those countries extend to the United States." Mr. Cockshutt said it was simply reciprocity, and that if their American friends could pass the resolution the work will not be put back. The motion was endorsed and passed by the commercial delegates present. Mr. Mitchell, of Halifax, presented another motion that a joint commission be appointed to arrange free trade in natural products between Canada and the United States. This, too, passed. Later on, Mr. Reeves, representing New Zealand, delivered a clever and eloquent address, in which he put some kindly, but pointed, criticism of the policy of the United States towards other countries. "We are always glad to see you," he said, "but if you pursue the policy of doing the selling without doing any buying, you will find that the countries on the other side of the ocean can play the same game." (Hear, hear.) "So far this great republic has not thought it worth while to make any special exertion to get our trade, but there is another country on the north of you that has had the far-sightedness to look a little in our direction—(hear, hear)—and I take the opportunity to welcome, on the part of New Zealand, that great country (Canada) on the north that is endeavoring to meet us half way."

The Congress was, therefore, not without its practical results and good influences.

HIGHEST SERVICE

comes only from highest quality. That which is good may serve well, but only the best can serve best.

Of nothing is this more true than of Paints, and it is in recognition of this that

THE SHERWIN-WILLIAMS CO.

manufacture all their goods.

The best is none too good for us, and we are constantly seeking for something beyond, striving to improve—never satisfied with present standards. We carry this principle into every department, from the time the raw material reaches us until the finished product is sold to the consumer.

Our methods of testing, grinding, mixing, can-filling, packing, shipping, and advertising are the best that can be employed, and we want the best men to handle our goods—men who can work with us to give "highest service from highest quality." We stand by such men every minute, to help them every way we can.

THE SHERWIN-WILLIAMS CO.
PAINT AND VARNISH MAKERS.

Canadian Division:
21 St. Antoine St.,
Montreal.

CLEVELAND.
CHICAGO.
NEW YORK.
MONTREAL.
BOSTON.
TORONTO.

WASHING STORE WINDOWS.

Strange as it may seem, there is a right and wrong way to wash windows; and as this operation is usually dreaded, the following method given by an exchange, will doubtless be appreciated, as it saves time and labor. Choose a dull day, or at least a time when the sun is not shining on the window; for when the sun shines on the window it causes it to be dry streaked, no matter how much it is rubbed. Take a painter's brush and dust them inside and out, washing all the woodwork inside before touching the glass. The latter must be washed simply in warm water diluted with ammonia. Do not use soap. Use a small cloth with a pointed stick to get the dust out of the corners; wipe dry with a soft piece of cotton cloth. Do not use linen, as it makes the glass linty when dry. Polish with tissue paper or old newspaper. You will find this can be done in half the time taken where soap is used, and the result will be brighter windows.

HE HAD A SLEIGH RIDE.

A merchant who had just returned from the Northwest told a member of the Toronto staff of HARDWARE AND METAL on Wednesday last that a few days previous he had a sleigh drive in a Manitoba town. While it is cold enough for snow in that section of the far-stretching domains of our Dominion, the residents of Toronto have been having almost summer weather; in fact, weather rather warmer than desired.

HEAVY SALES OF STEEL RAILS.

Heavy sales of steel rails have been made in the week, in tonnage and at a price going far to establish the present level of values through the coming year. Following the announcement that an advance from $33 to $35 would be made on standard sections, effective October 21, large deals were closed at $33. It is estimated that upwards of 1,200,000 tons have been booked first and last for delivery in 1900, and there is authority for an estimate close to 1,500,000 tons, exclusive of rails carried over, that cannot be rolled this year. These sales and the advance to $35 at a time when comment was thickening to the effect that the danger line in all prices had been certainly passed, have steadied the market on the present basis and given a strong guarantee of the preservation of substantially to-day's prices far into 1900. The belief that seemed to obtain in some quarters that all prices ought to be and would be lower for the first-half has been revised to read "ought to be, but will not." The largest reported sale of rails is 110,000 tons to the Pennsylvania Railroad, the order being divided up as is usual with this road's tonnage.—Iron Trade Review, October 26.

OBSTACLES TO SELLING.

A SALESMAN, says Stoves and Hardware Reporter, was asked for a certain article. When it was produced and the price, $1.25, was asked, he remarked that he had something else which would answer the same purpose and cost the purchaser only 10c. This last article was bought, and the customer went away wondering whether the clerk was about to quit and didn't care for his employer's interest, or was afflicted with too much honesty in the wrong direction.

Some clerks have a habit of sizing up their customer's financial standing and deciding that this is rather low. Then, when asked for a certain kind of goods, they say they have them in stock, but that they are rather expensive. They fail to consider the fact that customers are supposed to know what they want and how much they can pay for it. It is not the business of a clerk to place obstacles in the way of a purchaser. Actually, he is behind the counter to remove obstacles.

Nor are dealers entirely free from this objection, taking them as a class. It is perfectly proper to consult a customer's interests when these are compatible with the profit-making right of the dealer, but he is in the business for the purpose of making money and not for the benefit of the community. A case in point is where a customer was told by a dealer that the price on a certain line was too high, whereupon he went to another store to see what he could do—and he did it.

These are incidents taken from actual business experiences and not enlarged upon in any way. The deduction is very plain. Please your customers to the best of your ability and see that your clerks are imbued with the same idea, but don't sacrifice your pocketbook while this is being carried into effect. Clerks are very apt to forget this principle of business, especially when offering goods to some favored acquaintance, but there does not seem to be any excuse for the dealer.

CALCIUM CARBIDE EXPERIMENTS.

A series of experiments in the production of calcium carbide was recently conducted at the Armour Institute, Chicago, by Prof. Freeman, according to Iron and Steel. An apparatus of special adaptation for the purpose was employed, viz., a huge arc lamp inclosed in firebrick in the interior of a furnace. The upper electrode was hollow, and through it was fed a powder composed of 60 per cent. of common lime and 40 per cent. of coke. This powder, being carried through the upper carbon, or electrode, directly into the electric flame, it was melted by the intense heat, producing a light so brilliant as to render it impossible to gaze on it without protecting the eyes with dark-colored glasses. All the power of the electric plant of the institute was turned into the electrodes, and calcium carbide in a molten state ran away from the machine. It was estimated that the carbide was produced at a cost of ½c. per lb., which is important indeed, chemists and electricians having long been at work endeavoring to cheapen the process of making calcium carbide, as on this point depends, of course, the cheapness of acetylene gas. According to Prof. Freeman, the great gain indicated in the above experiments was the continuous production of carbide; in a word, the demonstration that it can be produced continuously by feeding the ground lime and carbon into the furnace.

GLASS MAKING BY ELECTRICITY.

A CORRESPONDENT writes: "Electricity has now been applied to so many uses that one is not surprised to find that a German inventor claims to have solved the difficulty of employing it in the manufacture of glass. For a long time past, the electric current has been used in welding metal, and the electric furnace at present supplies us, among other things, with carbide of calcium—the product that supplies us with acetylene gas. But there appears to have been some difficulty hitherto in maintaining the very high temperature required in the manufacture of glass. In the new process the usual materials will, of course, be employed in the composition of the glass; but it is declared that more can be melted in a quarter of an hour by the new method than could be melted in the old way in 36 hours. Instead of using large crucibles it is proposed to employ small ones, which can be conveniently moved about and which can be quickly and easily replaced by fresh ones filled with the necessary constituents as soon as the others are emptied of their contents. One curious result of the new mode of manufacture will be that glass works will be frequently established near streams where the water will provide the necessary power to drive the dynamos."—Iron and Coal Trades Review.

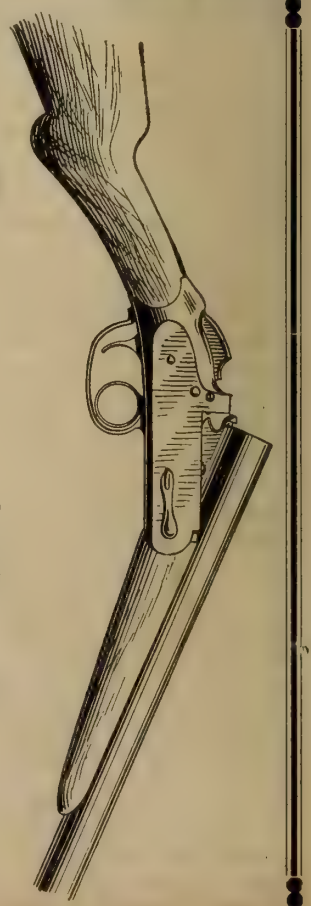
The Mining Stock Investors Co. of Ontario, Limited, has been incorporated with headquarters in Hamilton.

The Ansonia Brass and Copper Co. and The Coe Brass Co., of Ansonia, Conn., and the Waterbury Brass Co., of Waterbury, Conn., are arranging a consolidation. The new company will, however, be capitalized at about $6,000,000, all in common stock. The firm style has not yet been chosen.

Want a Gun?

— BUY AN —

IVER JOHNSON



The IVER JOHNSON

Ejector Single Gun.

New Principle.

No Top or Side Action.

Dealers who want good reliable single guns, to be sold at moderate prices, will find the new models of the Iver Johnson, Ejector and Top Snap, just the kind for their Fall business.

WRITE FOR PRICES.

Iver Johnson's Arms & Cycle Works

FITCHBURG, MASS.

IVER JOHNSON
Guns, Revolvers, and Bicycles
are Honest Goods at Honest Prices.

BRANCHES—
NEW YORK—99 Chambers St.
BOSTON—408 Washington St.
WORCESTER—304 Main St.

H. S. HOWLAND, SONS & CO.

ONLY WHOLESALE

37-39 Front Street West, **Toronto.**

WHOLESALE ONLY

"DEAD SHOT"



Best Black Powder made.

SCHULTZE POWDER.

HARD GRAIN.



Best White Powder.



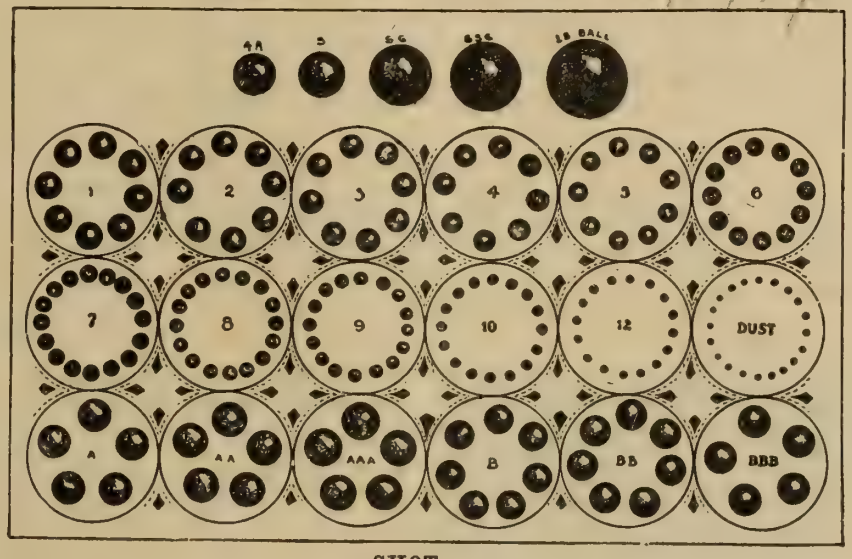


GUN WADS.

all returned 11/12/97



38 — 55.



SHOT.



30 — 30.

EMPTY PAPER SHELLS.

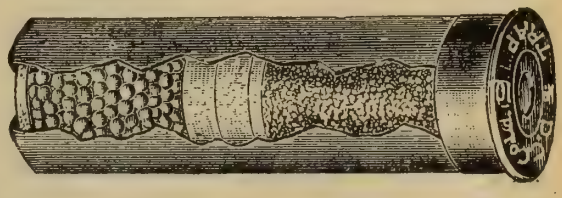
LOADED SHELLS.





Primers.

Gun and Musket Caps.



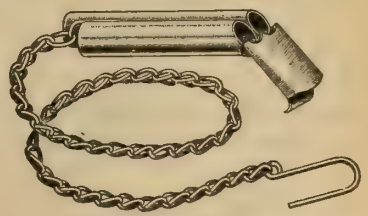
Both Canadian and American.



ECHO CALL.



DUCK CALL.



UNIVERSAL CALL.

H. S. HOWLAND, SONS & CO., TORONTO

ORDERS FOR POWDER SHIPPED PROMPTLY.

Graham Wire and Cut Nails are the Best.

OUR PRICES ARE RIGHT.

CAUSES OF FAILURE IN ALUMINUM.

ALUMINUM is certainly the most wonderful metal in the world, says an exchange. Weight for weight it is as strong as wrought iron, and by far the finest conductor of electricity known, and no metals, except gold and platinum alone, approach it in all-around resisting power to destructive influences. It is very fusible, however, its fusion temperature being about 650 deg. C., or about half that of cast iron, and at temperatures well below its point of fusion it becomes very brittle and untrustworthy. Hence, it is very unsuitable for use for purposes in the fulfilment of which capacity for resisting any but moderate temperatures is necessary. Slightly against this is its high specific heat, but that can hardly be pleaded seriously in extenuation of the drawback we have mentioned. Aluminum will not stand up against hydrochloric acid or caustic alkali. Neither will iron, or, in fact, any ordinary solid metal except gold, platinum, or silver. Aluminum resists crushing strain badly, although it equals in resistance to tension our best metal at resisting pressure, viz., cast iron.

The worst fault, however, remains behind, and this will be remedied as soon as absolutely pure aluminum is a commercial article. Aluminum as it occurs in commerce always contains silicon and iron as impurities. These elements stand to aluminum in a strikingly similar relationship to that borne by phosphorus and sulphur towards iron. Like them, silicon and iron are by a very long way the commonest impurities of their special affinity, and, like them, they are of all things the substances whose presence is most undesirable and does much harm even when the percentages of the impurities seem ridiculously small. As most people know, aluminum is prepared almost solely from bauxite, a mineral composed mainly of the sesquioxides of aluminum and iron, with not inconsiderable quantities of silica. Hence it is a matter of great difficulty to keep iron and silicon out of aluminum. "When it contains silicon," says Deville, "I know of no way to eliminate it; all the experiments I have made on the subject have had a negative result." As we have already mentioned, they are the very things whose presence in aluminum is the most prejudicial to the good qualities of the metal. If they are present in anything but the merest traces they make the aluminum brittle, and even when they do not exceed a proportion of the whole which passes over the hazy boundary of a trace, they exert a striking effect in imparing the power of the aluminum to resist corrosion.

This is no doubt due to the fact that these metals do not enter into proper combination with the aluminum, that is to say, do not form alloys with it. Scattered in minute and very numerous fragments through the mass they form thousands of minute voltaic couples whenever the impure aluminum is exposed to any gas or liquid capable of setting up galvanic action. This is doubtless the explanation of the great difficulty that has been experienced in using aluminum for ships' hulls or in any situation where it is exposed to sea-water. The analyses of sea-water which are given in our text books are very illusory. The difficulty is not so much to say what there is in sea-water as to say what there is not, and among the countless constituents of the great ocean it would be hard if there were not many capable of taking advantage of the weakened circumstances of the aluminum.

This shows conclusively that something has still to be accomplished in the commercial production of aluminum, viz., to produce a metal at marketable rates which is absolutely free, or the very next thing to it, from both these fatal impurities. The field of usefulness of aluminum will then be very widely extended, and the profit to the inventor very great. It is to be hoped that the attempts made to attain this object will succeed, although it is an invariable rule that the smaller the proportion of an impurity present the harder it is to get rid of it.

ENTIRELY TOO SMART.

IT is related of a traveling salesman that he offered to a retailer a certain line of goods at the then market price but was confronted with a copy of a trade journal in which the same goods were quoted at a lower figure. Rather than run the risk of missing a sale, and accepting the quotation as correct, the traveler made the sale at the lower figure, and was immediately notified of the error by his employers, who, nevertheless, completed the contract as he made it. Later developments, however, showed that the retailer had produced an earlier copy of the trade journal in question and that the quotation there given was lower than that in force at the time of the sale, a very material circumstance which had escaped the eye of the salesman. He did not notice the date of publication and the dealer failed to mention it.

This was a smart trick. It enabled the dealer to obtain goods at a lower than the prevailing price by methods which are not accepted by business men generally. But it was too smart. It is of the kind that reacts on the player. Such tricks never pay. They may establish a temporary advantage, but this is lost when the principles back of them—or rather, the lack of principle—are discovered by those with whom the trickster deals. It is very probable, if the name of the dealer referred to was given, as it could be, and if the full details of the transaction were published, that none of the manufacturers and jobbers would offer him their goods except at prohibitive prices. Such people are worth avoiding, and it is a fortunate thing that there are so few of them in the stove and hardware lines.—Stoves and Hardware Reporter.

TRADE CHAT.

THE VERITY PLOW CO., Brantford, Ont., shipped several carloads of plows to the Australian market on Saturday last. This is but half of the number ordered, and the remainder will be shipped as soon as possible.

The Chalcraft Screw Co., Limited, Brantford, Ont., has been incorporated.

The Guelph, Ont., Axle Manufacturing Co., Limited, has been incorporated.

The New Brunswick Mining Association, Moncton, N.B., is seeking incorporation.

The postage rate between Canada and Cape Colony has been reduced from 5c. to 2c. per ½-oz.

The activity of railway construction is making business at Fort Frances, Ont., excellent. A busy winter trade is looked for.

The Britannia Consolidated Gold Mining Co., of Ontario, and The Dupont Gold Mining Co., Limited., have been incorporated with headquarters in Ottawa.

The Simcoe, Ont., Reformer states that the merchants of that town deserve credit for the artistic and catchy way they had their windows dressed during fair week.

Settlers continue to flock to the Northwest and the demand for farm lands continues particularly good for this season. Sales in some cases are double those of the same time last year.

The mica mine situated near Sharbot Lake, and owned by Henry Moore, Ottawa, has turned out unusually rich. He has just been offered a standing bid from a New York firm of $50,000 for a half interest.

AN APT ANSWER.

"A countryman wandered into a hardware store on Union avenue the other day, and, after making some purchases, was asked by the rather fresh clerk: 'Don't you want to buy a bicycle to ride around your town on? They're cheap now. Can give you a first-class one for $35.' 'I'd sooner put $35 into a cow,' said the countryman. 'But think,' said the clerk, 'how foolish you would look riding around town on a cow.' 'Oh, I don't know,' said the countryman; 'no more foolish, p'raps, than I would milking a bicycle.'"—Kansas City Star.



Established 1860. Incorporated 1895.

Galvanized Kitchen Range Boilers

The "INVINCIBLE"

Tested to 150-lbs.

Made in the following sizes:

25, 30, 35, 40, 52 gal.

PRICES ON APPLICATION.

The Thos. Davidson Mfg. Co., Limited

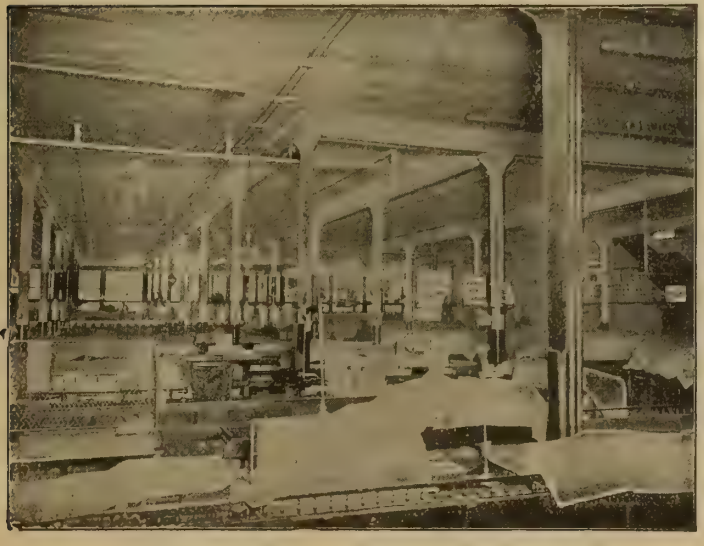
MONTREAL.

DARK DAYS ARE COMING

—AND—

YOUR STORE IS GLOOMY.

Buy Luxfer Prisms and tempt new customers in—by making your store airy, cheerful and bright. . . . . .



EATON'S—WITH LUXFER PRISM WINDOWS.



EATON'S—WITH OLD-FASHIONED GLASS.

LUXFER PRISMS ARE NO FAD.

Their popularity is due to the economy effected in artificial light. Dollars and cents do our pleading.

WRITE TO

Luxfer Prism Co., Limited

98-100 King St. West, TORONTO.

MARKETS AND MARKET NOTES.

QUEBEC MARKETS.

MONTREAL, November 3, 1899.

HARDWARE.

WHILE there has been some diminution in the aggregate volume, a fair trade is still doing in iron and hardware of all sorts. Few changes of importance are noted in hardware, but in heavy iron a firmer tendency is apparent in bar iron, and also in galvanized iron, tinplate and Canada plate. Trade also has been maintained well in wire nails, cut nails, horsenails, horseshoes, screws, and bolts and rivets, and it is generally admitted that the aggregate fall turnover this year has been from 50 to 75 per cent. greater than last year.

BARBED WIRE—Prices here are still unaffected by the rise in the United States, and business is quiet at $3.40 to $3.50.

SMOOTH STEEL WIRE—Business is lighter in this line, but values are steady on the basis of $3 35 per 100 lb.

GALVANIZED WIRE — There is only a quiet trade to report. We quote as follows: Nos. 6 to 8, $3.80; No. 9, $3.25; No. 10, $3.85; No. 11, $3.95; No. 12, $3.40; No. 13, $3.55; No. 14, $4 25; No. 15, $5 25, and No. 16, $5.40.

FINE STEEL WIRE—Discounts are unchanged at 12½ per cent.

BRASS AND COPPER WIRE—As last noted. Discounts 50 and 2½ per cent. on brass and 45 and 10 per cent. on copper.

FENCE STAPLES—Quiet and unchanged at $4.15 for galvanized and $3.55 for bright.

FINE STAPLES — Steady. We quote: Coopers' staples, 50 per cent.; poultry netting, 45 per cent., and electrical, etc., 40 per cent. discount off list.

WIRE NAILS — There is a fair quantity of goods still moving. We quote $3.30 to $3.35, with carlots less. Miscellaneous nails, 72½ off list.

CUT NAILS—There is a fair business still noted in these, though the volume is diminished. We quote $2.60 base.

COPPER WIRE NAILS—Unchanged at 50 off list.

FLOUR BARREL NAILS, ETC.—Continue the same; flour barrel, 20 per cent. and coopers' nails, 25 per cent. off list.

BOAT NAILS—Discounts remain 30 per cent.

GALVANIZED ROOFING NAILS—Unchanged at 8c. with 10 per cent off list.

HORSE NAILS—The movement in these is fairly well maintained. Discounts 50 per cent. on standard and 50 and 20 on Acadia.

HORSESHOES — Considerable quantities of these are still moving out. We quote as follows: Iron shoes, light and medium pattern, No. 2 and larger $3.70; No. 1 and smaller, $3.95; snow shoes, No. 2 and larger, $3.95; No. 1 and smaller, $4.20; X L steel shoes, new light pattern, No. 2 and larger, $4.00; No. 1and smaller, $4.25; featherweight, all sizes, Nos. 0 to 4, $5.25; and toe weight steel shoes, all forward, all sizes $6.35 f.o.b. Montreal, St. John, N.B., and Halifax, N.S. Delivered f.o.b. in Toronto, Hamilton, London and Guelph 10c. per 100 lb. extra.

SCREWS— The inquiry for these continues. Discounts: Flat head, bright, 80 per cent; round head do., 75; flat head, brass, 75; round head do., 67½.

BOLTS — In fair demand. Discounts

EVERYTHING FOR THE TINSHOP.

Nine Acres
..of..
Industry.

The Largest
Factory
Of its kind
In Canada.



For promqt shipment order from . . . McClarys.

The McClary Mfg. Co.
London, Toronto, Montreal, Winnipeg, Vancouver.

The very worst of galvanized iron is likely to imitate best—as to brand—no deeper.

Apollo Iron and Steel Company, Pittsburgh.

Cements { PORTLAND ROMAN KEENE'S

Bricks . . { FIRE BUILDING PAVING

Sand . . . { SILICA FIRE MOULDING BUILDING

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English Castor Oil
GUARANTEED PURE.
Pharmaceutical, Tasteless, Cold Drawn
First Pressure
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In cases of 2 tins and in barrels. Stocked by all Hardware, Oil and Color men.
The Hull Oil Manufacturing Co.
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Agents for Canada - MONTREAL

CANADA IRON FURNACE CO., Limited
Manufacturers of
CHARCOAL PIG IRON
MONTREAL.
BRAND "C.I.F." THREE RIVERS
PLANTS AT
Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.
Geo. E. Drummond,
Managing-Director and Treasurer

are as follows: Carriage bolts, 5-16 and smaller, 55 per cent.; ⅜ and up, 50 per cent.; full square bolts, 65 per cent.; machine bolts, 55 per cent.; coach screw bolts, 67½ per cent., and sleighshoe bolts, 72½ per cent.

NUTS AND WASHERS — Fairly active. We quote as follows: Square, 3¾c. and hexagon 4¼c. per lb. Washers in 50-lb. boxes are 35 to 40 per cent. discount.

RIVETS — Business is fair. Discounts are: Black and tinned, 45 per cent.; ditto burrs, 40 per cent.; copper rivets and burrs, 35 per cent.

CORDAGE — There has been no further change in rope. We quote: Manila, 14½ to 15c. for 7-16 and up, and 15½ to 16c. for ⅜ up. Sisal, 12 to 12½c. for 7-16 and up, and 13 to 13½c. for ⅜, and up.

CEMENT — The market is firm at the advance. We quote: Belgian, $2 to $2 30; English, $2.35 to $2.50; German, $2.50 to $2.70. Canadian brands are 30 to 50c. higher at $2.20 to $2.40.

FIREBRICKS — Unchanged at $17 to $23 per 1,000 as to brand.

METALS.

The only important change in metals during the week has been the continued easiness in copper and tin which has led to a decline here. In iron, prices generally are steady.

PIG IRON—This keeps firm, with sales of No. 1 Summerlee, in 50-ton lots, at $26 to $27, and No. 1. Carnbro, at $24.50. Nothing is reported in domestic pig.

BAR IRON—This is firm and in good demand, and round lots have realized higher prices, as $2.40 was paid for more than a carload.

BLACK SHEETS — In fair request and firm. We quote: 8 and 15, $2.60; 18 and 20, $2.30; 22 and $24, $2.50; 26, $2.60, and 28, $2.65.

STEEL — As last noted. We quote: Sleighshoe, $2.80; tire, $2.85: spring, $3.10; machinery, $3.60, and toe calk, $3.30.

GALVANIZED IRON—Demand continues active for this material. We quote as follows: No. 28 Queen's Head, $4.65 to $4 90, and No. 26, $4.40 to $4.65; Comet, No. 28, $4.35 to $4.60, and No. 26, $4.05 to $4 35.

INGOT COPPER—Continued easiness on outside markets has led to a decline of ½c., the range now being 18½ to 19c.

INGOT TIN—The slump in this metal at leading centres led to lower prices here, and now the outside figure is 36½c.

LEAD—There is no change in lead, which is quoted firm at $4.25.

LEAD PIPE — Business fair and prices steady. We quote ordinary 7c., and composition waste 7½c. with 17½ per cent. off.

HENRY WRIGHT & CO.'S
Anvils and Vises
RIGHT in PATTERN in QUALITY in PRICE
IN STOCK IN MONTREAL.

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MONTREAL.

ADAM HOPE & CO.
30 JOHN STREET N.
Hamilton, Ont.
GALVANIZED SHEETS
"QUEEN'S HEAD"
"COMET"
"APOLLO B B"
"JUNIATA"
STEEL SHEETS
20 to 28 Gauge
TIN PLATES
CANADA PLATES
SHEET ZINC
RUSSIA IRON

NOVA SCOTIA STEEL CO.
Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
Open Hearth Steel

BUSINESS NEWS
of any kind that is of value to business men supplied by our Bureau. We can give you market quotations from any town in Canada, reports from the city markets, stock quotations, etc. You can get commercial news from any Canadian paper through us.
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IRON PIPE—Prices are fairly held with a fair movement. We quote: Black pipe, ¼ to ⅜, $3.40; ½, $3.60; ¾, $4; 1, $5.75; 1¼, $7.50; 1½, $9.75, and 2-in., $12.75.

TINPLATES — These continue strong with a brisk business. Round lots of 100 boxes coke have changed hands at $4.25 and charcoal at $4.65. We quote case lots coke, $4.40 to $4.50, and charcoal $4 80 to $5.

CANADA PLATES—Round lots of these have sold at $2.50 to $2.60, and we quote: 52's, $2.60; 60's, $2.70; 75's, $2.80; full polished, $3.25; galvanized Canada plates, $4.55 for 52's.

TERNE PLATE—There is no change in ternes, which are held at $8.

SWEDISH IRON—As last quoted at $3.50.

COIL CHAIN—While an advance in price was expected, it has not yet materialized, but prices are very firm. We quote as follows: No. 6, 11c.; No. 5, 9½c.; No. 4, 8½c.; No. 3, 7½c.; ¼-inch, $6.25; 5-16, $5; ⅜, $4.50; 7-16, $4.35; ½, $4.25; 9-16, $4.20; ⅝, $4.10; ¾, $3.90; ⅞ and 1 inch, $3.80.

JACK CHAIN—Remains steady at 35 per cent. on steel and 40 per cent. on brass.

SHEET ZINC—As last quoted at 7½ to 7¾c.

ANTIMONY — Held firmly at 11 to 12c.

SPELTER—Remains steady at $6.50.

GLASS.

The long expected advance in the window glass market has come, owing to scarcity on spot and strong advices from abroad. Prices are 10 to 25c. higher, as follows: We quote: First break, $2.00; second, $2.10 for 50 feet; first break, 100 feet, $3.80; second, $4.00; third, $4.50; fourth, $4.75; fifth, $5.25; sixth, $5.75, and seventh, $6.25.

PAINTS AND OILS.

There has been no change in this department as regards values, but a good movement is noted in all lines. Advices from abroad in regard to lead are very firm, and if they continue so another rise in the price of white lead is not improbable in the near future. Linseed oil, turpentine, and oils generally are active and steady.

WHITE LEAD—Best brands, Government standard, $6.37½; No. 1, $6; No. 2, $5.62½; No. 3, $5.25.

DRY WHITE LEAD—$5.25 in casks; kegs, $5.75.

RED LEAD—Firm; casks, $4.75; in kegs, $5.

WHITE ZINC PAINT—Pure, dry, 8c.; No. 1, 6½c.; in oil, pure, 9c.; No. 1, 7½c.

PUTTY—We quote: Bulk, $1.65; bladders, in bbls., $1.80; bladders, in cases, $1.95; in tins, $2.05 to $2.30.

LINSEED OIL — Raw, 59c.; boiled, 62c., five to nine-barrels, 1c. less, ten and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—Single barrels, 77c.; two to four barrels, 76c.; five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Firm; $1.10 to $1.30 per gallon.

CASTOR OIL—Firm; 7½ to 8c.

SEAL OIL—35c.

COD OIL—32½ to 35c.

NAVAL STORES—Fair demand for all lines, and prices show no change: Resins, $2.75 to $4.50, as to brand; coal tar, $3 to $3.50; cotton waste, 4½ to 5½c. for colored, and 6 to 7½c. for white; oakum, 5½ to 6½c., and cotton oakum, 9 to 11c.

PETROLEUM.

Fair demand and steady. We quote: "Acme," 17½c.; "Silver Star," 16½c., and Pratt's "Astral," 21c.

HIDES.

Beef hides are steady. No. 1, 10c.; No. 2, 9c., and No. 3, 8c. Lambskins are 10c. higher, at 75c. Calfskins are 11c. for No. 1 and 9c. for No. 2.

COAL.

Steady. We quote: Stove, $5.75; chestnut, $5.75; egg, $5.50; Scotch grate, $6; Scotch steam, $4 to $4.50; Tower ports steam, $3.50 to $3.75.

MONTREAL NOTES.

Cement is firm at the late advance.

There has been an advance of 10 to 25c. in the price of window glass.

Round lots of bar iron have realized from 5 to 10c. more money this week.

Both ingot copper and ingot tin are ½c. per lb. lower owing to the decline abroad.

ONTARIO MARKETS

TORONTO, November 3, 1899.

HARDWARE.

BUSINESS continues good, with the tendency of prices still upward. Among the lines which have advanced are bolts and nuts, coil and wire chains, sap spouts, files of United States make, ice cream freezers, cotton twines and rope. The demand for wire nails is again showing some signs of improvement and a fairly good trade is being done. Cut nails are quiet. In wire, the principal movement is in hay-baling wire, and there is not much doing in it. Horseshoes and horse nails are both in good demand. Trade is good in bolts, in screws, and in rivets and burrs. Tinware and enameled ware are in moderate request. A good deal of cutlery and sporting goods are going out, and business

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'WELLINGTON' KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
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COVERT MFG. CO.
West Troy, N.Y.
DERBY SNAP.
With Plated Rust Proof and Guarded Spring
"THE LATEST AND BEST."
For Sale by all Jobbers at Manufacturers' Prices.

PRIEST'S CLIPPERS
BALL BEARINGS

Largest Variety, Toilet, Hand, Electric Power
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Highest Quality Grooming and Sheep-Shearing Machines.
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HAND AND POWER, easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel, and will not heat. 1899 catalogue ready.
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Makers of the
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Main Office and Works,
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Sizes, ¾ and ½-inch.

Cheapest IN THE WORLD.
J. M. LITCHFIELD
105 Beekman St., New York.
Made with 1½-inch shank with thread and nut.

PERSONS addressing advertisers will kindly mention having seen their advertisement in Canadian Hardware and Metal Merchant.

generally continues to be in a decidedly healthy condition.

BARBED WIRE AND STAPLES—The Canadian makers have, this week, fixed their prices on galvanized staples at $3.50. Barbed wire is quiet and unchanged at nominally $3.50 f.o.b. Toronto.

SMOOTH STEEL WIRE — There is a little doing in hay-baling wire, but in oiled and annealed trade is at a standstill. The base price is unchanged at $3.35 f.o.b. factory.

GALVANIZED WIRE — Trade continues quiet, with prices nominally unchanged. We quote: Nos. 6, 7, 8 gauge, $3.60; No. 9, $3.10; No. 10, $3.70; No. 11, $3.75; No. 12, $3.20; No. 13, $3.45; No. 14, $4.10; No. 15, $4.70; No. 16, $4.85.

WIRE NAILS—The concensus of opinion is that business in wire nails has improved a little since last week and a fairly active trade is being done for this time of the year. The possibility of an advance in sympathy with the advance in the United States may probably have had something to do with the freer buying. The price at Toronto is still $3.30 per keg for ordinary quantities and $3.22½ for carlots.

CUT NAILS—A little business is being done, but it does not amount to a great deal. The base price is unchanged at the $2.60 base f.o.b. Toronto, Hamilton and London.

HORSE NAILS—A good business is still to be noted. We quote: Standard, oval head, 50 per cent.; Acadia countersunk head, 50 and 20 per cent.

HORSESHOES — Business continues brisk, and prices firm and unchanged. We quote f. o. b. Toronto, Hamilton, London and Guelph as follows: No. 2 and larger, light, medium and heavy iron shoes, $3.80; snow shoes, $4.05; light steel shoes, $4.10; featherweight shoes, all sizes, $5.35. No. 1 and smaller, light, medium and heavy iron shoes, $4.05 per keg; iron snow shoes, $4.30; light steel shoes, $4.35; featherweight steel shoes, all sizes, $5.35.

SCREWS—There is no change in the situation, prices continue firm and business brisk. We quote: Flat head bright, 80 per cent. off the list; round head bright, 75 per cent.; flat head brass, 75 per cent.; round head brass, 67½ per cent.; flat head bronze, 67½ per cent.; round head bronze, 67½ per cent.

BOLTS — Business continues good, with stove bolts still the most active line in the list. The new discounts are as follows: Norway bolts, full square, 65 per cent.; common carriage bolts, all sizes, 50 per cent.; ditto, full square, 65 per cent.; machine bolts, all sizes, 52½ per cent.; coach screws, 65 per cent.; sleighshoe bolts, 70 per cent.; blank bolts, 52½ per cent.; bolt ends, 62½ per cent.; nuts, square, 3½c. off; nuts, hexagon, 4c. off; tapping nuts, 60 per cent.; tire bolts, 60 and 10 per cent.; stove bolts, 60 and 10 per cent.; plough bolts, 50 per cent.

ROPE—Prices are still without a basis on account of the cutting of figures by the manufacturers.

RIVETS AND BURRS—The demand keeps good. We quote: Carriage section, wagon box, rivets, etc.(steel), 60 per cent. off the list; ditto (Norway iron), 60 per cent.; black M rivets (steel), 55 per cent.; ditto (Norway iron), 45 per cent.; iron burrs, 40 per cent.; copper rivets, 35 per cent.; bifurcated, with box, $1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

WRINGERS — A fairly good trade is still being done. We quote as follows: "Leader," $60 per doz.; "Royal Canadian," $58; "Royal American," $48. Prices are all f.o.b. Toronto, Hamilton, Brockville, and Montreal. Discount, 45 per cent. Terms, four months, or 3 per cent. 30 days.

CHURNS—Business in this line continues, as before, good.

BUILDING PAPER—Nothing new has developed, trade being good and prices unchanged. We quote as follows: Plain building, 28c. per roll; tarred lining, 35c., according to quality; tarred roofing felt, $1.40 per 100 lb.; carpet felt, $2.75 per 100 lb.

ENAMELED WARE — The demand continues moderately good for the season. The discounts are as follows: "Princess" ware, "Turquoise" ware, blue and white ware, and white ware, 50 per cent.; "Diamond" ware, "Famous" ware, "Premier" ware, 50 and 10 per cent.; "Granite" or "Pearl" ware, "Imperial" ware, "Crescent" ware, 50, 10 and 10 per cent.

TINWARE — Coal hods, stove boards, oil cans, etc., are in good demand.

SAP SPOUTS—The price of sap spouts has been advanced materially, and dealers will have to pay about 100 per cent. higher than last year. Bronzed are quoted at $10 per 1,000.

COTTON ROPE AND TWINE—Prices have been advanced about 12½ per cent.

STOVES AND FURNACES —Trade continues active and prices firm. Discounts: Stoves and ranges 45 and 5 per cent.; furnaces, 40 and 5 per cent.; registers, 60 per cent.

SNOW SHOVELS—The demand is good at $3.10 per dozen for steel shovels.

SAD IRONS—A mistake was made last week in the new price on Mrs. Potts sad irons. The quotation should have been 90c. per set for plain and $1 for nickel-plated.

BRIGHT WIRE GOODS—Trade is fair and the discount firm at 55 per cent.

CUTLERY—Trade is most satisfactory in this line.

SPORTING GOODS—Large sales of guns, rifles and ammunition have been made during the past week or ten days.

CEMENT—The continued warm weather has kept sales very large, but a slackening in the demand is likely to follow the present colder weather. We quote in barrel lots: Canadian Portland, $2.65 to $2.90; Belgian, $3 to $3.10; English do., $3.25; Canadian hydraulic cements, $1 to $1.10; calcined plaster, $1.90; asbestos cement, $2.50 per bbl.

WRITE US FOR NEW PRICES

Owing to the continued advance in the cost of Iron and Steel Sheets, we are compelled to withdraw all former quotations—and will be happy to forward the new figures on any of our different lines, on application.

Our factory is still in operation 20 hours out of every 24 to enable us to fill orders promptly. Let us hear from you.

THE METALLIC ROOFING CO., Limited

1179 King St. W., TORONTO,

WHOLESALE MFRS. OF EVERY KIND OF RELIABLE FIREPROOF BUILDING MATERIAL.

John Bowman Hardware & Coal Co.,

LONDON, ONT.

Our Fall stock is now complete and we can supply at the best figures, **AXES, SAWS, LANTERNS, CORDAGE, CHAIN, WINDOW GLASS, PAINTS, OILS,** etc. Our importation of **CUTLERY, SKATES, ENGLISH GUNS, SHOT SHELLS, BLACK and SMOKELESS POWDER, SHOT, WADDING,** etc., now in.

Our Motto: Prompt Shipment, Right Prices.

METALS.

Tin has been irregular during the past week, but in other lines the metal market has, as a rule, been firm.

PIG IRON—The market continues strong and the demand good. We still quote No. 1 Hamilton iron at $24 f.o.b. the furnace.

BAR IRON—The demand appears to be as active as ever. The base price is firm and unchanged at $2.35 to $2.45 per 100 lb.

GALVANIZED IRON—A good many orders for spring delivery have been booked during the past week, and business in general is good. English iron is quoted at $5 and American at $4.75, although in case lots both can be bought at lower prices.

BLACK SHEETS—The demand continues decidedly brisk, with prices showing an upward tendency. We still, however, quote 28 guage at $3.25.

COPPER—Ingot copper continues quiet, with the demand for sheet copper brisk. We quote: Ingot copper 20 to 21c. per lb., and sheet, 23 to 23½c. per lb.

PIG TIN—The pig tin market has shown a great deal of irregularity during the past week and some sharp declines have been experienced during the week in London, Eng. Prices here are unchanged at 37c. per lb.

CANADA PLATES—The demand is still brisk. All-bright are quoted at $3.25; half-polished at $2.85, and all-dull at $2.74.

TINPLATES—The demand is fair, but no specially new features have developed.

IRON PIPE—The demand continues as active as ever with prices firm and unchanged. We quote as follows: Black pipe, ¼ to ⅜ inch, $3.90; ½ inch, $3.90; ¾ inch, $4.90; 1 inch, $6 40; 1¼ inch, $8.10; 1½ inch, $10.40; 2 inch, $13.85; 2½ to 6 inch, discount off the list 50 per cent. Galvanized pipe is quoted as follows: ½ inch, $6.50; ¾ inch, $8; 1 inch, $11.50; 1¼ inch, $16; 1½ inch, $20; 2 inch, $28.50.

LEAD PIPE — Business is only moderate. We quote: Ordinary pipe, 7c., and waste, 7½c. per lb.

PIG LEAD—Prices are higher, at 4¾ to 5c. per lb.

RANGE BOILERS — Trade is fair. We quote as follows: Galvanized, 30 gals., $8.30; 35 gal., $10; 40 gal., $11. Copper, 30 gal., $22; 35 gal., $26; 40 gal., $30; discount off copper boilers, 10 per cent.

SHEET ZINC — The demand is not as good as it was, but prices are unchanged, at 8 to 8¼c. per lb.

SPELTER — The demand has also eased off a little. Prices are still 7½ to 7¾c. per lb.

SOLDER—Trade continues good at unchanged prices. We quote: 21 to 22c. for half-and-half; 20½ to 21½c. for refined, and 20 to 20½c. for wiping.

ANTIMONY—Is quiet and featureless. We quote: Cookson's unchanged at 11 to 11½c. per lb.

PAINTS AND OILS.

Business is excellent for this time of the year. A brisk movement of linseed oil, dry colors, and varnishes is noted. Turpentine is quiet. Some buyers are stocking white lead in expectation of an advance, which may take place in the course of a few weeks. Seal and castor oils are somewhat easier, and prices are quoted lower. No changes are noted in other materials. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $6.50; No. 1, $6.12½; No. 2, $5.75; No. 3, $5.37½; No. 4, $5; dry white lead in casks, $5.75.

RED LEAD—Genuine, in casks of 560 lb., $5.00; ditto, in kegs of 100 lb., $5.25 to $5.50; No. 1, in casks of 560 lb., $4.75; ditto, kegs of 100 lb., $5.

LITHARGE AND ORANGE MINERAL—Litharge, 6 to 6½c.; orange mineral, 7½ to 8½c.

WHITE ZINC—Genuine, French V.M., in casks, $7 to $7.25; Lehigh, in casks, $6.

PARIS WHITE—90c.

WHITING — 55c. per 100 lb.; Gilders' whiting, 85c.

GUM SHELLAC—In cases, 20c.; in less than cases, 24c.

PLASTER PARIS — Ordinary, $1.75 per barrel; New Brunswick, $2 to $2.20 per barrel.

PUMICE STONE—Powdered, $2.50 per cwt. tion of cheap boilers, a reduction of 50c. has taken place in 30 gallon galvanized in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, $1.10 per gallon; No 1 quality, 90c. per gallon.

SEAL OIL—54c. per gallon, and yellow seal at 45c.

CASTOR OIL—East India, in cases, 8 to 8½c. per lb. and 9 to 9½c. for single tins.

LINSEED OIL — Raw, 1 to 4 barrels, 61c.; boiled, 64c.; 5 to 9 barrels, raw, 60c.; boiled, 63c.; 10 to 15 barrels, raw, 57c.; boiled, 60c.; 16 to 30 barrels, raw, 56c.; boiled, 59c. The prices for from 10 to 30 are strictly f.o.b. point of shipment, while delivery to any point in Western Ontario is included in the price of 1 to 9 barrels.

TURPENTINE—Single barrels, 75c.; two to four barrels, 74c., freight allowed; in less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

GLASS.

An immense business is being done, but, as this trade is largely due to the scarcity consequent on the non-arrival of import orders, dealers are at a loss to figure out how much greater than usual is the consumption in the country. Plate and ornamental are scarce and firm. Window glass prices are unchanged. We quote: Star, first break in 50-foot boxes, $2.15, and in 100-foot boxes, $4; double diamond under 25 united inches, $6, Toronto, Hamilton and London; terms 4 months or 3 per cent. 30 days.

OLD MATERIAL.

There is a brisk demand, though the delivery keeps large. Prices are firm. Dealers are paying here as follows: Agricultural

scrap, 55c. per cwt.; machinery cast, 60c. per cwt.; stove cast scrap, 45c.; No. 1 wrought scrap, 55c. per 100 lb.; new light scrap copper, 12½c. per lb.; bottoms, 11c.; heavy copper, 15c.; light scrap brass, 7½c.; heavy yellow scrap brass, 10c.; heavy red scrap brass, 11c.; scrap lead, 2½c.; zinc, 3c; scrap rubber, 4¾c.; good country mixed rags, 65 to 75c.; clean dry bones, 45 to 50c per 100 lb.

SEEDS.

The red clover market keeps firm with buyers paying $4.50 to $5 at outside points. The alsike market is easier, if anything, this week, but prices are unchanged at $7.50 per bushel for finest qualities. A fair movement of timothy is reported at $1.25 for extra choice to fancy, and 75c. to $1 for choice to fancy stock.

PETROLEUM.

A general firmness is manifested. Pratt's Astral has advanced ¼c., otherwise, there is no change. A brisk trade is being done. We quote as follows: Pratt's Astral, 18c. in bulk ($1 extra for barrels); American water white, 17¾c. in barrels; Photogene, 17¼c.; Sarnia water white, 16¾c. in barrels; Sarnia prime white, 15½c. in barrels.

COAL.

Prices are firm and unchanged. A good movement is reported. We quote anthracite for November delivery at Buffalo and bridges: Egg, stove, and nut, $4.75 per gross ton, or $4.24 per net ton; grate, $4.50 per gross ton or $4.01 per net ton.

MARKET NOTES.

Cotton rope and cotton twines are dearer.

Pig lead has been advanced ¼c. per lb.

American anti-friction castors are dearer.

Coil and wire chains and stall fixtures are higher.

A new and higher list on American files has been issued.

Ice cream freezers for next season's delivery are higher.

Bronzed sap spouts have been marked up to $10 per 1,000.

Castor oil is ½ to 1c. per lb. cheaper; seal oil is reduced 4 to 5c. per gal.

LONDONDERRY IRON CO. SOLD.

Under the Winding-up Act, by authority of the Superior Court of the Province of Quebec, the entire estate of the Londonderry Iron Company, Limited, was offered Tuesday by public auction by Mr. W. M. Kearns. The estate comprised upwards of 30,000 acres of mineral (iron) lands and town lots at Londonderry, Nova Scotia, with blast furnaces, rolling mill, foundries, coke ovens, railway and rolling stock, mines, houses, and other buildings, with the entire plant and machinery, as well as the Chignecto colliery at Meccan, Nova Scotia, consisting of a coal area of four square miles, with mines, buildings, houses and plant. These were sold for $137,000. The cash, outstanding claims, unsold materials, stores, goods, and all other rights or assets of the company realized $16,000. Mr. H. S. Holt was the purchaser. These are the terms of the binding offer contained in the advertisement of sale. Mr. George Creak, C.A., of the Bank of Toronto Chambers, Montreal, was the liquidator of the estate.

MONTREAL ROLLING MILLS.

FOR some time past there have been rumors floating about to the effect that the Montreal Rolling Mills Co. intended laying down plant and workshop at Sydney, Cape Breton; and this seemed to have been accentuated by some very definite detailed statements published on the spot. Mr. Macmaster was seen on Tuesday, and he denied that anything of the kind mentioned in the local newspapers had been arranged. What has actually taken place is this: Sydney people are booming their locality, and are desirous of having established in their midst a series of works of definite kinds, which shall develop the locality into a prominent industrial centre, and for that purpose they have been prophesying without knowing, or, in other words, counting their chickens before they are hatched. a hazardous conjectural process which sometimes is calculated to defeat its own ends.

Mr. Macmaster has been making inquiries in Sydney concerning taxation, probable concessions, and the many other preliminay details necessary to the formulation of a feasible scheme for aggrandizing his company; but at present, the whole matter is only in embryo, and has not even been officially laid before the directors of the Montreal Rolling Mills Company as a corporate body. Rolling mills without blast furnaces would be as useless as mustard without beef; and, as it will take until next September before the blast can be turned on, and it may be even a couple of years, it is far too early even to conjecture what may eventuate from mere casual and experimental inquiries. Obviously, in Sydney, the wish is father to the thought that inspired the literary lucubrations referred so; but the first authentic information on the subject will be known and published in Montreal before it reaches Cape Breton.

DEARER ICE CREAM FREEZERS.

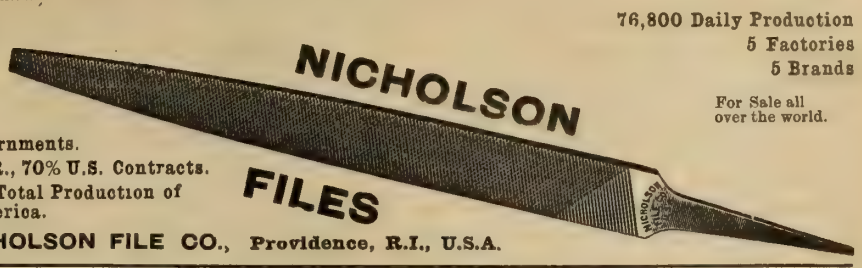
Ice cream freezers, like a good many other lines carried by the hardware merchant, will cost more next season than they did the last.

The manufacturers have recently issued a circular stating that, owing to the heavy increase in metals and other articles used in the construction of freezers, they have been compelled to materially advance their figures.

One of the firms, the manufacturers of the White Mountain freezers, gives the following as their new list of prices:

	White Mountain.	Arctic.
1 Quart	$1 80	$1 65
2 "	2 10	1 85
3 "	2 40	2 15
4 "	2 85	2 50
6 "	3 65	3 25
8 "	4 60	4 00
10 "	6 25	5 50
12 "	7 40	....
15 "	9 80	....
20 "	13 50	....
25 "	17 65	....

76,800 Daily Production
5 Factories
5 Brands
For Sale all over the world.



16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of America.

NICHOLSON FILE CO., Providence, R.I., U.S.A.

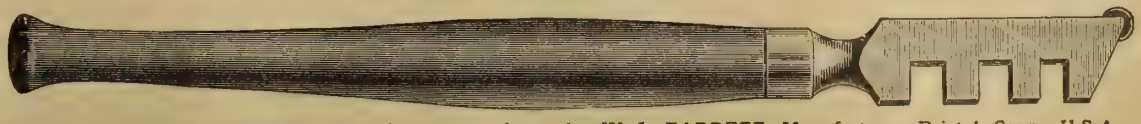
BRITISH PLATE GLASS COMPANY, Limited. Established 1773.

Manufacturers of **Polished, Silvered, Bevelled Chequered, and Rough Plate Glass.** Also of a durable, highly-polished material called **"MARBLETTE,"** suitable for Advertising Tablets, Signs, Facias, Direction Plates, Clock Faces, Mural Tablets, Tombstones, etc. This is supplied plain, embossed, or with incised gilt letters. **Benders, Embossers, Brilliant Cutters, etc., etc.** Estimates and Designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow 12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glass, St. Helens." Telephone No. 68 St Helens.

Barrett's Glass Cutters Standard

Barrett's Practical Glass Cutters are the standard the world over.



Sold by more Hardware Dealers than all other makes combined. Send for prices and sample. W. L. BARRETT, Manufacturer, Bristol, Conn., U.S.A.

MANITOBA MARKETS.

WINNIPEG, October 31, 1899.

THOUGH business continues good, and all prices are firm, the last two weeks have been without important advancement in any line.

The McClary Manufacturing Co. are busy moving into their splendid new warehouse on Bannatyne street east. It is one of the finest and most complete of the new business buildings.

The burning of Murray's mill is occasioning a good deal of delay in the completion of some of the buildings, as the interior wood work was in the mill and was totally destroyed.

Prices are as follows :

Barbed wire, 100 lb	$3 75
Plain twist	3 75
Staples	4 25
Oiled annealed wire, 10	4 02
" 11	4 09
" 12	4 15
" 13	4 30
" 14	4 42
" 15	4 55
Wire nails, 30 to 60 dy, keg.	3 80
" 16 and 20	3 85
" 10	3 90
" 8	3 95
" 6	4 10
" 4	4 15
" 3	4 20
Cut nails, 30 to 60 dy.	3 15
" 20 to 40	3 20
" 10 to 16	3 25
" 8	3 30
" 6	3 35
" 4	3 65
" 3	3 90
" 3 fine	4 20
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No 1	4 70
No. 2 and larger	4 45
Snow shoes, No. 0 to No. 1	4 95
No. 2 and larger	4 70
Steel, No. 0 to No. 1	5 00
No. 2 and larger	4 75
Bar and band iron, $2.90 basis.	
Swedish iron, $5 basis.	
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 20 gauge, 100 lb.	3 50
20 to 26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 gauge	4 25
18 to 22 gauge	4 50
24 gauge	4 75
26 gauge	5 00
28 gauge	5 25
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 55
26 gauge	8 80
28 gauge	8 00
Tinplate, IC charcoal, 20 x 28, box	10 50
" IX "	12 50
" IXX "	14 50
Ingot tin	38
Canada plate, 18 x 21 and 18 x 24	3 35
Sheet zinc, cask lots, 100 lb	9 00
Broken lots	9 50
Pig lead, 100 lb	4 50
Wrought pipe, black up to 2 inch	50 p.c.
" Over 2 inch	45 p.c.
Rope, sisal, 7-16 and larger	13 50
" ⅜	14 00
" ¼ and 5-16	14 50
Manila, 7-16 and larger	16 00
" ⅜	16 50
" ¼ and 5-16	17 00
Solder	23
Cotton rope, all sizes, lb.	16
Axes, per box	$6.00 to 8 00
Screws, flat head, iron, bright	75 and 10 p.c.
Round " "	70 p.c.
Flat " brass	70 p.c.
Round " "	60 and 5 p.c.
Bolts, carriage 5-16 and smaller	47½ p.c.
⅜ and larger	42½ p.c.
Machine	47½ p.c.
Tire	50 and 10 p.c.
Sleigh shoe	65 p.c.
Rivets, iron	37½ p.c.
Copper, No. 8, lb	33½ c.
Spades and shovels	40 p.c.
Harvest tools	50, 10 and 5 p.c.
Axe handles, turned, s. g. hickory, doz.	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 65
No. 1	1 25
Linseed oil, raw, per gal	62
" boiled "	65
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	40 p.c.
C.F. pistol	10 p.c.
C.F. military	Net.
Loaded shells, Robin Hood, M	$20 00
Eley's soft, 12 gauge	15 00
chilled, 12 guage	16 50
soft, 10 guage	20 00
chilled, 10 guage	21 00
American, M	16 25
Shot, Ordinary, per 100 lb	5 25
Chilled	5 75
Powder, F.F., keg	4 75
F.F.G.	5 00
Robin Hood	10 00
Tinware, pressed, retinned	70 and 2½ p.c.
" " plain	70 and 15 p.c.
Graniteware, according to quality	60 p.c.
Turpentine, by barrel	81c.
Less than barrel	86c.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

P. J. SHIELS, general merchant, Lyndhurst, Ont., has assigned to John Cawley, Athens, and a meeting of creditors has been called for November 4.

S. B. Annable, general merchant, Russell, Ont., has assigned to A. P. Mutchmor.

A. J. McLean, general merchant, Manitowaning, Ont., is offering to compromise.

Robert McDonald, blacksmith, Iona Station, Ont., has assigned to James Poole.

Alexander J. McDonald, general merchant and fish dealer, Seaside, N.S., has assigned.

James Little, harness dealer, Lindsay, Ont., has assigned to Duncan Ray, and a meeting of creditors has been held.

The estate of Samuel Ritcey, jr., general merchant, Ritcey's Cove, N.S., has been reconveyed to him by the assignee.

PARTNERSHIPS FORMED AND DISSOLVED.

C. B. & B. E. Hilchie, general merchants, etc., Tangier, N. S., have dissolved.

Bain & Sache, bicycle dealers, etc., Hamilton, have dissolved, James Bain continuing.

McLennan & Jardine, carriagemakers, Chatham, N.B., have dissolved. Albert McLennan continues.

Dill & Dalgleish, general merchants, Mount Forest, Ont., have dissolved. R. P. Dalgleish will continue.

Marcel Rousseau and Narcisse Turmain have registered partnership under the style of Rousseau & Turmain, builders, Montreal.

John D. Fullbrook and Joseph Innes have registered as partners under the style of Fullbrook & Innes, sawmillers, Harrison River, B.C.

Alphonse and Stanislas Robitaille have registered partnership under the style of A. Robitaille & Frere, carriagemakers, St. Laurent, Que.

SALES MADE AND PENDING.

G. A. Hetherington, general merchant, Luskville, Que., has sold out.

The business of J. Weiler, carriagemaker, Walkerton, Ont., is advertised for sale.

The stock of J. O. Fontaine, general merchant, Papineauville, Que., has been sold.

T. & H. Caldwell, general merchants, Orchard, Ont., are selling out and leaving that place.

The estate of the Londonderry Iron Co., Limited, founders, Acadia Mines, N.S., is advertised for sale by auction.

James Found & Co., sawmillers, Whitechurch, Ont., are advertising their mill, stock, etc., for sale at auction to close partnership.

CHANGES.

Robert Bell, jr., founder, Hensall, Ont., is moving to Seaforth, Ont.

James Henderson, blacksmith, Bellirica, Que., is opening up a general store.

P. Young, general merchant, Vittoria, Ont., has been succeeded by Harry Gustin.

S. McCormack & Son intend closing their general store in Lucan on December 1.

Rochon Bros, general merchants, Wilson's Corners, Que., have removed to Hintonburg, Ont.

W. J. Dowding, harness dealer, Goderich, Ont., has sold out to Gilbert House, who has removed to that place from Ilderton, Ont.

FIRES.

Fulton Bros., sawmillers, Fingal, Ont., have been burned out.

Wall Bros., dealers in paints, oils, etc., Montreal, have been burned out; insured.

George Fortin, blacksmith and carriagemaker, Adamsville, Que., has been burned out.

A STRIKING ADVERTISEMENT.

The Regina, N.W.T., Leader contains a unique yet effective full-page advertisement of The Regina Trading Co., Limited, one of the few departmentals of "the Great West." The strong features of this advertisement are the use of 13 cuts illustrating the several departments of the store, and the brief, pithy manner in which the writer says what he has to say. And he does not say too much, as is frequently done when full-page advertisements are written. The printers have helped the good effect created by displaying the "ad." well.

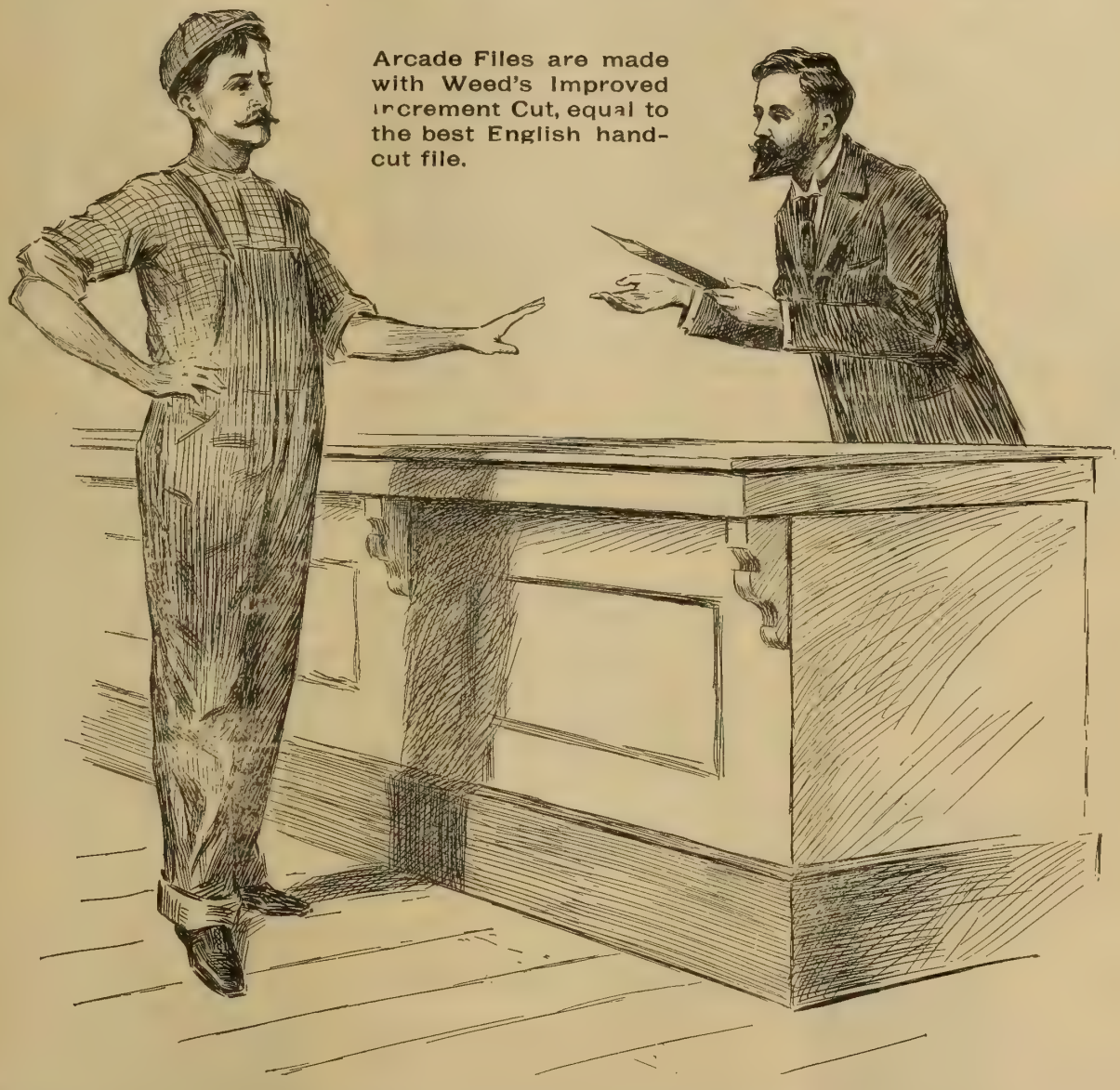
Got Off Easily.—"When I asked for a rise, I told my employer I had grown grey in his service." "What did he say?" "He said that if I had worked anywhere else I probably would have got bald."

The WORLD'S GREATEST FILE WORKS

ESTABLISHED 1842.

There is no other file "just as good."

THE ARCADE IS THE BEST



Arcade Files are made with Weed's Improved Increment Cut, equal to the best English hand-cut file.

"I want an ARCADE file."
"We are all out of ARCADE files. Try this; it is just as good."
"No, Sir. I want the ARCADE. It cuts faster and wears longer than any other file made."

THE ARCADE FILE WORKS

NEW YORK:
97 Chambers St.
SAMUEL W. ALLERTON,
President.

Works: ANDERSON, IND.
COURTLANDT C. CLARKE,
Sec. and Treas.

CHICAGO:
118 Lake Street.
ALFRED WEED,
Vice-President and Gen'l Mgr.

HEATING AND PLUMBING

ROOF GUTTERS AND LEADERS.

AMONG the petty annoyances connected with buildings, is the freezing and bursting of gutters and conductor pipes in cold weather ; or, more properly speaking, the freezing of the slush which collects in them and which upon thawing cracks and bursts both of these fixtures. Scientists tell us that water is the one element which expands when congealing, and probably the initial injury is done at the moment of freezing, and is probably aggravated when the expansion and disturbance due to melting takes place. Formerly gutters were made of wood, and the leaders were attached to them in a very crude manner, and continual leaks and delay were chronic ; the water was either discharged on the sidewalk or on the ground, thus undermining and destroying the foundations. Modern practice has substituted metal for wood in gutters, and corrugated and square pipes for leaders instead of the circular ones ; and the conductor pipes are now connected with the soil pipes and thus affords an easy outlet for roof-water, besides being a convenient and safe ventilator for the sewer system.

There are three methods of roof drainage ordinarily adopted : First, the metal gutter and leader; second, the parapet wall and box leader; third, the soil pipe roof leader. Each of these methods have their advantages and their failings. Let us deal with the first method : Flat roofs, of tin, or galvanized iron, generally have a metal gutter at their lowest end. This gutter is secured to the roof timbers by strips of iron, and soldered with a close joint to the tinning. At one end it is pierced by the leader, and the grade of the gutter is towards the leader; this leader should, and generally does, connect with the soil pipe and becomes the conduit for conveying the water into the sewerage system. This does very well during the mild seasons, but in a climate as uncertain and as variable as ours, the system speedily becomes unserviceable, defective and troublesome, often being the cause of great internal damage to a building.

The trouble arises in this way : At certain seasons the melting snow is arrested in the gutter by a sudden change of temperature which reduces it to a viscid consistency, usually denominated "slush." As this hardens into ice, the gutter and leader become choked and obstructed. The expansion of the ice, and contraction of the metal will combine to warp, and finally rupture the joint between the roof tinning and the gutter, and the weight of ice firmly congealed in the gutter will have a tendency to break it away from its moorings under the tinning. Thus, a large gap is often made through which the water finds its way into the building. This system is less objectionable in a southern exposure, and it may be made perfect if a steam pipe, through which exhaust steam escapes, be run alongside the gutter to keep it warm. The second method of meeting the roof-water difficulty is to carry the rear wall a foot or two above the roof timbers and cope it the same as the side walls. Form a valley against this wall to act as a gutter, which will lead the roof-water to a sluiceway or opening in the parapet wall, in which is firmly secured a spacious box-head attached to the leader, the opening in the wall being protected by lattice guards to prevent the washing down of cakes of ice. This method dispenses entirely with the metal gutter, although it still adheres to the metal leader. This system also requires a tight system of flashings in the brickwork near the valley in order to prevent the water from soaking into the walls.

The third method of conveying the water from the roof differs but little from the second. By this method, the soil pipe, which is inside the house, is made the leader, and the water is carried directly from the roof to the sewer, without being exposed to the outside temperature, and is therefore not likely to freeze. The warmth ascending the soil pipe in an occupied building is generally sufficient to keep the mouth of the pipe from freezing, and when a suitable cage or trap is placed over the orifice of the pipe, no ice will be able to enter it and thereby reduce the temperature. We have seen this plan put into practice with very satisfactory results.

The apprehension of any possible freezing of the water in this soil pipe is a perfectly idle one, because the pipe is too far removed from the action of the frost, and the gases of decomposition within the pipe generate heat enough to keep the temperature of the pipe considerably above freezing through its whole lie to within a foot or two of the roof. Roofs drained in this way are subject to fewer accidents, and the tinning, as well as the rear brick wall, are exempted from the trying effects of a cracked gutter and a bursted leader.—Canadian Architect and Builder.

A NEW HOTEL AT STE. AGATHE.

A Montreal company is to build a big hotel on the shore of Lac des Sables, Ste. Agathe, a place which has, of recent years, become celebrated as a health and pleasure resort. The capital of the company is $50,000. A tract of land embracing 30 acres has already been secured. The hotel will be within a mile and a quarter of the Ste. Agathe C.P.R. station. The building will be of frame, on a stone foundation, with a frontage of 200 feet and a depth of 40 feet, and will be planned so as to provide for additions and extensions when found necessary. The water supply of the town of Ste. Agathe will be put in, and the hotel will be heated by steam and lighted by electric light. David R. Brown, Canada Life Building, Montreal, is architect. The building itself is estimated to cost about $30,000, and will be three storeys in height with wide verandahs.

OTTAWA BUILDING BY-LAW.

At a meeting of the Ottawa Board of Trade, held last week, a warm discussion regarding the necessity of a more stringent building by-law in that city took place.

A committee appointed at a recent meeting of the board brought in a report to the effect that the present fire and building by-law is confusing and inadequate, and recommending that the city council be asked to revise the by-law to make it compulsory that all new buildings in the business section of the city (fire limit A.) should be built throughout of brick and stone, protected structural steel or other non-combustible material, and that the walls of such buildings shall be regulated in thickness according to height ; also that existing buildings which do not comply with this standpoint should not be allowed to be altered, but should be allowed to be removed outside the limit.

This report was so strongly opposed by some interested in the building trade, who declared that such a by-law would kill building operations in Ottawa, that, after some discussion, the matter was adjourned.

A slight increase in the value of permits issued in Toronto during October is shown over that of the same month last year. The figures are 1899, $99,350; 1898, $92,590. For the ten months the figures are 1899, $1,778,210 ; 1898, $1,512,380. The figures represent more building operations than are shown by any entire year from 1893 to 1897 inclusive.

PLUMBING AND HEATING NOTES.

The erection of a new Presbyterian church, estimated to cost $5,000, has been begun in Wallaceburg, Ont.

Robert J. Kyle has registered as sole proprietor of Kyle Bros., plumbers, Montreal.

Nap. Vezina, plumber, Quebec, is dead.

Dame Louise M. Pattee, wife of John C. Murray, has registered as proprietress of J. C. Murray & Co., contractors, Montreal.

Smith & Bond, architects, Toronto, are advertising for tenders from the various trades for the erection of the Stouffville, Ont., Pork Packing Co.'s factory.

W. H. Wallbridge, Frank McGee, J. C. Palmer, H. Lally and W. O. Whiting, are promoting in Toronto the formation of a joint stock company for the purpose of erecting a circuit of five first-class summer hotels in the Muskoka district.

Building permits have been issued in Toronto to Wm. Pakenham, for a two-storey residence on Huron street near Bernard avenue, to cost $3,000, and to John Hallam, for a five-storey brick and stone warehouse on the west side of Market street near Esplanade street, to cost $6,500.

PLUMBING AND HEATING CONTRACTS.

The Bennett & Wright Co., Limited, Toronto, have contracts for hot-water heating in offices for the Georgian Bay Navigation Co., Collingwood, and in residences in Toronto for Dr. Johnston, Bloor street, and Mr. Day, Delaware avenue.

The John Ritchie Plumbing and Heating Co., Limited, Toronto, have contracts for hot-water heating in residences for Mr. Brecken, Merton, Ont.; H. Gidding, Oakville, Ont.; Chas. Boeckh, George street; and for plumbing in a residence for R. Hull, Rosedale, Toronto.

LIME IN WATER FRONTS.

A subscriber writes: "Can you, through the medium of HARDWARE AND METAL, tell us if it is possible, and if so how, to clean out the lime which accumulates in water fronts? At present, the only way we have is to disconnect the water front, empty, and flush it with water. This method, however, is not satisfactory as it does not remove the lime, which forms a coat as hard as stone inside, and causes a banging noise when in operation."

To get the lime or grit from inside a water front it is, of course, necessary to disconnect it. Then, by hammering on the outside of the front, the grit is detached, and can be shaken out. It is frequently necessary to use the chisel to remove the grit coated around the opening. By these means, the banging noise can generally be stopped. When they fail it would be advisable to get a new water front.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY. MONTREAL.

SEND for specimen copy of Phillips' Monthly Machinery Register, containing over 5,000 entries of new and second-hand machinery of every description. The oldest established and most successful medium in the world. Established 25 years for the purpose of introducing those who have machinery for sale, to those who wish to buy, has a circulation of about 50,000 copies per annum, all over the world, and is used for continual reference by a large number of firms. It is consequently a most valuable advertising medium for all engineers and manufacturers. Subscription, 6s. per annum, price per copy, 6d. Sole Proprietor, CHAS. D. PHILLIPS, M.I.M.E., Newport, Mon., England. Telegraphic address: "Machinery, Newport, Mon."



If you Want to Learn Anything About Advertising,

If you are a business man and get or want to get business by any kind of advertising, and want to know how to advertise and make money; or if you are an employe and expect to go into business for yourself; or if you want to get into a new and profitable profession—we furnish the foundation—the accumulated knowledge on the subject. Investigation costs you nothing. Invaluable information will be sent Free.

Address Advertising World Publicity Club, Columbus, O.

FOR SALE.

A NEW MARLIN RIFLE

Never been used. Just the Rifle for practice. Price $30. Will take $20.

19 Board of Trade, Montreal.

The Syracuse Smelting Works

ARE MANUFACTURERS OF

Plumbers' and Tinsmiths' Solder

of highest quality. Highest market prices paid for old Brass and Copper.

SYRACUSE SMELTING WORKS

MONTREAL.

WESTERN Incorporated 1851.

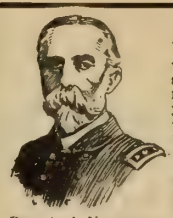
ASSURANCE COMPANY

Fire and Marine

Capital, subscribed	$2,000,000.00
Capital - - -	1,000,000.00
Assets, over - -	2,340,000.00
Annual Income -	2,290,000.00

Head Office: TORONTO, ONT.

Hon. Geo. A. Cox, President. J. J. Kenny, Vice-President
C. C Foster, Secretary.



Admiral Sampson

worked on a farm when a boy. By study at night he prepared himself for a brilliant career. We offer you greater advantages for a successful future if you study "between times" through

EDUCATION BY MAIL

in Electrical Mechanical, Steam, Mining and Civil Engineering; Metallurgy, Art, Architecture, Practical Newspaper Work, English Branches, Stenography, Machine Design and Mechanical Drawing. Low price; easy terms. The most thorough and complete course of any correspondence school in the world. Send to

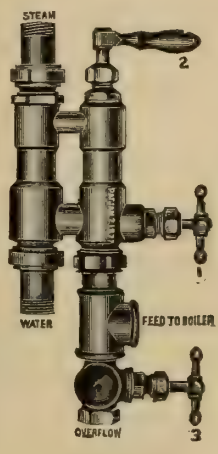
THE UNITED CORRESPONDENCE SCHOOLS,
154-158 Fifth Avenue, New York.
For free catalogue No. 108.

One of the
LEADING WHOLESALE HARDWARE HOUSES
in Montreal to-day is

SEYBOLD, SON & CO.,

Established 30 years.

Carrying a complete assortment of HARDWARE, from a Needle to an Anchor.



THE . . .

HANCOCK INSPIRATOR

This old established machine is proving itself universally the best Boiler Feeder for all uses.

Over 2,000,000 Sold.

Is a double tube machine. Has stronger working power than single tube machines.

The genuine manufactured only by

THE
James Morrison Brass Mfg. Co., Limited,
TORONTO

THE OAKVILLE BASKET CO.,



Manufacturers of

1, 2, 3 Bushel

Grain

AND

Root

BASKETS

THE OAKVILLE BASKET CO.

Toronto Foundry Co.

Manufacturers of SOIL PIPE, FITTINGS, SINKS, BOILER STANDS.

Nos. 146-148-150 Niagara Street, TORONTO

The only Exclusive Manufacturers of Soil Pipe and Soil Pipe Fittings in Canada. . . . . .

All goods stamped T. F. Co. are warranted

HOW GREAT BUSINESSES ARE BORN.

A MASS of knotty, dusty waste, full of sticks and leaves, pierced cocoons, and dead silkworms. "Fit to be chucked away, and nothing else," said the silk manufacturer, as he stood looking at this pile of

UNSAVORY WASTE.

What was his astonishment then when his companion, Mr. S. C. Lister, remarked that he would not mind giving a halfpenny a pound for the lot! "Take it, and welcome," said the man of silk. Mr. Lister had it carted off to his wool mills at Manningham, and there entered on the long series of experiments which, after bringing him to the verge of bankruptcy, ended by founding one of the biggest and most remunerative businesses the world ever saw — the manufacture of plush. To give some idea of the pluck of the man, he was no less than £360,000 to the bad at one time.

Britain owes very much of her prosperity to the invention of steel. The present development in that direction is due more to Sir H. Bessemer than anybody else. It was in 1836 his great discovery of making steel by passing air through liquid iron revolutionized the iron trade and started one of the biggest businesses in Britain. The price of steel went down at once over thirty per cent. Within thirty days of his reading the paper announcing his discovery, he received £27,000 from ironmasters for licenses to use his process. He granted these, and then regretted the step, and bought them back for £31,500. A good thing he did so. It paid him many times over in the long run.

The whole of the town of Reading, with a population now of about 70,000, depends directly or indirectly on the giant firm of Huntley & Palmer, the

BISCUIT MANUFACTURERS.

What Answerite is there who has not eaten of the dainty products of the immense factory which stands alongside the Great Western Railway? All this tremendous business, which is now capitalized at two and a half millions, owes its origion to the Palmer who, some sixty years ago, had a little shop in the town where he used himself to make one special kind of biscuit, and sell this delicacy from a tray to travelers on their way through the town. There are now no less than seven Palmers at the head of the great concern.

Many other big businesses have owed their origin to the possession by their founders of some special recipe — Lea & Perrins, for instance, the wealthy proprietors of the famous Worcester sauce. Many people now alive can remember the little chemist's shop in the High street, which was all they owned before they began the manufacture of the well-known relish.

Mr. Thomas Holloway's famous pills were the result of a recipe given by an old German woman to his mother. They were a failure at first, and their youthful manufacturer was thrown into prison for debt. When he got out he started a shop in the Strand, began advertising, and never looked back.

In the same way the secret of Day & Martin's blacking was imparted to them by an old soldier who strayed one day into their little shop and asked charity. They were good to him, and, in gratitude, he gave them the recipe which has made their name known the world over.

Twenty-two years ago the idea of an Australian cricket team visiting these shores was not even mooted. That such an innovation would cover expenses, let alone pay, was

MORE THAN DOUBTFUL.

It was the proprietors of a small restaurant in Melbourne who decided to risk their entire savings in the cause of sport. They did so, and who will deny that Messrs. Spiers & Pond deserve the success which has since attended them? The company, at the head of which is F. W. Spiers, is capitalized at considerably over a million, and supplies its customers with anything, from a suit of clothes to a beefsteak.

When a youngster will take the trouble to walk three days on end to look at some beds of tulips and rhododendrons it is quite evident that boy ought to make gardening his business. He did, leaving his father's business of corn factoring and milling, and to-day the

NAME OF SUTTON & SONS

is familiar to every Briton who has a garden, whether at home or in the colonies, and to most of our American cousins into the bargain.

The country at large owes very much to the development by Mr. Martin Hope Sutton of the humble but ever-useful potato. It is due to him and his firm that the devastating potato disease is no longer the fearful danger it was when it ravaged these islands and caused the awful famine in Ireland in 1846.

This attempt of Sir Thomas Lipton to "lift" the cup is not his first experience of America. More than thirty years ago, when a mere lad of fifteen, he emigrated to the States. He took any work that came to hand, and by dint of infinite care and patience eventually amassed $500 (£100). With this he returned to the Old Country and took a little shop in Glasgow, which he stocked with great care, and proceeded to advertise by means of gigantic colored cartoon posters hung outside. He slept in the little back room and toiled early and late. His £100 gradually became £200. He opened another shop. To-day, as everyone knows, his shops and branches are numbered by the score. And he can afford to spend £70,000 to £80,000 in an attempt to regain for his country the cup that has been lost to it for

ALMOST HALF A CENTURY.

Everyone has read with interest of the recent maiden trip of the biggest liner in the world—the Oceanic. This 20,000-ton floating palace was built at the yard of one of the biggest shipbuilding concerns in the word, Messrs Harland & Wolff, of Belfast, Mr. E. J. Harland was born 68 years ago at Scarborough. His father, though a doctor, was himself a good deal of a mechanical genius. In 1827 Dr. Harland invented and patented a steam motor-car, which worked to admiration.

Young Harland showed his bent early. He was always hanging around the yard, watching the wooden East Indiamen being built. His father apprenticed him at Robert Stephenson's works, where he worked 14 hours a day for a very small wage. He got on so well that at the age of 18 he was entrusted with the building of a locomotive. Then he invented a wonderful lifeboat, which was taken up by the Duke of Northumberland.

After a turn in the Glasgow yards, where he watched the early Cunarders being built, he went to Belfast as manager to Mr. Hickson. There he had most exciting times, for the manager he had succeeded had been very popular with the hands, who all struck at his dismissal. Young Harland was so plucky they all took to him, and soon he set up for himself.

He began increasing the length of ships, and building them with flat bottoms, taking fish as his model. So great was his success that the White Star gave him all their work. It was for them he turned out the first Oceanic in 1871. She, like the present ship, was the

MARVEL OF HER YEAR.

Lord Armstrong's name is one to conjure with amongst the steel workers of the civilized world. Few are aware that this mighty mechanic began life as a lawyer. He might have stuck to the law for life if he hadn't gone fishing one day. The fish were not rising, and Mr. Armstrong sat and looked at a "force," as they call them in the North—a waterfall tumbling over the rocks in front. The amount of power wasted there occurred to him, and suddenly there dawned on him the idea of the hydraulic machine, which was the first thing to make him known as a great engineer. The fame of this remarkable appliance has since been overshadowed by his wonderful guns. The gun he invented in 1859 was 57 times more accurate than any then in use, and enormously more powerful.—Answers.

THE . . .

Watson, Foster Company

Limited

Manufacturers of all grades of WALL PAPERS

Montreal, Canada.



The Factory Producing the Most Modern and Artistic Paper Hangings on the Continent.

Have you made your selection of Wall Papers for season 1899-1900? If not, now is the time to inspect our more-than-ever popular line. Our representatives are now on the road, and will have much pleasure in calling on you and showing you our new samples. The frequent introduction of up-to-date novelties, nobby styles, artistic gems, and popular sellers all through the extensive collection will render the ordeal a pleasing one to you. It will require very little or no argument to convince you that our assortment embraces the kind of papers you should have to hold your best trade and increase the volume of your business.

OUR { **HEAVY 21-INCH PAPERS** in Flats, Plain Varnish Golds, and Embossed Varnish Golds
INGRAINS—Most Fashionable Shades, with twelve handsome, remarkably rich matched Friezes
EMBOSSED PULP EFFECTS—the newest specialty out

Will accomplish the above results for you.

Note.---Freight equalized with Toronto for towns West of Belleville and West and North of Toronto.

WE CAN DO YOUR . . .

No Job is too Small or too Big for Us.

Job Printing

NEATLY
TASTEFULLY
EXPEDITIOUSLY

WE HAVE just added two new and the most improved presses to our plant especially adapted for fine job work. When you require anything in Letter Heads, Statements, Circulars, Dodgers, Envelopes, Booklets, Catalogues, or, in fact, anything in this line, let us know and we will be pleased to quote you prices on same.

The MacLean Publishing Co., Limited. *Montreal and Toronto*

THE LARGEST ADVERTISERS.

The largest advertisers in the world, says an exchange, are patent medicine men. Some of them invest even as much as 75 per cent. of their yearly revenues in advertising. One of the largest advertisers, whose wares are advertised all over the globe, is Beecham. In his advertising empire the sun never sets. His yearly appropriation for advertising is stated to be £250,000 or $1,250,000. He does not use large space, but large territory. His ad. can be seen in nearly all papers published in English-speaking countries. He is also advertising in Sweden and Norway, Denmark, France and Roumania.

The largest general advertiser in the United States is the Centaur Co. with about $500,000 a year, Sarsaparilla Hood with about the same amount. Dr. Pierce, of Buffalo with about $300,000, Lydia Pinkham about $250,000, Sarsaparilla Ayer with $250,000, Brent Good (Carter's Little Liver Pills) about $200,000, Scott & Bowne with $250,000. There are about 150 advertisers using up a yearly appropriation of $100,000 to $150,000, among them the Sterling Remedy Co., Postum Cereal Co., Frank Stuart (Dyspepsia Tablets), California Fig Syrup, Warner's Safe Remedies, Pyle's Pearline, Cuticura, Pond's Extract Co., Sapolio. There are at least 500 advertisers spending from $25,000 to $50,000 a year to secure business from every part of the country. That these concerns are prospering and have become so by advertising, does certainly not show that advertising does not pay.

A SOURIS, MAN, HARDWAREMAN.

Mr. James Bambridge, hardware merchant, Souris, Man., is in Toronto. Mr. Bambridge is erecting a new store and proposes fitting it up with wooden appurtenances. His hardware boxes and screw drawers will be of Bennett's patent and fitted with "Klondyke" sample holders.

A BRANCHING FIRM.

A. C. Thompson & Co., the progressive hardwaremen, of North Sydney, C.B., have opened a new branch in Sydney, and leased a store in the new Ross block on the main street. They are well known in Cape Breton to the general trade and public. This makes three stores they now occupy, and speaks well for this growing firm.

THE HEMP SITUATION.

Mail advices received this week in Montreal state that the market for Manila hemp is in a thoroughly starved condition, and we do not like to think what is going to happen if the ports in the Philippines are not reopened. Our manufacturers are poorly stocked and soon hemp will become virtually unobtainable, and the outside fibres, such as New Zealand and Mauritius, are fast getting absorbed, and at the very best these fibres are not obtainable in sufficient quantities to keep manufacturers going. Of course, the reopening of the ports at Manila would bring about a smart fall in values at first, but the demand from consumers, who will then have practically no hemp, must keep up prices for a considerable time. There is also great risk of such hemp as there is in the province being destroyed by the natives before the Americans can conquer the ports, and this has to be taken into consideration. All things considered, we do not see that anything like reasonable prices may be looked for for some long time to come. Mauritius hemp is exceptionally low in the circumstances, but the quantity obtainable is quite insufficient.

NEW FIRMS STARTING.

Geddes & Co. are starting a hardware store in Hepworth, Ont.

Lobb & Muir have commenced as carriagemakers, etc., in Vancouver.

T. Crevier & Co. are starting as founders in Montreal.

M. B. Moot is opening a harness store in Snowflake, Man.

Standard Steel Toe Calks

Sizes of Blunt:



WRITE FOR DISCOUNTS.



Sizes of Sharp Calks below for Fall of 1899:

No.	Length.	Size.
0	1½ inch	3/8 x 5/16
1	1½ "	1/2 x 5/16
2	1¾ "	9/16 x 3/8
3	2 "	5/8 x 3/8
4	2¼ inch	3/4 x 3/8
5	2½ "	3/4 x 3/8
6	2¾ "	7/8 x 7/16
7	3 "	7/8 x 7/16

Price, $1.25 per box of 25 lbs. in bulk.
Or 24 lbs. in 4-lb. packages.

No.	Length.	Size.
0	1½ inch	9/16 x 3/8
1	1¾ "	9/16 x 3/8
2	2 "	11/16 x 7/16
3	2¼ "	3/4 x 1/2
4	2½ inch	3/4 x 1/2
5	2¾ "	15/16 x 9/16
6	3 "	15/16 x 9/16

Price, $1 50 per box of 25 lbs. in bulk.
Or 24 lbs. in 4-lb. packages.

JAMES PENDER & CO., Limited, Sole Mfrs. **Saint John, N. B., Canada.**

ALTERATIONS TO AN AYLMER STORE.

J. H. Glover, Aylmer, Ont., has been making extensive alterations in his present premises to accommodate his rapidly growing business. An addition to the store of 53 feet has been made, making, in all, a store of 136 x 24 feet. The latter part will be used as a stove display room, and the present shelving will be replaced by the latest up-to-date pattern of framework and wooden boxes. The unique features of the extension are a complete glass rack and iron rack, the latter greatly facilitating the handling of iron and blacksmiths' supplies.

In making these improvements, Mr. Glover is, as usual, keeping well in the lead of this busy little town's business men and their enterprises, and will feel fully compensated for the outlay by the greater comfort and extended facilities. S. McK.

HARDWARE IN VANCOUVER.

Prices in most lines quoted hold steady, with no reduction, but advances have not been great recently. Nails, wire and cut, have not risen past the high figures given, though it looked as if they would. Demand in builders' hardware is especially good at the present moment. There is considerable doing in finishing off buildings, and, as a consequence, fittings, locks, etc., are the lines most called for.

The last four sailing vessels arriving from British ports have all carried large supplies of staple hardware lines for local firms, and one of them for instance, which was three months overdue, having been nine months on the voyage, brought consignments of iron ware, such as chain, tinplates, and other articles which have greatly enhanced in value since being shipped. Supplies in most lines are now full.—The Province, Vancouver, October 23.

PATENT REPORT.

Below will be found a list of patents recently granted to Canadian inventors through the agency of Marion & Marion, patent attorneys, Montreal and Washington, D.C.:—No. 64223, Damase Prince, St. Gregoire, P.Q., drain ditching plow; No. 64209, D. Campbell and B. Trumpour, Thornhill, Man., straw burning stove; No. 64250, L. E. Rozo, Colombes, France, aviator or flying machine; No. 64294, H. A. Fraser, Hamiota, Man., combined stump and scrub puller; No. 64318, T. H. Patching, Sydney, New South Wales, automatic coupling for air brakes; No. 64295, Messrs. Cliff, Cliff & Wardlaw, Dundas, Ont., automatic water supply device for acetylene gas apparatus; No. 64352, A. Thompson, Douglas, Man., weeding machine; No. 64420, M. G. Lambert, Katevale, P.Q., combination tool; No. 64429, J. A. Painchaud, Montreal, P Q., acetylene gas generator.

WARNOCK'S TOOLS

have been Canada's Standard for 55 years---since 1844. Every article bearing our name is fully guaranteed. Always specify **"Warnock's."**

James Warnock & Co., - Galt, Ont.

COW TIES

Greening's Patent

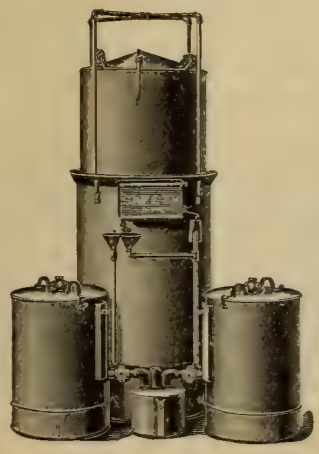
We make the following:

Open Ring, six sizes.
Small Closed Ring, six sizes.
Large Closed Ring, six sizes.
Three Chain, six sizes.
Greening's Special Tie with Stall Fixtures, five sizes.

Our ties have stood the test for years and are undoubtedly the best in the market. Send for new price list. For sale by all jobbers.

The B. GREENING WIRE CO., Limited

HAMILTON and MONTREAL.



The "SAFETY"

ACETYLENE GAS MACHINE

manufactured by

The Safety Light & Heat Co.

DUNDAS, ONT.

What some of our friends say of us:

Dear Sirs,—The 30-light machine we got from you last November is working to our entire satisfaction. The light is clear and steady. Comparing the cost with that of coal oil it is much cheaper, and while it costs us as much to light our premises as it did with Pittsburg lamps, the results are such that we would not go back to the oil lamps if they cost nothing. Compared with other business places in town we appear to be having a celebration.

THORBURN & SON, General Merchants,
Broadview, N.W.T.

There are 205 in successful operation in Canada.

HUTCHISON, SHURLY & DERRETT

DOVERCOURT TWINE MILLS.

1078 BLOOR STREET WEST, TORONTO.

Having equipped our Factory with entirely new machinery, we are prepared to furnish the best made goods in the market at closest prices and make prompt shipments.

Hand Laid Cotton Rope and Clothes Lines,
Cotton and Russian Hemp Plough Lines, plain and colored.
Cotton and Linen Fish Lines, laid and braided.
Netted Hammocks, white and colored, Tennis and Fly Nets.
Skipping Ropes, Jute, Hemp and Flax Twines.

SOME STORES IN WINDSOR, N. S.

THE town of Windsor, in Annapolis Valley, Nova Scotia, which was destroyed by fire about two years ago, has risen from the ashes and now has a very presentable appearance with its numerous new stores and brick buildings. It would be safe to say there is no other place of its size in the Maritime Provinces that can show such a fine lot of healthy commercial institutions.

The latest addition to the fine buildings is that of Dimock & Armstrong, hardware merchants, who rebuilt on the site which they occupied previous to the fire, and they certainly have a warehouse and store that would do credit to a city of three times the size and population of Windsor. The structure is three storeys high and basement, with stone front. The building is 54 feet long by 42 wide, which gives it a massive appearance to passers-by. The interior is finished with embossed metallic ceilings and walls. The counters, woodwork and shelving are of light oak. The store is lighted by electricity throughout, and has two large plate-glass fronts. The offices are cosy and comfortable in size, and are situated on the right-hand side at the end of the store. A figured-glass partition adds greatly to the beauty of the store. In building, they were careful to select nothing but the finest materials, and the workmanship is the best that money could command. There is a clear floor space of about 30 x 30 feet, which is a great advantage to show off their large range of goods. The firm are composed of Messrs. W. K. Dimock and A. Armstrong, who are very popular and progressive citizens and keen buyers, which facts have placed their large and extensive business where it is to-day.

A NORTH SYDNEY HARDWARE STORE.

North Sydney is not behind in the Cape Breton boom. Several merchants look forward to a large trade in future, and are making several improvements, and enlarging their premises accordingly.

One of the latest additions to the business ranks is the firm of Bent & Cahoon, hardware merchants, New Glasgow, who have opened a branch store in North Sydney, and keep a large and well-assorted stock of general hardware and carriage stock. The premises are large and remodeled to suit their trade. This end of the business is managed by Mr. H. F. Cahoon, who is an experienced hardwareman in every sense of the word.

They have issued a 4-page illustrated folder enumerating the various lines of goods they carry in stock, and this they have distributed through the country. This idea has brought them a good deal of business, and there is no doubt a catchy feature of the circular is the word "hardware" composed of various tools and cutlery.

UNITED STATES MANUFACTURES FOR ENGLAND.

There is scarcely a line of manufactured goods for which the demand from England is not above the average. If it were possible to make deliveries for machinery and kindred lines this season's business would, without a doubt, be the largest on record. Cable quotations on many lines of finished iron material, it is stated, have been requested from London and other English commercial centres daily, not with a view to speculate, but merely to take advantage of low prices and buy if the opportunity is offered. The domestic boom in railroad iron, iron pipe, plates, etc., is so extensive that foreign buyers are said to be keeping a close watch on what is offered on this side in order to make future contracts; yet, notwithstanding their desire, it is difficult for large foreign buyers to get the chance at present to close contracts. During the week ending October 24, the total value of exports to London and Liverpool from this port reached $2,679,908. The bulk of this large exportation is made up of manufactured product. — New York Journal of Commerce.

"Not in the Trust"

THE TORONTO SILVER PLATE CO., LIMITED
"THE GOODERHAM COMPANY"

SILVERSMITHS AND MANUFACTURERS OF ELECTRO SILVER PLATE.

STERLING SILVER



No. 20, $21.60 list, per dozen. No. 19, $21.60 list, per dozen. No. 17, $24.00 list, per dozen. No. 18, $24.00 list, per dozen. No. 15, $33.60 list, per dozen.

NAPKIN RINGS.

ELECTRO SILVER PLATE



Large Teapot, $6.50 list. Cream, $4.00 list. Sugar, $4.00 list. Small Teapot, $5 00 list.

NO. 1610 TETE-A-TETE SET.

Have you received a copy of our new Catalogues? If not, and in the trade, write for same.

FACTORIES AND SALESROOMS:
King St. West, Toronto, Canada.

E. G. GOODERHAM,
Managing Director.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, **Montreal.**

Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates, Galvanized Sheets, Imitation Russia Sheets, Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.



VanTuyl & Fairbank

Petrolia, Ont.

Headquarters for . .

Oil and Artesian Well Pumps, Casing, Tubing Fittings, Drilling Tools, Tables, etc.

R. C. LeVESCONTE

Barrister, Solicitor, Notary, Etc.

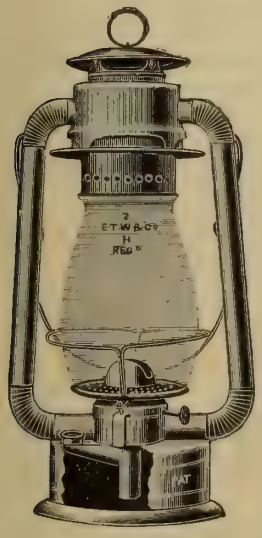
THE McKINNON BUILDING
Cor. Jordan and Melinda Streets

. . . TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.

No. 3 Patent Well.

"Oil wont spill if upset."



Manufactured by

E. T. WRIGHT & CO.

Hamilton, Canada.

Send for New Catalogue.

TRADE MARK J REGISTERED.

"JARDINE" TIRE UPSETTERS WILL UPSET TIRES

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

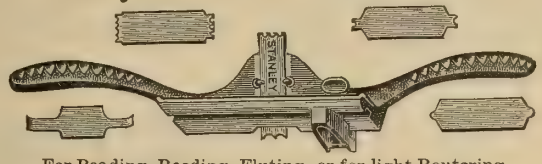
A. B. JARDINE & CO.
HESPELER, ONT.

IMPROVED
Labor-Saving
CARPENTERS' TOOLS.

STANLEY
RULE & LEVEL CO.
New Britain, Conn.

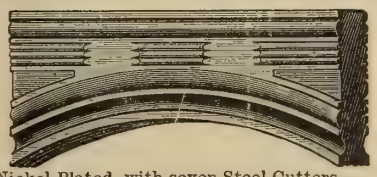
SOLD BY ALL
Hardware Dealers.

Stanley's Universal Hand Beader.



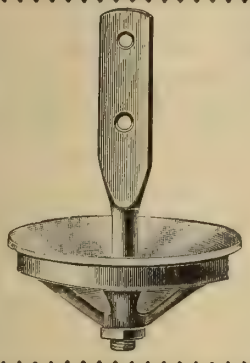
For Beading, Reeding, Fluting, or for light Routering.

SAMPLE OF WORK



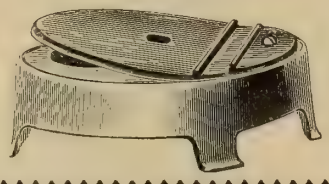
DONE BY BEADER

No. 66. Nickel Plated, with seven Steel Cutters $1 00



Valves and Plungers.

Only the very best leather and rubber are used in these goods, and all are carefully and evenly fitted, making them the best of their kind.



Berger Bros. Co.

PHILADELPHIA, U.S.A.

HARRINGTON & RICHARDSON ARMS CO.

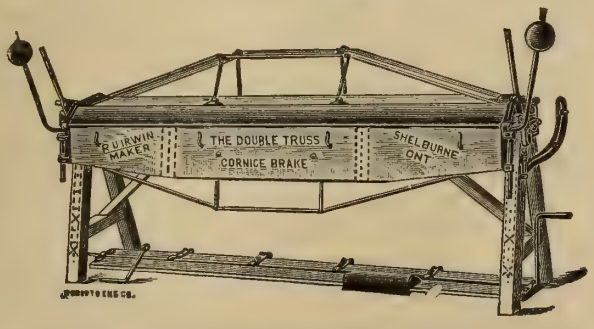
WORCESTER, MASS., U. S. A.



Makers of
High Grade REVOLVERS

SEND FOR COMPLETE CATALOGUE.

For sale by Sporting Goods and Hardware Stores almost everywhere.



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

Price, $50

Very handy beader attachment, $10 extra if required.

Send for circulars and testimonials to

The Double Truss Cornice Brake Co. SHELBURNE, ONT.

STEVENS RIFLES



THE FAVORITE

is made in three calibres

22, 25 and 32 Rim Fire

and is the best low-priced rifle made. Highest quality of work. Accuracy guaranteed. Weight, 4½ lbs.

No. 17, Plain Sights—	**List**	**$ 8.00**
No. 18, Target Sights—	**"**	**11.50**
No. 19, Lyman Sights—	**"**	**12.00**

Send for our complete catalogue.

J. STEVENS ARMS & TOOL CO.

For Sale by All Leading Canadian Jobbers At Trade Discounts.

P.O. Box 215, CHICOPEE FALLS, MASS., U.S.A.

WADE & BUTCHER'S

"SPECIAL" Razors

Are unequalled for quality and finish.

JAMES HUTTON & CO., - MONTREAL

Sole Agents for Canada.

CURRENT MARKET QUOTATIONS

Nov. 3, 1899.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—	
56 and 28 lb. ingots, per lb.	0 37
Straits	0 37

Tinplates.

Charcoal Plates—Bright.

	Per box
M.L.S., equal to Bradley.	
I.C., usual sizes	$6 50
I.X., "	7 75
I.X.X., "	9 00
J. R. & Co.—	
I.C	6 00
I.X	7 25
I.X.X	8 50
Famous—	
I.C.	6 25
I.X.	7 50
I.X.X.	8 75
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	5 75
I.X.X. "	6 50
I.XXX., "	7 25
D.C., 12½x17	4 50
D.X	5 25
D.X.X	7 25

Coke Plates—Bright.

Bessemer Steel—	
I.C., usual sizes	4 35
I.C., special sizes, base	4 50
20x28	8 75

Charcoal Plates—Terne.

Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 50
I.X., Terne Tin	10 50

Charcoal Tin Boiler Plates.

	Per lb.
Cookley Grade—	
X X., 14x56, 50 sheet bxs	0 07
" 14x60 "	0 07½
" 14x65, "	

Tinned Sheets.

72x30 up to 24 gauge	0 08 0 08½
" 26 "	0 08½ 0 09
" 28 "	0 09 0 09½

Iron and Steel.

	Base	Price
Common Bar, per 100 lbs	2 35	2 45
Refined " "	2 85	2 95
Horse Shoe		2 65
Hoop steel, 1½ to 3 in. base, extras for smaller sizes		2 75
Swedish " "	4 00	4 25
Sleigh Shoe Steel " base		2 70
Tire Steel		2 70
Machinery		2 65
Cast Steel, per lb	0 10	0 14
Toe Calk Steel		3 25
Thos. Firth & Sons' Cast Steel	0 12	0 14
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker.	2 00	2 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½-inch	0 11
2 "	0 12
2½ "	0 14
"	

Steel Boiler Plate.

¼ inch	3 25
3-16 inch	3 40
⅜ inch and thicker	3 25

Black Sheets.

18 gauge	2 75
20 gauge	2 75
22 to 24 "	2 90
26	3 00
28 "	3 25

Canada Plates.

All dull, 52 sheets	2 75
Half polished	2 85
All bright	3 25

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ⅜ inch $3.90; ½ inch, $3.90; ¾ inch, $4.90; 1 inch, $6.40; 1¼ inch, $8.10; 1½ inch, $10.40; 2 inch, $13.85. 2½ to 6 inch, discount 50 p.c.

Galvanized, ⅛ inch, $6.50; ¾ inch, $8.00; 1 inch, $11.50; 1¼ inch, $16.00; 1½ inch, $20.00; 2 inch, $28.50.

Galvanized Iron.

	G C. Comet.	Amer.	Queen's Head
16 gauge			4 25
18 to 24 gauge	4 50 3 80	3 95	4 50
26 "	4 75 4 10	4 35	4 75
28 "	5 00 4 35	4 60	5 00

Less than case lots, 25c. per 100 lb. additional.

Chain.

Proof Coil, 3-16 in., per 100 lb	
" ¼ " "	8 25
" 5-16 " "	6 25
" ⅜ " "	5 50
" 7-16 " "	5 30
" ½ " "	5 10
" ⅝ " "	4 90
" ¾ " "	4 85
Halter, kennel and post chains, 40 and 50 p.c.	
Cow ties	40 p.c.
Stall fixtures	35 p.c.
Trace chain	25 and 5 p.c.
Jack chain, iron, single and double, discount 35 p.c.	
Jack chain, brass, single and double, discount 40 p.c	

Copper.

Ingot.	
English B. S., ton lots	0 20 0 21
Lake Superior	
Bolt or Bar.	
Cut lengths, round, ½ to ⅞ in.	0 23½ 0 25
" round and square 1 to 2 inches	0 23½ 0 25
Sheet.	
Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 23 0 23½
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 23 0 23½

NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.

Tinned copper sheets	0 26
Planished	0 32

Braziers. (In sheets.)

4x6 ft. 25 to 30 lbs. ea., per lb.	0 25½
" 35 to 45 " "	0 24½
" 50-lb. and above, "	0 23½

Boiler and T. K. Pitts.

Plain Tinned, per lb	0 28
Spun, per lb	0 32

Brass.

Roll and Sheet, 14 to 30 gauge, 5 per cent.

Sheets, hard-rolled, 2x4	0 24 0 25
Tubing, base, per lb	0 24 0 25

Zinc Spelter

Foreign, per lb	0 07½ 0 07¾
Domestic "	

Zinc Sheet.

5 cwt. casks	0 08
Part casks	0 08¼

Lead.

Imported Pig, per lb	0 04¾ 0 05
Domestic, per lb	
Bar, 1 lb	05
Sheets, 2½ lbs. sq. ft., by roll.	0 05¼ 05½
Sheets, 3 to 6 lbs., per sq. ft., by roll	0 05 0 05¼

NOTE.—Cut sheets ½ cent per lb. extra

Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 17½ per cent. discount

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths, lists at 7½ cents.

Shot.

Ordinary, drop, $4.75 per 100 lb.; chilled, $5.15 per 100 lb. F.O.B. Toronto; terms 3 per cent cash, freights equalized on Montreal.

Soil Pipe and Fittings.

Discount, 50 and 10 per cent. on medium and extra heavy, and 50 per cent. on light.

Solder.

	Per lb.	Per lb.
Bar half-and-half	0 21	0 22
Refined	0 20½	0 21½
Wiping	0 20	0 20½

NOTE.—Prices of this graded according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 11 0 11½

White Lead.

	Per cwt.
Pure, Assoc. guarantee, ground in oil, 25 lb. irons	6 50
No. 1 do	6 12½
No. 2 do	5 75
No. 3 do	5 37½
No. 4 do	5 00
Robertson's Chemically Pure	6 50
Munro's Select Flake White	6 75
Elephant and Decorators' Pure	6 50

Red Lead.

Genuine, 560 lb casks, per cwt.	$5 00
Genuine, 100 lb. kegs, per cwt.	5 25 5 50
No. 1, 560 lb. casks, per cwt.	4 75
No. 1, 100 lb. kegs, per cwt.	5 00

White Zinc Paint.

Elephant Snow White	0 08 0 09
Pure White Zinc	0 08 0 09
No. 1	0 06 0 07½
No. 2	0 05 0 06½

Dry White Lead.

Pure, casks	0 05⅛
Pure, kegs	0 05⅜
No. 1, casks	0 04⅞
No. 1, kegs	0 05⅛

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)

Pure, per gallon	1 00 1 10
Second qualities, per gallon	0 90 0 95
Barn (in bbls.)	0 70 0 90
The Sherwin-Williams Paints	1 30
Canada Paint Co's Pure	1 10 1 20
Robertson's Pure	1 00 1 10
Sanderson Pearcy's Pure	1 00 1 10
Toronto Paint and Color Co.'s Pure	1 10 1 20

Colors in Oil.

(25 lb. tins, Standard Quality.)

Venetian Red, per lb	0 05
Chrome Yellow	0 11
Golden Ochre	0 06
French "	0 05
Marine Black	0 09
" Green	0 09
Chrome "	0 08
French Imperial Green	0 19

Colors, Dry.

Yellow Ochre (J.C.) bbls	1 35 1 40
Yellow Ochre (J.F.L.S.), bbls	2 75
Yellow Ochre (Royal)	1 10 1 15
Brussels Ochre	2 00
Venetian Red (best), per cwt.	1 80 1 90
English Oxides, per cwt.	3 00 3 25
American Oxides, per cwt	1 75 2 00
Canadian Oxides, per cwt.	1 75 2 00
Super Magnetic Oxides, 93 p c.	2 00 2 25
Burnt Sienna, pure, per lb.	0 10
" Umber, " "	0 10
do Raw	0 09
Drop Black, pure	0 09
Chrome Yellows, pure	0 18
Chrome Greens, pure, per lb.	0 12
Golden Ochre	0 03¾
Ultramarine Blue in 28-lb boxes, per lb.	0 08 0 24
Fire Proof Mineral, per 100 lb.	1 00
Genuine Eng. Litharge, per lb	0 07
Mortar Color, per 100 lb.	1 25
James' Gen. Red Lead, 100 lb	0 05
Pure Indian Red, No. 45, lb.	0 08
Whiting, per 100 lb.	0 55

Sulphate of Copper.

Casks, for spraying, per lb.	0 07
100-lb. lots, do. per lb.	0 08

Putty.

Bladders in bbls.	1 80
Bladders in 100 or 200 lb. kegs or bxs	1 95
Bulk in bbls., per 100	1 65
Bulk in less quantities	1 80
25-lb. tins, 4 in case	2 05
12½-lb. tins, 8 in case	2 30

Quotations f.o.b. Toronto, Ottawa, Montreal, Hamilton, London, Guelph. For quantities less than 100-lbs., 2½c. per lb.

Varnishes.

(In 5-gal. lots.)	Per gal
Carriage, No. 1	1 30 1 40
Extra do.	1 50 1 60
Body Varnish	3 40 3 50
Furniture Varnish	0 60 0 75
Extra do.	1 10 1 20
Demar Varnish	1 60
Hard Oil Finish	1 30 1 45
Orange Shellac Varnish	2 00 2 10
White Shellac	2 20 2 25
Rubbing Varnish	2 00
Brown Japan	85 1 00
Elastic Oak	1 40

Linseed Oil.

Raw.	Boiled.
1 to 4 bbls. $0 60	delivered $0 63
5 to 9 bbls. 59	" 62
10 to 15 bbls. 57	f.o.b. point ship'nt 60
16 to 30 bbls. 56	" " 59

On 1 to 4, 5 to 9 bbls. and car lots, freight allowed. Prices on 10 to 15 and 16 to 30-bbls. are f.o.b. shipping point.

Turpentine.

Single barrels	0 77
2 to 4 barrels	0 76

Freight allowed.

Castor Oil.

In cases, per lb	0 09
Small lots	0 10

Cod Oil, Etc.

Cod Oil, per gal.	0 50 0 55
Pure Olive	1 20
" Neatsfoot	90

Glue.

(In bbls.)

Common	0 08½ 0 09
French Medal	0 12 0 1[illegible]
Cabinet, sheet	0 11 0 1[illegible]
White, extra	0 16 0 18
Gelatine	0 22 0 30
Strip	0 16 0 18
Coopers	0 19 0 20
Al clear	0 09

HARDWARE.

Ammunition.

Cartridges.

B. B. Caps. Dom., 50 and 5 per cent.
Rim Fire Pistol, dis. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18 p.c. Amr



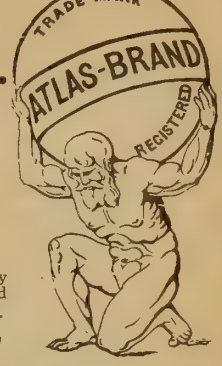
EMERY

Cloth and Paper.
Glass and Flint Paper.
"Atlas" Brand

"FLORA" Knife Polish, in 3d., 6d. and 1/ tins

Ground, Washed and Flour.

WHEELS of highest quality for general and special purposes.



Write for Latest Catalogues and Samples to

EMERY GRINDING MACHINERY

THE LONDON EMERY WORKS CO., 10-12 Vine Street Clerkenwell, LONDON, E.C.

Agent in Canada—MR. T. L. PATON, 30 St. Francois Xavier Street, Montreal, P. O. Box 903.

Central Fire Cartridges, pistol sizes, Dom 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.
Brass shot Shells, 55 and 10 per cent.
Primers, Dom., 80 per cent.

Wads.

	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 100 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Per lb	0 10	0 12½
Anvil and Vice combined	....	4 50
Wilkinson & Co.'s Anvils lb.	0 09	0 09½
Wilkinson & Co.'s Vices..lb.	0 09¾	0 10

Augers.

Gilmour's, discount 50 and 10 p.c. off list.

Hollow, Stearns, per dozen..	13 00	20 00
Adjustable, Stearns, each..	4 50	6 50
Post-hole, Vaughans, each..	60	90

Axes.

Chopping Axes—		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00
Bench Axes, 40 and 15 p.c.		
Broad Axes, 33⅓ per cent.		
Hunters' Axes	5 50	6 00
Boy's Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Bath Tubs.

Zinc	3 90	4 00

Copper, discount 40 and 10 p.c. off revised list
Steel clad, discount 20 per cent. Boxing extra.

Anti-Friction Metal.

Tandem "A"	per lb.	0 23
" B	"	0 19
" C	"	0 11½

Magnolia Anti-Friction Metal, per lb. 0 25
F.O.B. New York or Chicago.

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent.

Door.

Gongs, Sargant's 5 50 8 00
" Peterboro', discount 50 per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Farm.

American, each 1 25 3 00

House.

American, per lb 0 35 0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00

Blacksmiths', discount 60 per cent.

Belting.

Extra, 50 per cent.
Standard, 50 and 10 to 50, 10 and 5 per cent.
Agricultural, 60 and 10 p.c.

Bits.

Auger.

Gilmour's, discount 50 and 10 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent.

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Norway Bolts, full square	65
Common Carriage Bolts, all sizes	50
" " full square	65
Machine Bolts, all sizes	52½
Coach Screws	65
Sleigh shoe Bolts	70
Blank Bolts	52½
Bolt Ends	62½
Nuts, square	3½c off
Nuts, hexagon	4c. off
Tapping Nuts	60
Tire Bolts	60 and 10
Stove Bolts	60 and 10
Stove rods, per lb	5½ to 6c.
Plough Bolts	50

Boot Calks.

Small and medium, per M	4 50	
Small heel, per M	4 25	

Bright Wire Goods.

Discount 55 per cent.

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis 37½ per cent.

Henis, No. 8, "		6 00
Henis, No. 9, "		7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Plain building, per roll	0 28	
Tarred lining, per roll	0 35	
Tarred roofing, per 100 lb	1 40	
Coal Tar, per barrel	3 75	
Pitch, per 100-lb	0 60	
Carpet felt, per 100 lb	2 50	

Bull Rings.

Copper, $2.50 for 2½ in. and $2 for 2 in.

Butts.

Brass.

Wrought Brass, net revised list.

Cast Iron.

Loose Pin, dis., 6 per cent.

Wrought Steel.

Fast Joint, dis. 60 and 10 per cent.
Loose Pin, dis 60 and 10 per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Cards.

Horse, per doz	0 60	1 00

Carpet Sweepers.

Bissell, per doz		22 50
World, "		21 75
Daisy, "		24 00
Star, "		18 00
Crown Jewel, per doz		29 00
Grand Rapids, "	24 00	33 00

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	50	9 50

Cement.

Canadian Portland	2 65	2 90
English "		3 00
Belgian "		2 70
Canadian hydraulic	1 00	1 10

Figures are for barrel lots.

Chalk.

Carpenters, Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket Framing and Firmer.

Broad's, dis. 60 and 5 per cent.
Warnock's, dis. 60 per cent.

Churns.

Revolving Churns, metal frames—No. 0, $3—No. 1, $3.25—No. 2, $3.40—No. 3, $3.75—No. 4, $4.50—No. 5, $5.90 each. Ditto, wood frames—15c. each less than above.
Terms 4 months or 3 p.c. off 30 days, f.o.b.

Cinder Sifters.

Per doz 1 25

Clips.

Axle dis. 65 per cent.

Closets.

Plain Ontario Syphon Jet	$8 00
Emb. Ontario Syphon Jet	8 50
Fitting	1 00
Plain Teutonic Syphon Washout	4 75
Emb. Teutonic Syphon Washout	5 25
Fittings	1 00
Plain Richelieu	4 75
Emb. Richelieu	5 00
Fittings	1 25
Closet connection	1 25
Basins, round 14 in.	0 65
" oval, 17 x 14 in.	1 55
" " 19 x 15 in.	2 30

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 20 per cent. from factory.

Dies.

Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. per cent.

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Broad's, dis 60 to 60 and 7½ per cent.
Warnock's, dis. 60 to 60 and 7½ per cent.

Drills.

Hand and Breast.

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.

Stovepipe.

Per doz	0 85	1 70

ESCUTCHEONS.

Discount, 27½ per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 45 per cent.

FILES.

Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Jowitt's, English list, 25 to 27½ per cent
Mechanics' Star & File Mfg. Co. Discount 60 and 10 to 70 per cent.

FORKS.

Hay, manure, etc., dis., 50 and 10 per cent. revised list.

FRUIT PRESSES.

Henis', per doz	3 25	3 50

Shepard's Queen City, dis. 15 per cent.

GAUGES.

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft
Under 26	2 10	4 00	3 50	6 00
26 to 40	2 30	4 35	3 75	6 65
41 to 50	...	4 75	....	7 25
51 to 60	....	5 00	....	8 50
61 to 70	....	5 35	....	9 25
71 to 80	....	5 75	....	10 50
81 to 85	....	6 50	....	11 75
86 to 90	....	7 25	....	14 00
91 to 95	....	....	....	15 50
96 to 100	....	....	....	18 00
101 to 105	....	....	....	21 00
106 to 110	....	....	....	24 00
111 to 115	...	....	....	28 00

16 x 16 10 per cent off.

HALTERS.

Rope, ¾ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾ "	...	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis 5 to 10 per cent. Can. dis. 25 to 27½ per cent.

Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz., net	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pair	0 40	2 50

Fork

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. list.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾	0 20

HANGERS. doz. pairs

Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50
Lane's covered—		
No 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot	...	4½

HARVEST TOOLS.

Discount, 50 and 10 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent.

HINGES.

Blind, Parker's, dis. 60 and 10 to 65 per cent
" Shepard's Noiseless, dis. 60 per cent.
" " Buffalo, dis. 60 to 70 p. c.

Heavy T and strap, 4-in., per lb		0 06
" " 5-in., "		0 05¾
" " 6-in., "		0 05½
" " 8-in., "		0 05¼
" " 10-in., "		0 05

Light T and strap, dis. 60 and 10 per cent.

Screw hook and ring —

6 to 12 in., per 100 lbs	....	4 50
14 in. up, per 100 lbs	...	3 50
	Per gro. pair	
Spring	....	8 50

HOES.

Garden, Mortar, etc., dis 60, 10 and 5 p.c.		
Planter, per doz	4 00	4 50

HOLLOW WARE
Discount,..... 45 and 5 per cent.

HOOKS.
Cast Iron.

Bird Cage, per doz.....	0 50	1 10
Clothes Line, per doz.....	0 27	0 63
Harness, per doz.....	0 72	0 88
Hat and Coat, per gross.....	1 00	3 00
Chandelier, per doz.....	0 50	1 00

Wrought Iron.
Wrought Hooks and Staples, Can., dis. 47½ per cent.
Wire.
Hat and Coat, discount 60 per cent.
Belt, per 1,000..... 0 60 0 70
Screw, bright, dis. 55 per cent.

HORSE NAILS.
"C" brand 50 p.c. dis.
"M" brand 50 p.c. } Oval head.
Acadian, 50 and 20 p.c., countersunk head.

HORSESHOES.

Iron Shoes.	F.O.B. Toronto. No. 2 and larger.	No. 1. and smaller.
Light, medium, and heavy...	3 80	4 05
Snow shoes.....	4 05	4 30
Steel Shoes.		
Light.....	4 10	4 35
Featherweight (all sizes).....	5 35	5 35

JAPANNED WARE.
Discount, 50 per cent. off list, June, 1899.

ICE PICKS.

Star, per doz.....	3 00	3 25

KETTLES.
Brass spun, 7½ p.c. dis. off new list.

Copper, per lb.....	0 30	0 50

American, 60 and 10 to 65 and 5 p.c.

KEYS.
Lock, Can., dis., 50 p.c.
Cabinet, trunk, and padlock, Am. per gross..... 60

KNOBS.

Door, japanned and N.P., per doz	1 50	2 50
Bronze, Berlin, per doz.....	2 75	3 25
Bronze Genuine, per doz....	6 00	9 00
Shutter, porcelain, F. & L. screw, per gross.....	1 30	4 00

HAY KNIVES.
Discount, 50 and 10 per cent.

LANTERNS.

Cold Blast, per doz.....	7 50
No. 3 "Wright's".....	8 50
Ordinary with O burner	4 25
Dashboard, cold blast	9 50
No. 0.....	6 00

Japanning, 50c. per doz. extra.

LEMON SQUEEZERS.

	per doz.	
Porcelain lined,.....	2 20	5 60
Galvanized	1 87	3 85
King, wood.....	2 75	2 90
King, glass.....	4 00	4 50
All glass.....	1 20	1 30

LINES.

Fish, per gross.....	1 05	2 50
Chalk "	1 90	7 40

LOCKS
Canadian, dis. 27½ p.c.

Russell & Erwin, per doz....	3 05	3 25

Cabinet.
Eagle, dis. 30 p.c.
Padlock.

English and Am., per doz....	50	6 00
Scandinavian, "	1 00	2 40

Eagle, dis. 15 to 17½ p.c.

MACHINE SCREWS.
Iron and Brass.
Flat head, discount 25 p.c.
Round Head, discount 20 p.c.

MALLETS.

Tinsmiths', per doz.....	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz..	3 85	5 00
Caulking, each.....	60	2 00

MATTOCKS

Canadian, per doz.....	8 50	10 00

American, 60 and 10 p.c. off list.

MEAT CUTTERS.
American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.
Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2d. and 3d	$3 60	$4 30
3d.....	3 25	3 95
4 and 5d.....	3 00	3 80
6 and 7d.....	2 90	3 65
8 and 9d.....	2 75	3 45
10 and 12d.....	2 70	3 40
16 and 20d.....	2 65	3 35
30, 40, 50 and 60d. (base).....	2 60	3 30

Steel Cut Nails 10c. extra.

NAIL PULLERS.

German and American.....	1 85	3 50

NAIL SETS.

Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.
Poultry, 40 per cent. for McMullen's.

OIL.

Canada refined (Toronto)....	0 13½
Sarnia Water White.....	0 15
Pratt's Astral.....	0 18
Sarnia, Prime White.....	0 14
American w. w.	0 16½

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz.....	0 00	11 00
Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz.....	1 25	3 50
Brass, "	1 50	3 50

Malleable, dis. 25 per cent.

PAILS.
Galvanized pails, discount 45 per cent.
Galvanized flaring pails, discount 45 per cent
Galvanized washtubs, discount 45 per cent.

PIECED WARE.
Discount, 45 per cent. off list, June, 1899.

PICKS.

Per doz	6 00	9 00

PICTURE NAILS.

Porcelain head, per gross....	1 40	3 00
Brass head, "	0 40	1 00

PLANES.
Wood, bench, Canadian dis. 55 per cent. American dis. 55.
Wood, fancy Canadian or American, 37½ to 40 per cent.
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.
Miscellaneous, dis. 25 to 27½ per cent.
Bailey's Victor, 25 per cent.

PLANE IRONS.

English, per doz.....	2 00	5 00

PLIERS AND NIPPERS.

Button's Genuine, per doz pairs, dis. 37½ 40 p.c.		
Button's Imitation, per doz..	5 00	9 00
German, per doz.....	0 60	2 60

PRESSED SPIKES.
Discount, 20 per cent.

PULLEYS.

Hothouse, per doz.....	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning.....	0 35	2 50

PUMPS

Canadian cistern.....	1 40	2 25
Canadian pitcher spout.....	1 15	2 00

PUNCHES.

Saddlers', per doz.....	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set.....	0 00	0 72
" hollow, per inch....	0 00	1 00

RANGE BOILERS

Galvanized, 30 gallons			8 50
"	35	"	10 00
"	40	"	11 00
Copper,	30	"	22 00
"	35	"	26 00
"	40	"	30 00

Discount off Copper Boilers 10 per cent.

RAKES.
Cast steel and malleable Canadian, list dis. 50 and 10 p.c revised list.
Wood, 25 per cent.

RASPS AND HORSE RASPS.
New Nicholson horse rasp, discount 60 p.c.
Globe File Co.'s rasps, 60 and 10 to 70 p.c.
Heller's Horse rasps, 50 to 50 and 5 p.c.

RAZORS.

	per doz.	
Geo. Butler & Co.'s,.....	8 00	18 00
Boker's	7 50	11 00
Wade & Butcher's...	3 60	10 00
Theile & Quack's.....	7 00	12 00

REAPING HOOKS.
Discount, 50 and 10 per cent.

REGISTERS.
Discount,..... ..... 60 per cent.

RIVETS AND BURRS.
Carriage, Section, Wagon Box Rivets, etc. (Steel), 45 p c.
Black M. Rivets (Steel), 45 p.c.
Black and Tinned Rivets, 45 p.c.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets & Burrs, 35 p.c. dis., and cartons, 1c. per lb. extra, net.
Extras on Tinned or Coppered Rivets in ½-lb. cartons, 1c. per lb.
Burrs, iron or steel, 40 per cent.
Terms, 4 mos. or 3 per cent. cash 30 days.

RIVET SETS.
Canadian, dis. 35 37½ per cent.

ROPE, ETC.

	Sisal.	Manila.
7-16 in. and larger, per lb.	12½	15
⅜ in.....	13	15½
¼ and 5-16 in.	13½	16
Cotton		14
Russia Deep Sea		15½
Jute		8
Lath Yarn		9¾
New Zealand Rope.....		10½

RULES.
Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

	per set.
Mrs. Potts, plain, polished	0 90
" " " 12 case lots	0 85

10c. advance for plated.

SAND AND EMERY PAPER.
Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 2½ per cent.
Emery, 40 per cent.

SAWS.
Hand, Disston's, dis. 12½ p.c.
S. & D., 40 per cent.

Crosscut, Disston's, per ft....	0 35	0 55

S. & D., dis. 35 p.c. on Nos. 2 and 3.

Hack, complete, each.....	0 75	2 75
" frame only.....	....	0 75

SASH WEIGHTS.

Sectional, per 100 lbs.....		3 25
Solid, "		1 50

SASH CORD.

Per lb.....	0 20	0 50

SAW SETS.

"Lincoln," per doz.....		6 50

SCALES
Gurney Scales, 45 p.c.
B. S. & M. Scales, 45 p.c.
Champion, 55 per cent.
Fairbanks Standard, 45 p.c.
" Dominion, 50 p.c.
" Richelieu, 60 p.c.
Chatillon Spring Balances, 25 p.c.

SCREW DRIVERS.

Sargent's, per doz.....	0 65	1 00

SCREWS
Wood, F. H., iron, and steel, 80 p.c.
Wood R. H., " dis. 75 p.c.
" F. H., brass, dis. 75 p.c.
Wood, R. H., " dis. 67½ p.c.
" F.H, bronze, dis. 67½ p.c.
" R.H. " 62½ p.c.
Drive Screws, 80 per cent.

Bench, wood, per doz.....	3 25	4 00
" iron, "	4 25	5 75

SCYTHES.

Discount, per doz. net.....	9 00	15 00

SCYTHE SNATHS.
Canadian, dis. 45 p.c.

SHEARS
Seymour's, dis. 50 and 10 p.c.
Heinisch, dis. 50 and 10 p.c.
Seymour or Heinisch tailor shears. 15 p.c.

SHOVELS AND SPADES.
Canadian, dis. 40 and 5 per cent.

SNAPS.
Harness, German, dis. 25 p.c.

Lock, Andrews'.....	4 50	11 50

SOLDERING IRONS.

1, 1½ lb., per lb.....	0 37
2 lb. or over, per lb.	0 34

SQUARES.

Iron, per doz.....	1 65	2 90

Steel, dis. 50 and 10 per cent., revised list.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.
Plain, dis., 75 and 12½ p c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized		3 80
Bright		3 55

STOCKS AND DIES.
American dis. 25 p.c.

STONE.	Per lb,	
Washita.....	0 28	0 60
Hindostan.....	0 06	0 07
" slip, ...	0 09	0 09
Labrador.....	....	0 13
" Axe.....	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, per ton	15 00	18 00

STOVE PIPES.

5 to 6 inch, per 100 lengths....		6 75
7 inch, per 100 lengths.....		7 25

Stove Polish.



No. 4—3 dozen in case, net cash		$4 50
No. 6—3 dozen in case, "		7 50

STEP LADDERS.
Best grade, from 3 to 10-ft. long, per foot, 16c.
2nd grade, 3 to 10-ft., per foot, 10c.

TACKS BRADS, ETC.

	Per cent.
Strawberry box tacks, bulk 75	
Cheese-box tacks, blued .....80 and 12½	
Trunk tacks, black and tinned....80 and 12½	
Carpet tacks, blued and tinned ..75 and 10	
" " (in kegs) 35	
Cut tacks, blued, in dozens only ..70 and 10	
" ¼ weights 55	
Swedes, cut tacks, blued and tinned—	
In bulk 80	
In dozens ... .70 and 10	
Swedes, upholsterers', bulk .....80 and 12½	
" brush, blued & tinned, bulk..45	
" gimp, blued tinned and japanned..... .....70 and 10	
Zinc tacks 30	
Leather carpet tacks 55	
Copper tacks 50	
Copper nails 52½	
Trunk nails, black 65	
Trunk nails, tinned .....65 and 5	
Clout nails, blued and tinned.....	65
Chair nails	35
Cigar box nails	35
Patent brads	40
Fine finishing	40
Picture frame points	10
Lining tacks, in papers	10
" " in bulk	15
" " solid heads, in bulk.....	75
Saddle nails in papers	10
" " in bulk	15
Tufting buttons, 22 line, in dozens only	60
Tin capped trunk nails.....	15
Zinc glazier's points.....	5
Double pointed tacks, dozens.....	85
" " " bulk.....	35

TAPE LINES.

English, ass skin, per doz....	2 75	5 00
English, Patent Leather....	5 50	9 75
Chesterman's each.....	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS
Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRANSOM LIFTERS.

Payson's per doz.....	2 60

TRAPS. (Steel.)
Game, Newhouse, dis. 40 p c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.
Disston's, discount 10 per cent.

German, per doz.....	4 75	6 00
Brade's "	5 00	10 50

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb.....	....	0 21
Wrapping, mottled, per pack.	0 50	0 60
Wrapping, cotton, per lb	0 17	0 18
Mattress, per lb.....	0 33	0 45
Staging, "	0 27	0 35
Broom, "	0 30	0 55

VISES.

Hand, per doz.....	4 00	6 00
Bench, parallel, each	2 00	4 50
Coach, each.....	6 00	7 00
Peter Wright's, per lb.....	0 12	0 13
Pipe, each.....	5 50	9 00
Saw, per doz	6 50	13 00

ENAMELLED WARE.
White, Princess, Turquoise, Blue and White discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.
Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Smooth Steel Wire, base, $3.35 f o.b. factory points. List of extras: Nos. 2 to 5, advance 7c. per 100 lb.—Nos. 6 to 9 base—No. 10, advance 7c.—No. 11, 14c.—No. 12, 20c.—No. 13, 35c.—No. 14 47c.—No. 15, 60c.—No. 16, 75c. Extras net per 100 lb.: Coppered wire, 60c.—tinned wire, $2—oiling, 10c.—special hay-baling wire, 30c.—spring wire, $1—best steel wire, 75c.—bright soft drawn, 15c.—in 50 and 100-lb. bundles net, 10c.—in 25-lb. bundles net, 15c.—packed in casks or cases, 15c.—bagging or papering, 10c.
Fine Steel Wire, dis. 12½ per cent. factory. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19. $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, $7.65—No. 24, $8—No. 25, $9—No. 26, $9.50—No. 27, $10—No. 28 $11—No 29, $12—No. 30, $13—No. 31, $14—No. 32, $15 No. 33, $16—No. 34. $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31, $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles. 25c.—in 1-lb. hanks, 50c.—in ¼-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.60—No. 9, $3.10—No. 10, $3.70—No. 11, $3.75—No. 12, $3 20—No. 13, $3.45—No. 14, $4 10—No. 15, $4.70—No. 16. $4.85.

Broom Wire, per lb.....	0 05	0 05½
Clothes Line Wire, 19 gauge, per 1,000 feet.....		3 30

WIRE FENCING.

	F.O.B. Toronto
Galvanized, 4 barb, 2¼ and 5 inches apart.....	3 50
Galvanized, 2 barb, 4 and 6 inches apart.....	3 50
Galvanized, plain twist.....	3 50

Terms, 2 per cent. in 10 days.

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net...	1 75

WRENCHES.
Acme, 35 to 37½ per cent.
Agricultural, 60 and 10 to 60, 10 and 10 p.c.
Coe's Genuine, dis. 20 to 25 p.c.
Diamond dis. 33⅓ to 35 per cent.

Towers' Engineer, each.....	2 00	00
" S., per doz	5 80	00
G. & K.'s Pipe, per doz.....		3 40
Burrell's Pipe, each..... ...		3 00
Pocket, per doz.....	0 25	2 90

WRINGERS.

Leader.....per doz.		$60 00
Royal Canadian	"	58 00
Royal American.....	"	48 00

Discount, 45 per cent.: terms 4 months, or 3 p.c. 30 days. Prices are f.o.b. London, Hamilton Toronto, Brockville or Montreal.



RIDEAU CANAL.

NOTICE TO SHIPBUILDERS.

SEALED TENDERS, addressed to the undersigned, and endorsed "Tender for rebuilding Dredge Rideau," will be received at this Office until 16 o'clock on Wednesday, the 1st day of November, 1899, for the above mentioned work.

Plans and specifications can be seen at the office of the Superintending Engineer of the Rideau Canal, Department of Railways and Canals, on and after Monday, October 16th, 1899.

Each tender must be accompanied by an accepted bank cheque, made payable to the order of the Hon. Minister of Railways and Canals, for a sum equal to ten per cent. of the bulk sum tendered; which cheque will be forfeited if the person tendering declines to enter into contract for the work at the rates and on the terms stated in the offer submitted.

The accepted bank cheque thus sent in will be returned to the respective persons whose tenders are not accepted.

The Department does not bind itself to accept the lowest or any tender.

Contractors are specially notified that the condition requiring the work to be wholly completed by the 1st day of May, 1900, will be rigidly enforced, and all penalties for delay exacted.

By order,

L. K. JONES,
Secretary.

Department of Railways and Canals,
Ottawa, October 2nd, 1899.

Newspapers inserting this advertisement without authority from the Department, will not be paid for it.

McCaskill, Dougall & Co
Fine Varnish & Japan
Manufacturers.
Montreal
Price Lists on application

D. F. Jones Manufacturing Co. Limited, of Gananoque, Ont.

Established 1852.

Shovels
Spades
Draining Tools

TRADE MARK. J D.F.J.MF'G.CO.

Grain and Coal Scoops and Miners' Shovels

The only Canadian manufacturers of Plain Back Shovels and Spades **THAT ARE SOLID**, without weld, and graduated from socket to point, and from centre to sides, of blades.

All our goods have trade mark on the handle.



IRON AND BRASS

Pumps

Force, Lift and Cistern Hand and Power.

For all duties. We can supply your wants with—quality the best and prices right. Catalogues and full information for a request.

THE R. McDOUGALL CO., Limited

Manufacturers, Galt, Canada.

STAR HACK SAWS
BUTCHER SAWS
BRACKET SAWS

THE STAR HACK SAW

Has a file temper, and one 5-cent blade will do more work than $1 worth of files. It will cut off an inch square bar of steel 100 times without filing.

THE STAR BUTCHER SAW

Will cut four times as long without filing as any other kind in use. It will cut off a half-inch rod of iron 30 times.

THE STAR BRACKET SAW

Is taking the place of all other kinds.

None of these Star Saws are to be filed, as the price is less than the cost of filing. They are taking the place of all other saws as fast as they become known.

For Sale by Most Hardware Dealers

We also make a Power Hack Saw which may be found in most machine shops and iron working establishments, and should be found in all.

MILLERS FALLS CO. 28 Warren Street NEW YORK

CHAS. F. CLARK, President. JARED CHITTENDEN, Treasurer.

ESTABLISHED 1849.

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THE BRADSTREET COMPANY

TORONTO OFFICE: Cor. Jordan and Melinda Sts

THOS. C. IRVING, Superintendent.

PERFECTION AUTOMATIC REVOLVER



NEW Automatic shell extracting, double action, small frame. Weighs 12 oz. Rebounding lock. 32 caliber. 5 shot.

Made with shorter barrel for bicycle use.

The most perfect small pistol made.

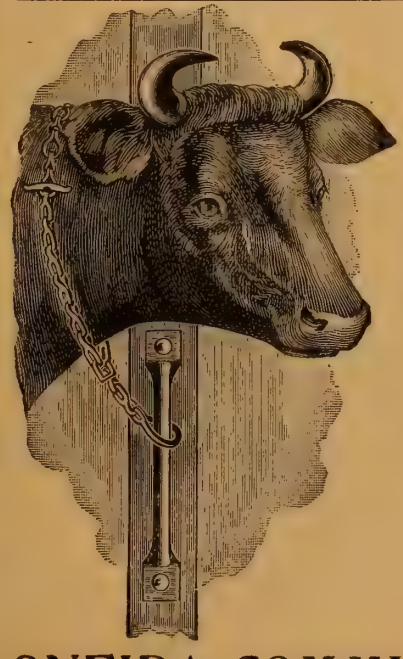
SEND FOR CATALOGUE.

Forehand Arms Co.

Manufacturers of the

Forehand Guns

Worcester, Mass.



Dominion Pattern

Cow Tie AND Stall Fixture

The special features of the tie and stall fixture are well shown in the illustration. As will be noticed the chain is very short which prevents all danger of entanglement with the animal's foot. At the same time the form of the fixture is such that great freedom is allowed to the head. Because of the short chain this tie is much cheaper than the ordinary patterns.

The stall fixture is made from a tough quality of steel and is very strong. Also, owing to its circular cross-section, it is exceedingly rigid. Its simplicity, convenience, cheapness, and ease of attaching make it very popular with cow tie users.

This form of tie and stall fixture are sometimes called Niagara pattern.

American or Flat Link Chain,

for years the standard cow tie chain in "the States," is now rapidly coming in favor in Canada. Its short link, handsome appearance and smooth surface—which cannot injure the animal's neck—make it superior to all other styles of chain for cow ties.

For sale by all Jobbers; manufactured by

ONEIDA COMMUNITY, Limited, NIAGARA FALLS, ONT.

Est. 1863 Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve Medals

Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895

TO INSURE COMFORT AND SAFETY

...USE...

"Maltese Cross" Inner Tubes

AND

RIDE

HARTFORD TIRES

The Toronto Rubber Co.

Limited

185 Yonge Street - TORONTO, CANADA

CORDAGE . .

ALL KINDS AND FOR ALL PURPOSES.

Manila Rope	Tarred Hemp Rope	Lathyarn	Spunyarn
Sisal Rope	White Hemp Rope	Shingleyarn	Pulp Cord
Jute Rope	Bolt Rope	Bale Rope	Lobster Marlin
Russian Rope	Hide Rope	Lariat Rope	Paper Cord
Marline	Halyards	Hemp Packing	Cheese Cord
Houseline	Deep Sealine	Italian Packing	Hay Rope
Hambroline	Ratline	Jute Packing	Fish Cord
Clotheslines	Plow Lines	Drilling Cables and	Sand Lines

"FIRMUS" Transmission Rope from the finest quality Manila hemp obtainable.
Orders will not be accepted for second quality or "mixed" goods.

CONSUMERS CORDAGE COMPANY, Limited

Toronto Branch: 27 FRONT ST. WEST.
TEL. 94. Wm. B. Stewart, Agent.

Montreal, Que.

Refined, Reliable and Worth.
Langwell's Metal Alloys.
Montreal.

CANADIAN
HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XI. MONTREAL AND TORONTO, NOVEMBER 11, 1899. NO. 45



Magnolia Metal

Best Anti-Friction Metal for all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up in bars, of which this is a

FAC-SIMILE.



The name and trade mark appear on each box and bar, and besides this, the words "Manufactured in United States" and "Patented June 3, 1890" are stamped on the under side of each bar.

Magnolia Metal is still selling at the same price it has always sold at—no advance.

MAGNOLIA METAL COMPANY

LONDON OFFICE—49 Queen Victoria St.
CHICAGO OFFICE—Fisher Building, 281 Dearborn Street.
CANADIAN OFFICE—524 Board of Trade Building, Montreal.

Owners and Sole Manufacturers,
266 and 267 West St., New York

WHEN YOU KNOW A GOOD THING

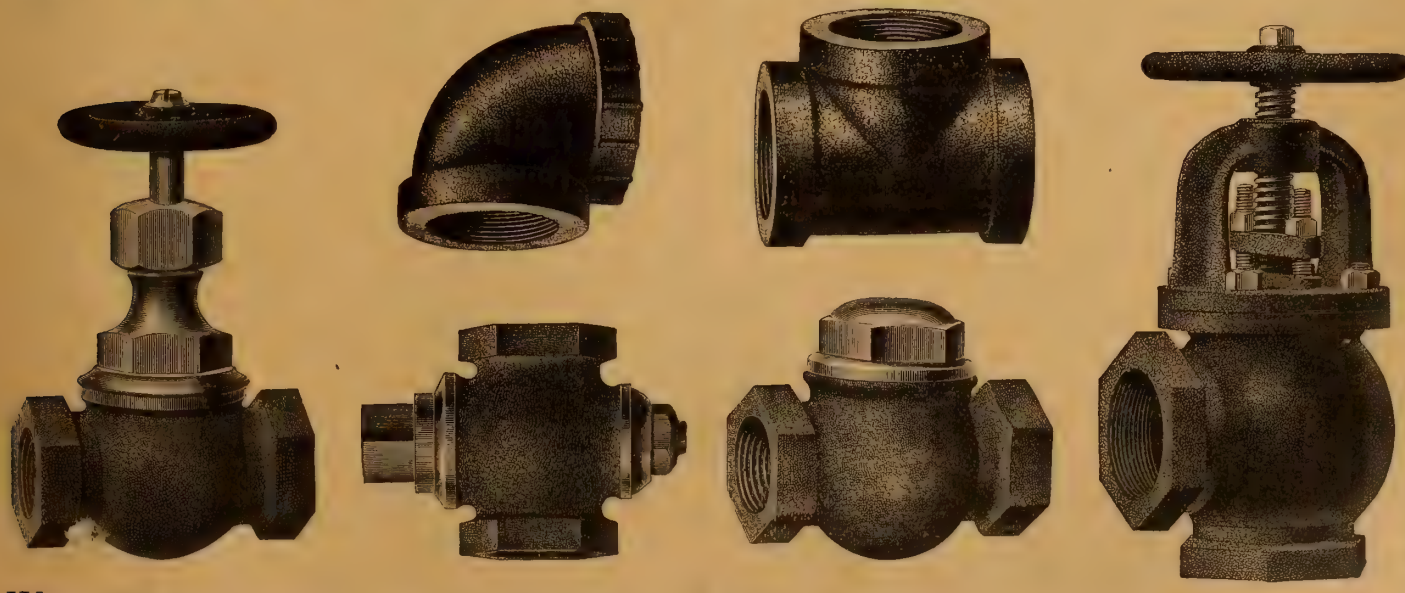


CANADA

stick to it. "Queen's Head" is the best thing made in the way of Galvanized Iron.

JOHN LYSAGHT, LIMITED
BRISTOL, ENG. MONTREAL.

STEAM AND WATER FITTINGS



We carry a complete line of Engineers' Supplies of every description, and can ship goods same day as we receive order. Write for new price list and discounts.

THE DOMINION RADIATOR COMPANY,
TORONTO, ONT. ...Limited.

RICE LEWIS & SON

(LIMITED)

ARTHUR B. LEE, President. *A. BURDETT LEE, V. P. and Treas.*

FELT WEATHER STRIP

HARDWARE AND METAL

Cor. King and Victoria Streets ...TORONTO

SAVAGE REPEATING RIFLE

.303 CAL.



Hammerless
Smokeless
Six-Shooter

New 1899 Model

AGENTS:
Winnipeg, J. H. ASHDOWN
Toronto, RICE LEWIS & SON
Quebec, CAVERHILL, LEARMONT & CO.

LATEST and FINEST Rifle manufactured.

Write for complete Catalogue W.

SAVAGE ARMS CO., Utica, N.Y., U.S.A.

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74 YEARS. *ESTABLISHED 1825.* *74 YEARS.*

CELEBRATED

HEINISCH SHEARS



ACKNOWLEDGED THE BEST.

Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.

R. HEINISCH'S SONS CO.

NEW YORK OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

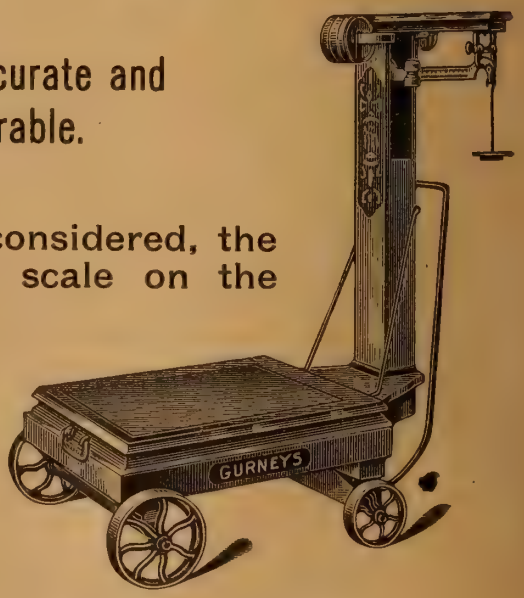
Not connected with any Shear Combination.

CANADA'S BEST SCALES

GURNEY

Accurate and Durable.

Quality considered, the cheapest scale on the market.



A complete stock of Scales carried in Montreal by our Agent, WALTER GROSE.

THE GURNEY SCALE CO.

Hamilton, Ontario, Canada.

The Round Reacting Washer.

A STRICTLY FIRST-CLASS MACHINE AT A REASONABLE PRICE.

Most Efficient

A Quick Seller



No other machine so easily operated.
Closed in—keeping suds hot and preventing escape of vapor into the room.
We commend these machines to the trade.

SEND FOR PRICES AND CIRCULARS.

The Dowswell Mfg. Co., Limited, Hamilton, Ont.

Thresher Belts

CANADIAN RUBBER CO. EXTRA BRAND MONTREAL & TORONTO

with these brands are a guarantee in themselves of excellence . . .

Manufactured by

The Canadian Rubber Co.

Of Montreal

Factories and Head Office,

Capital, $1,500,000.00 MONTREAL

CANADIAN RUBBER CO. EXTRA HEAVY BRAND MONTREAL & TORONTO

Ontario Branch, Toronto
Western Branch, Winnipeg

Write for . . .

Samples, Lists, and Discounts.

"YANKEE" TOOLS

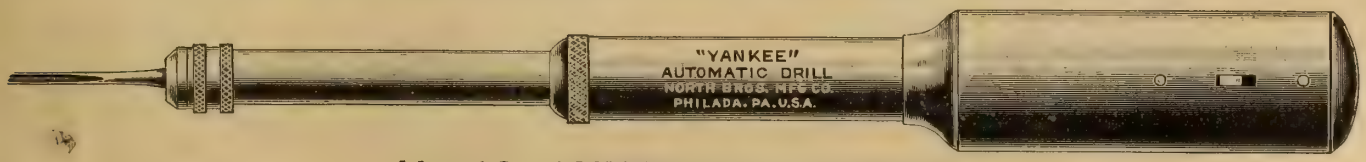
are sold by Leading Jobbers throughout the Dominion.



No. 10 RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.



No. 30 SPIRAL-RATCHET SCREW DRIVER.



No 40 AUTOMATIC DRILL.

FREE A handsome lithographed and embossed Sign in colors, on tin, to dealers handling these tools. Separate sign for each tool. Write at once which sign is wanted and it will be mailed post paid.

SEND FOR "YANKEE" TOOL BOOK.

North Bros. Mfg. Co.

Philadelphia, Pa., U.S.A.

The Popularity of Our New

IMPERIAL OXFORD

Insures Speedy Sales

Its splendid new features and patented improvements give it a superiority quickly appreciated—its practical ease of regulation and economy with fuel commend it to everyone.

ITS DIFFUSIVE FLUE CONSTRUCTION
FRONT DRAW-OUT GRATE
OVEN THERMOMETER
DRAW-OUT OVEN RACK

and other details of construction appeal irresistibly to the buyer.

Write us for full information, if you aren't handling them.



The Gurney Foundry Co., Limited, Toronto

THE GURNEY-MASSEY CO., LIMITED, MONTREAL.

WINNIPEG AGENTS: 155 and 157 Lombard St. **VANCOUVER AGENT: C. A. GODSON, 151 Hastings St.**

CORDAGE . .

ALL KINDS AND FOR ALL PURPOSES.

Manila Rope	Tarred Hemp Rope	Lathyarn	Spunyarn
Sisal Rope	White Hemp Rope	Shingleyarn	Pulp Cord
Jute Rope	Bolt Rope	Bale Rope	Lobster Marlin
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Marline	Halyards	Hemp Packing	Cheese Cord
Houseline	Deep Sealine	Italian Packing	Hay Rope
Hambroline	Ratline	Jute Packing	Fish Cord
Clotheslines	Plow Lines	Drilling Cables and	Sand Lines

"FIRMUS" Transmission Rope from the finest quality Manila hemp obtainable. Orders will not be accepted for second quality or "mixed" goods.

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Montreal, Que.

Deseronto Iron Co.

LIMITED

DESERONTO, ONT.

Manufacturers of

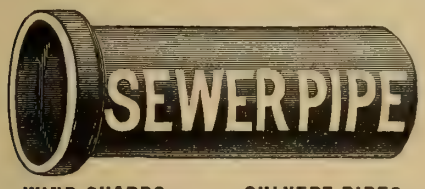
Charcoal Pig Iron

BRAND "DESERONTO."

Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

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WIND GUARDS, CHIMNEY TOPS, FLUE LININGS,

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Manufactured by the

HAMILTON AND TORONTO SEWER PIPE CO.

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The Best is None too Good.

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The largest machinery builders in Canada and United States use our Babbitt Metal.

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We can furnish you with numbers of testimonials.

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BABBITT METALS
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and ALL WHITE METALS.

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Hardwood CHARCOAL

in Bulk or Sacks.

WOOD ALCOHOL

equalling Methylated Spirits as a solvent.

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From Stock or for Importation.

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Dec. 30/94

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THE FAVORITE RINK SKATE.

Highest Quality Only.

The Starr Manufacturing Co., Limited,

MAKERS, HALIFAX, N. S., CANADA.

DAVID MAXWELL & SONS

ST. MARYS, ONT., CANADA



Steel Frame.

"MAXWELL FAVORITE CHURN"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive.

LAWN MOWERS. High and Low Wheels, from 12-in. to 20-in. widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate.

WHEELBARROWS. In Four different sizes.

If your Wholesale House does not offer you these articles

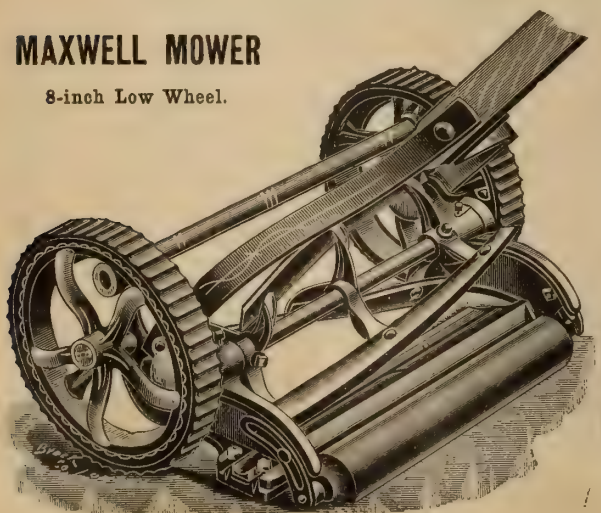
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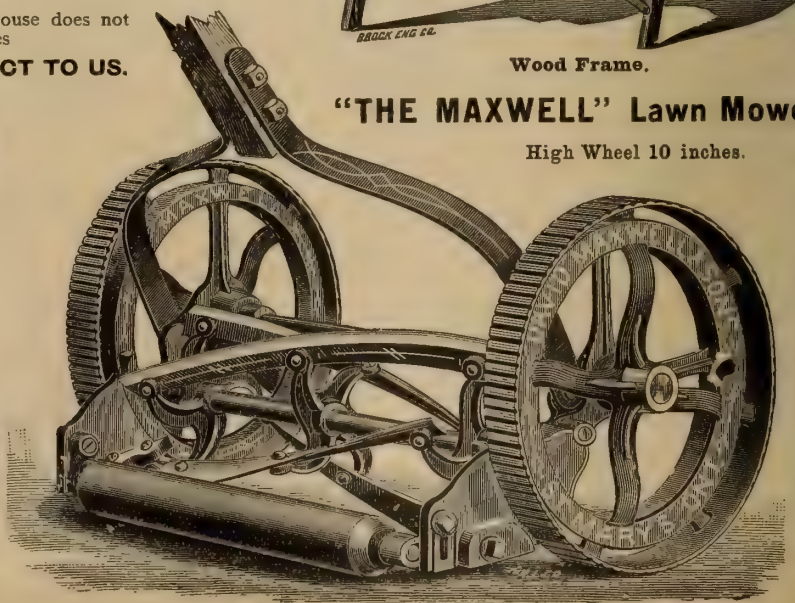
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8-inch Low Wheel.



"THE MAXWELL" Lawn Mower

High Wheel 10 inches.



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..HARDWARE MERCHANTS..

ELEY'S LOADED SHELLS

In 10 and 12 Gauges, loaded with either Smokeless or Black Powder.

PRICES LOW. BEST VALUE ON THE MARKET.

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Branch House: George D. Wood & Co., Winnipeg, Man.



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Established 1860. Incorporated 1895.

Galvanized Kitchen Range Boilers

The "INVINCIBLE"

Tested to 150-lbs.

Made in the following sizes:

25, 30, 35, 40, 52 gal.

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The Thos. Davidson Mfg. Co., Limited

MONTREAL.

"NOT IN THE TRUST."

The Toronto Silver Plate Co., Limited

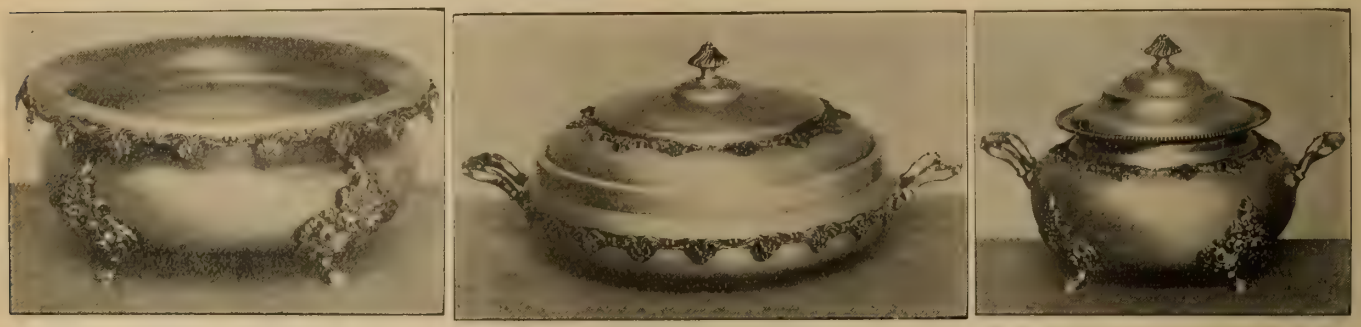
"THE GOODERHAM COMPANY"

Silversmiths and Manufacturers of Electro Silver Plate.

ELECTRO PLATE.



No. 0871, Bon Bon, $4.75 List. | No. 938, Salad Bowl, $7.00 List. | No. 984, Fruit Bowl, $9.00 List.



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No. 2196, Baking Dish, $7.50 List. 2 quart.

No. 2021, Tureen, $10.00 List

STERLING SILVER MOUNTED PUFF BOXES.



No. 421, $5.50 List. "Toronto." | No. 414, $5.20 List. "Fan." | No. 420, $5.50 List. "Manhattan." | No. 420, $5.50 List. "Ontario."

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Do not place your Christmas order for Sterling Silver or Electro Silver Plate until you see what we have to offer. . . . . .

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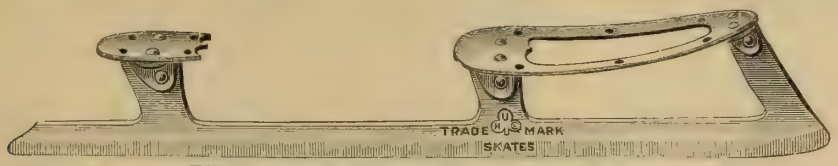
E. G. GOODERHAM, Managing-Director.

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These goods will be found to be beautiful in design, finish and workmanship. The points of excellence are: **STRENGTH,** which is guaranteed. **WEIGHT,** which is light. **PROPER LINES** to fit sole of boot. **CORRECT EDGE** of blade, which insures power and speed. **HEIGHT and HANG** for ease of stroke and cutting corners.



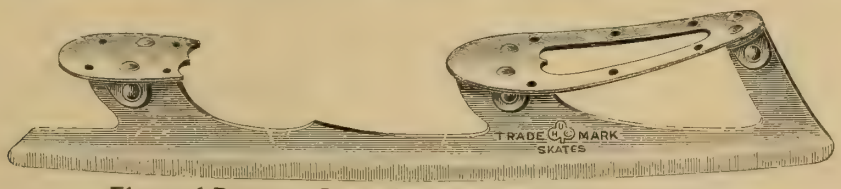
Plain Runner, Straight. Also Puck Stopper.



Flanged Runner. Also Puck Stopper.

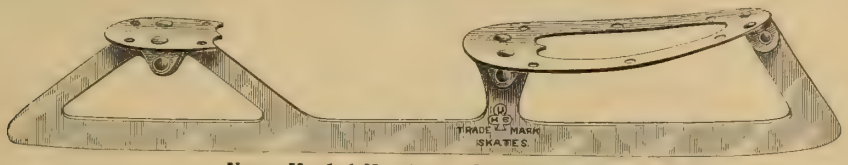
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MONTREAL
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Flanged Runner, Curved or Rocker Blade, for Ladies.

THESE PATTERNS MADE IN ALL VARIETIES OF FINISH AND QUALITY



New Model Hockey, Arched Heel.

THE LARGEST AND MOST COMPLETE LINE ON THE MARKET



New Model Waltzing, for Men and Women.

Made in Canada.

UNION HARDWARE CO.

New York Office:
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THE CENTRE OF ATTRACTION IN THE STOVE TRADE

Is the... Celebrated **"Grand Jewel"**

15,000

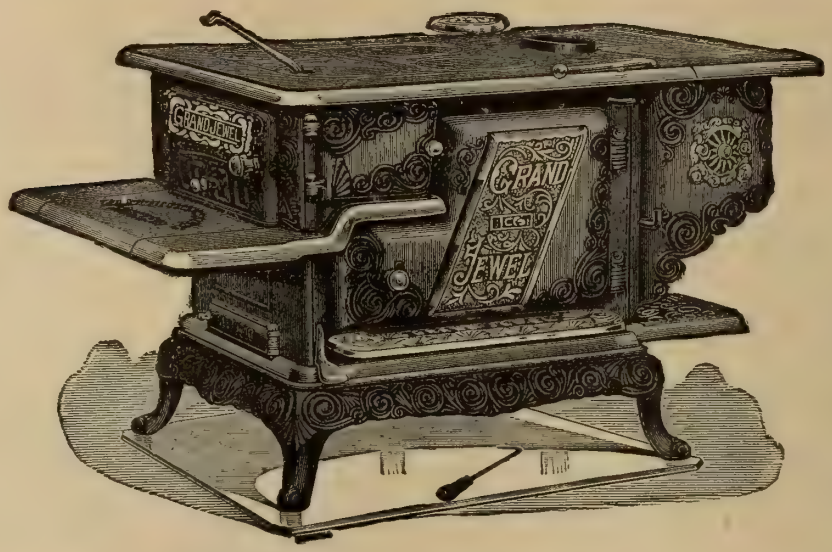
of these

GRAND JEWELS

have now been sold, and sales are . . .

Rapidly Increasing.

THIS LINE of stoves commands a liberal profit for all dealers.



This stove has more good selling points than any other stove on the market.

It is fitted with sheet steel oven, which is so braced that it is impossible for it to warp or crack.

ASK FOR DESCRIPTIVE CIRCULARS.

Sole Manufacturers,

THE BURROW, STEWART & MILNE COMPANY, Limited

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drop us a line, and we will quote you prices on same by return mail. . . . . .

We print anything and everything accurately, neatly and expeditiously. Large or small, all jobs receive our most careful attention. Fine work especially solicited.

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26 Front St., East.

IN GREAT DEMAND

KEMP'S STANDARD NESTABLE STOVE PIPE.

BECAUSE

It requires no Rivets or Tools to put it together.
The seam does not require pounding down.
It is uniform in size, and has the small end crimped so as to secure a close and easy fit.
It has a coating which prevents rust.
It is nested 25 joints in a closed crate.
A low rate of freight is thereby secured.
It can be bought as cheap as ordinary mis-fitting Stove Pipe.





WE ALSO CARRY IN STOCK A FULL LINE OF TIN PLATES, GALVANIZED IRON, ETC.

KEMP MANUFACTURING CO.,

TORONTO, CANADA.

HARDWARE AND METAL

Vol. XI. MONTREAL AND TORONTO, NOVEMBER 11, 1899. No. 45

President, JOHN BAYNE MacLEAN, Montreal.
Treasurer, HUGH C. MacLEAN Toronto.

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Limited.

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

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WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

THE WELSH TINPLATE TRADE.

HARDWARE AND METAL has pointed out frequently that the great scarcity of ocean tonnage due to the war was certain to influence many lines of heavy material. Mail advices from Wales corroborate this expectation, in so far as it relates to tinplates. Owing to the lack of tonnage, the total exports from Wales have shown the marked falling off of 44,000 boxes. The receipts from works were about 3,500 boxes more, so that stocks have been increased to that extent, and stand now at nearly 192,000 boxes. On the whole, however, trade in tinplate during October was exceedingly prosperous, the exports totalling 13,522 tons, as against 6,162 tons in the same month in 1898. There was a substantial increase in the quantity of tinplate and black plates shipped to every country, except France, Portugal and Italy. The United States took 2,087 tons more, Russia 1,998 tons, Holland 1,687 tons, and Belgium 1,217 tons, the total increase for nine months being 30,000 tons. The fall in black tin, to which we have referred before, has been reflected in the tinplate market, cokes declining owing to this cause. Leading makers in Wales have, according to recent advices, secured heavy lines on account of Australia and America.

COIL CHAIN HIGHER.

The long-expected rise in the price of coil chain was decided upon by Montreal jobbers this week, and, as will be noted from the comparisons, the advance is considerable. The changes in detail are:

	New List.	Old List.
No. 6	$0 12	$0 11
No 5	0 10½	0 09½
No. 4	0 10	0 08½
No. 3	0 09½	0 07½
1-4 inch	8 00	6 25
5-16 "	5 65	5 00
3-8 "	5 05	4 50
7-16 "	4 80	4 35
1-2 "	4 65	4 25
9-16 "	4 50	4 20
5-8 "	4 45	4 10
3-4 "	4 40	3 90
7-8 "	4 40	3 80
1 "	4 40	3 80

WHEN SHIPPING GOODS EAST.

Our St. John N.B., correspondent writes: "Western shippers should learn that when they sell goods delivered at St. John, if the buyers have them billed for export, the difference which the railways make in the rate of freight in the interest of export business belongs to the buyer and not to the shipper. This almost seems too simple a proposition to need stating, still, there are shippers in the west who hold that they should have the advantage of the reduced rate."

THE ADVANCE IN LEAD.

THE pig lead market has shown a much firmer tone within the past fortnight, prices in London having advanced to £17 10s. They have fallen off 5s. since, but the change has not been sufficient to cause any reaction in spot prices, which, in consequence of the rise, were hoisted 25c. per 100 lb., and large consumers of pig lead claim that they had to pay $4.25 to $4.35 for round lots of 50 and 100 tons within the past ten days. Naturally, therefore, the jobbing price is held proportionately higher as will be noted from our market reports.

Another influence of the rise in lead has been to cause advances both in shot and lead pipe. Makers advanced prices on the latter 2½ per cent., the list discount now being 15 per cent. On the former they have withdrawn prices, and will likely ask considerably more money before long. In fact, some jobbers have already anticipated a rise in shot by advancing their prices about 50 to 75 per cent. both on double chilled and ordinary.

LEAD PIPE HIGHER.

There has been an advance of 2½ per cent. in lead pipe. The discount for Ontario and Quebec is now 15 per cent., instead of 17½ per cent., off list, the price being 7c. for ordinary and 7½c. for composition waste. In the Maritime Provinces, values are 25c. per 100 lb. higher, the net basis being $5.75 for ordinary and $6 for composition waste, delivered at Halifax or St. John. In British Columbia, prices are 50c. per 100 lb. up, the basis being $6.50 on ordinary and $6.75 on composition waste, delivery at New Westminster or Vancouver.

THE TRANSVAAL WAR AND TRADE.

THE troubles in South Africa are, aside from their political significance, of direct interest to merchants and traders generally owing to the influence they exert on the world's money markets. The Imperial Government is shipping gold to South Africa to meet its military expenses, and it has enormously increased its disbursements for military and naval purposes, and, if the war is long drawn out, its need of money will necessarily be heavily added to. An issue of consols is rumored, but, whatever form it takes, the Mother Country cannot carry on war in Africa without withdrawing from commercial uses a considerable volume of money now in use in the loan markets or seeking investment. At the same time the war has cut off the supply of gold from what has become the largest producing section. The supply of gold would still be far larger than it was a few years ago, but the business of the world keeps itself adjusted to the supply of gold in a general way, though of late years it has had some difficulty in keeping up with the increasing supplies, and the sudden cessation of the production on the Rand cannot fail to have an effect upon the money supply. On the other hand, the war is being felt in a beneficial way in the increased demand for breadstuffs, and there must be an increased demand for provisions if it lasts any time and also for war material of every sort. Canada, of course, should share in these benefits ; in fact, we have already had an experience in the shape of enormous purchases of Canadian hay for the army horses and mules. But, unfortunately, the stimulus thus afforded to certain branches of trade falls far short of compensating for the interruption of business in other directions. War involves waste of capital instead of its employment in reproductive forms, and the nerves and arteries of commerce are now so interlaced that waste at one point is not without its effect everywhere.

BLACKSMITHS ORGANIZING.

An association has been formed by nearly a hundred of the blacksmiths of Huron county, Ont. The object of the organization is to raise prices in proportion to the advances in the cost of supplies, and it has been agreed to raise the prices of new shoes from 25 to 30c. and of removes from 10 to 12½c. Similar associations are being formed in neighboring counties.

This movement is one that should receive every encouragement from hardware dealers. If the blacksmiths get good pay for their work there will be little likelihood of their failing and leaving the hardwareman with unpaid accounts. But, if, when prices are high, as at present, they continue to do their work at the old figures their earnings are bound to be decreased and the possibility of their failing increased. So, as a matter of self-interest, it would be well to help on such organizations as the Huron smiths have formed.

MAKING COLLECTIONS.

DURING the fall of the year, when the farmer is making deliveries of grain, hogs, etc., and reaping the profits of his labors of the summer, the merchant who does a credit business with the farmer is called upon to exercise even greater skill than usual in the management of his business.

In dealing with his farmer customer he has to exercise much tact and skill that he will get his pay, yet shall not offend, and consequently lose, any desirable customers through the persistency of his request for payment.

All merchants should, and most successful merchants do, know personally all their customers—not only have a speaking acquaintance with them, but know their characters and natures so well that they are able to approach them successfully on such matters as the payment of their accounts.

When a merchant sells a customer goods on credit, his customer is under no obligation to him, if he pays it in a reasonable time. The merchant's reward is, or should be, in the increased charge made because of the business being on the credit basis. When this principle is thoroughly recognized, there is less difficulty in approaching a customer about his account than when the merchant looks upon it as a personal favor to his customer.

But, when the customer asks that his account may be left unpaid over the reasonable limit of time, he puts himself under obligation to the merchant, and should be able and willing to give satisfactory reasons for so doing.

As a general rule, the present is the reasonable time for the payment of farmers' accounts, and, if a farmer does not pay up when he is getting his own payments, he should give reasons for the neglect. The merchant should be able to know, from his knowledge of the man's character, whether the reason is satisfactory or not. If it is, certainly the request for longer credit should be granted ; if it is not, it should be "gently, but firmly," refused.

CANADIAN TRADE WITH JAMAICA.

The commercial agent of Canada at Kingston, Jamaica, suggests that during the meeting of the Legislative Council, of the Island, which convenes in December or January, the Dominion Government should take advantage of the tariff revision, which is to be made then, to secure whatever return is desired for Canadian favors already granted.

He also advocates a faster and cheaper boat service, as rates are now considered excessive. More energetic action on the part of exporters is also advanced. What has interfered greatly with the development of Canadian trade has been lack of promptness on the part of Canadian exporters in answering correspondence and their failure to comply with instructions. He is glad to note a house has been opened in Kingston, Jamaica, to handle Canadian boots, shoes, cottons, etc., direct from the manufacturers in this country. The Island is at length beginning to show signs of a revival of trade and agricultural prosperity.

Another combine is in the saddle. It is the saddle combine, and should ride well.

NO COIL CHAIN DISCOUNT.

In addition to the advance in the price of coil chain, noted in last week's issue, the cost of this chain has been enhanced by the discontinuance of the discount. Previous to the change noted last week, a discount of 3 per cent. 30 days was allowed. Now the terms are net cash.

IMPORT GLASS ARRIVING.

THE past season has been an exceptional one in the window glass trade. Import orders, which generally begin to arrive in June, did not start coming in till August, and then deliveries have been so irregular that many of the orders will have to be filled by winter delivery, which entails extra expense, because of the winter freight rates.

This condition of affairs has been largely unavoidable, at least, as far as the jobbers who took, and the manufacturers who contracted to fill, the orders are concerned.

First came the strike of coal miners, which limited the supply of necessary fuel for the furnaces; then the employes at most of the glass furnaces "went out." Added to this, the demand from all countries, was, like the demand from Canada, much larger than usual.

In the face of these conditions, it must be admitted that the proportion of orders filled in Canada has been large. By energetic action of the house in Belgium, which took most of the Canadian orders, more than was anticipated is coming by the summer route.

This house had made contracts with a line of steamers to bring to Canada their window glass. After the last sailing of this line, many boxes were left in Amsterdam awaiting delivery. The Belgian makers, however, secured space on a steamer chartered to make a special trip to Canada, and their patrons have just received advices of large shipments which should come on this boat in a few days. Included in this special delivery are 2,000 boxes for one Toronto house and 200 boxes for another.

ODD AND ENDS.

Between the time of giving an order and receiving his goods, a customer in a hardware store generally has to wait more or less time.

It is a characteristic of humanity of the present day that they are seldom idle. If the hands, feet or body, be idle, the eyes, ears or mouth usually find something to do. Two other characteristics of the average customers of a hardware merchant are, that they like a bargain, and they, as a rule, carry a fair supply of small change.

The hardwareman should make use of these characteristics to use these moments of waiting to divert some of this loose change into his till in exchange for some bargain.

There are about a hardware store an innumerable variety of small articles, generally sold in gross or dozen lots, but often wanted in smaller quantities. It would be a good idea to have a couple of trays filled with these goods and placed prominently on the counter, with prices attached. These prices should always be close, but never below cost, unless it is desired to clear the article out.

A number of trays might be used—one with articles likely to tempt a housekeeper, another with goods useful around a farm, another with mechanics' tools, and another with sporting goods supplies. In season, such a tray can be made to sell a large quantity of bicycle supplies.

THE NEW FILE LIST.

Through the kindness of H. S. Howland, Sons & Co., Toronto, we are enabled this week to give our readers the new list on files adopted and issued by the File Manufacturers' Association of the United States. This list has also been adopted by Canadian file makers.

The reasons given by the manufacturers for the advance are concisely expressed in the following extract from a circular issued by one of the largest file-making concerns in the United States: "The continued advance in the cost of everything that enters into the manufacture of our product has compelled our recent advances, and conditions are so favorable to the maintenance of these advances by the trade that we confidently count upon the cooperation of our customers, thus enabling both of us to secure the full benefit of these prices."

DON'T PRESS SALES.

One of the reasons the large stores are patronized so much is that one has perfect liberty of ingress and egress, says The Merchants' Review. You can go in and go all over the place looking for what you want, and no one will tag you or burden you with attention. It is their perfect independence that brings their trade. In many places one cannot leave without buying, as from the moment you enter the door you are persecuted with politeness or engulfed with sweetness. People learn to shun a store where they feel they cannot leave without buying. Have your store as free as the outside air to customers. Let them go in and out at pleasure, but be sure they have attention when they want it.

CHANGES OF THE WEEK.

A DECLINE IN TIN.

IN consequence of a steadily weakening foreign tin market, Canadian dealers have made a reduction of 1c. per lb. in their prices. This makes pig tin 36c. per lb.

CANADA PLATES ADVANCED.

Local stocks of Canada plates are being steadily reduced by a big consumptive demand. As prices in South Wales have advanced, jobbers are quoting 25 to 35c. higher prices. All-dull are now quoted at $3; half-polished at $3.10; all-bright at $3,60. A good trade is being done at these figures.

BLACK SHEETS DEARER.

The upward tendency noted in black sheets last week has culminated this week, in an advance of 10c. in all guages. The price of 28 gauge is now $3.35.

EUROPEAN TOOLS HIGHER.

English manufacturers of garden tools have raised their prices 10 per cent., necessitating a like advance on the part of Canadian dealers in these tools. Canadian garden tools have not been advanced.

Late advices from Germany quote advances by manufacturers in all kinds of carpenters' tools, the rise in augers being fully 20 per cent. These advances will be followed by Canadian jobbers in German-made tools.

DISCOUNTS.

The only changes in discounts noted this week are reductions from 45 to 40 per cent. in pieced tinware, and from 50 to 45 per cent. in sheet iron and steel ware.

AUSTRALIANS AT OTTAWA.

An Ottawa despatch says that W. P. Reeves, New Zealand; Sir Andrew Clarke, Victoria, and Dr. Cockburn, South Australia, who have been attending the Congress of Commerce at Philadelphia, arrived in that city on Sunday. They are having a conference with some of the Ministers on the Pacific cable and other matters in which Canada and the sister colonies are interested.

A TABLE WORTH PRESERVING.

A HALIFAX subscriber has kindly sent the following useful table to HARDWARE AND METAL. It shows the cost in sterling per English ton (2,240 lb.) converted to Canadian currency per 100 lb., at an exchange basis of 10 per cent. It should be of value to our readers for reference:

STERLING PER TON (2,240 LB.) CONVERTED INTO DOLLARS AND CENTS PER 100 LB., BASIS OF 10 PER CENT. EXCHANGE.

1s.	$.011	18s.	$.196	£23	$5 02	£49	$10 69	£ 75	$16 36
1s. 3d.	.014	19s.	.207	24	5 24	50	10 90	76	16 58
1s. 6d.	.016			25	5 45	51	11 12	77	16 80
1s. 9d.	.019	£ 1	.218	26	5 67	52	11 35	78	17 02
2s.	022	2	.437	27	5 89	53	11 56	79	17 24
2s. 6d.	.027	3	.655	28	6 11	54	11 78	80	17 46
3s.	.033	4	.873	29	6 33	55	12 00	81	17 68
3s. 6d.	.038			30	6 54	56	12 22	82	17 90
4s.	044	£ 5	$1 09	31	6 76	57	12 44	83	18 11
4s. 6d.	.049	6	1 31	32	6 98	58	12 65	84	18 33
5s.	.055	7	1 53	33	7 20	59	12 87	85	18 55
6s.	.065	8	1 75	34	7 42	60	13 09	86	18 77
7s.	.076	9	1 96	35	7 63	61	13 31	87	18 99
7s. 6d.	.082	10	2 18	36	7 85	62	13 53	88	19 20
8s	.087	11	2 40	37	8 07	63	13 74	89	19 42
9s.	.098	12	2 62	38	8 29	64	13 96	90	19 64
10s.	.109	13	2 84	39	8 51	65	14 18	91	19 86
11s.	.120	14	3 05	40	8 72	66	14 40	92	20 08
12s.	.131	15	3 27	41	8 94	67	14 62	93	20 30
12s. 6d.	.136	16	3 49	42	9 16	68	14 83	94	20 51
13s.	.142	17	3 71	43	9 38	69	15 05	95	20 73
14s.	.153	18	3 93	44	9 60	70	15 27	96	20 95
15s.	.163	19	4 15	45	9 81	71	15 49	97	21 17
16s.	.174	20	4 36	46	10 03	72	15 71	98	21 38
17s.	.185	21	4 58	47	10 25	73	15 93	99	21 59
17s. 6d.	.191	22	4 80	48	10 47	74	16 14	100	21 80

"BUSINESS IS BUSINESS."

"BUSINESS is business." So says the old saw, and true it is that business is business all the time. Some of us occasionally forget or overlook the fact, but sooner or later it comes home to us, and if we have done what should have been business in an unbusinesslike manner, we are pretty sure to have to bear the consequences, says an English exchange. It is surprising how many men in business there are who are not really men of business. They may be the round men in square holes, or the square men in round holes, and possibly may be, probably are, men who ought never to have been in business at all. Whatever the cause, there can be no question as to the effects. These are the class of men who look upon business as being a sort of annuity, or pension. They regard their business as being either a nuisance to themselves personally, or, on the other hand, as being a sort of enclosed preserve or domain with which no external hand may meddle, and against which no competitor dare or should arise. They do as little work personally as possible. They never advertise—oh! no. Don't read their trade journal—absurd. Don't like telegrams—make them nervous. Hate all signs of progress; hold on like grim death to old-fangled notions, old patterns, old prices, old profits, and old ways generally, and, when they find themselves thoroughly stranded, pose as victims: deem themselves very badly treated, and expect sympathy.

With these, business is not business, and if the class to which they belong does not try to "keep up with the procession," they must drop out and eventually be lost sight of. Another class of men with whom business is not business is the larger class whose members never have time for anything; are always "on the rush," like a bee from flower to flower; have a hundred things in hand at once, and never finish any one of them; seem to be "worried to death" by their attempts to do every little thing themselves; never know how their books stand, and certainly not their stock; fuss about over every trifling transaction of the day, and ultimately become prematurely old, faded, and impecunious men. That sort of thing is not business. The man who is engaged in any branch of trade, and who means to be successful, must embody the great principles of division of labor, must organize as well as work, must keep his head cool, and must so arrange his stock and books as to know "where he is" at even an hour's notice.

Of still another class is the man who knows the mechanical or routine part of his business thoroughly; who has been "in it" all his life; who is perfectly respectable, industrious, and conscientious, and yet never gets ahead of his actual wants, and never has £50 to expend or invest.

This class has many members, who are often deserving of the utmost sympathy and encouragement. They do not succeed thoroughly because they are lacking in some of the essentials which make for complete success. Either they are afraid of "stepping out" in order to keep up-to-date, or have no belief in the efficacy of most of the modern incitements to progress of which they read or hear. Some of them are short of capital, others are burdened with large families—in both of which the brake of sluggishness is more misfortune than fault.

But the average man of this description does not make the most of his opportunities, and his shortcomings lead one to the conclusion that with him, too, the business is not business in the proper sense of the phrase. Now, it is perfectly clear that, in theory, at all events, men of business should always be businesslike men. That is the only route to the goal of success, and if the conditions of the contest are not observed, no man can justly complain if he fails to secure a prize. Most men have opportunities of some kind at some epoch of their lives. The man who takes the tide on the flood is the man who succeeds and makes money. The unsuccessful man does not grip the chance when it arrives, and often indulges in a lifetime lament that he did not do so. That is the difference between the two classes of men. One is eagerly on the lookout, and never loses a chance; the other expects opportunities to be almost forced upon him, and even then fails to grasp and turn them to account. To the man with whom business is business it is so all along—not now and then, but every minute of the business day, and every working day of the entire year. Genius is said to consist in infinite pains over insignificant matters; so, business is business in relation to all things in a man's affairs, from A to Z, and from the largest wholesale transaction to the smallest retail trade. Business is not fun, nor is it the mechanical performance of any given set of rules or duties. It is the combination of brains with hands, eyes, and ears; the due consideration of all conditions and circumstances; the prompt grip of all opportunities; the honest and just treatment of all persons with whom you come in contact; the careful observation of all that is going on in the world at large; the readiness to move on with the rest of the world, and particularly with the rest of your trade; the receptivity of new ideas; and the determination to be a "twenty-shillings-in-the-pound" man all around. Depend upon it, no man can succeed in business unless he means business, sticks to business, and is always business.

WIRE NAILS
TACKS
WIRE
Prompt Shipments
The ONTARIO TACK CO
Limited
HAMILTON, ONT.

THE VALUE OF EXPERIENCE.

DURING the last 25 years there has been a very material change in almost everything connected with our existence, writes G. W. Werlin, in The Chicago Grocer. War, for example, is at present conducted on very different lines from what formerly prevailed, and the change in business is no less conspicuous. Any nation that engages in war, or any man who enters upon business to-day, without such an experience and preparation as insures the use of the best up-to-date methods, is almost sure to meet disaster. Experience in war and experience in business are alike essential to success.

It may be possible occasionally to point out a business in which a man has succeeded without previous experience, but it is far easier to point out a very large number of cases wherein lack of experience has brought on disaster. That experience was lacking on the part of the one who failed may have escaped notice in some cases when the failure occurred, from the fact that some years had intervened between the time the business was begun and when the failure occurred. Nevertheless, it was inexperience that caused the disaster, and the disaster was delayed only during the period necessary to exhaust or consume the assets of the business.

Business cannot be learned from books or acquired at school. A theoretical course in business is only an introduction to its practice. It requires thorough training to make a successful business man. Employment in a prosperous and progressive establishment, affording as it does the opportunity for watching causes and effects, and stimulating a desire to excel in the duties imposed, is the only practical training school.

To enumerate causes of business failures would be an almost endless task. The causes are extremely numerous, but, for the most part, they are mixed up with one kind or another of inexperience. Buying cheaply and selling at high prices are not the only conditions to insure success. Good buying is an art, the practice of which requires one to know many things and to understand many conditions. Speaking in general terms, goods can be bought cheapest when bought in a manner that causes the seller the least expense to make the sale. Therefore, the buyer's condition of solvency, his ability to pay promptly, his management of the details of his business, and other conditions peculiar to himself, all affect the prices that he pays for his goods. But all these are things which require forethought; that demand for their proper employment an intelligent study of conditions and a thorough acquaintance with surroundings, which are only other names for experience.

NOT FOR TO-DAY ONLY

but for all days, is the one of the many sound principles we have been living up to in putting

THE SHERWIN-WILLIAMS PAINTS

on the market. Thirty years ago we began making paints for the future. We sold them, too, but that was not as essential as making them so that the same label would sell them in years to come. We were making paints and a name at one and the same time, and we've never stopped.

The result of that forethought makes our lines of goods the most reliable on the market.

And then, too, we've been advertising them wisely and persistently—pushing them forward on their merits. The combination of good goods well advertised can't be beat, and the merchant who takes hold of The Sherwin-Williams Paints in earnest is sure to win—not to-day only, but right through the future.

THE SHERWIN-WILLIAMS CO.
PAINT AND VARNISH MAKERS.

Canadian Division:
21 St. Antoine St.,
Montreal.

CLEVELAND.
CHICAGO.
NEW YORK.
MONTREAL.
BOSTON.
TORONTO.

THE AUTOMOBILE VS. THE HORSE.

E. H. Bayley, of Bayley's Wagon Building Works, London, who was chairman of the London Road Car Company, and now, in addition to employing 1,000 or so horses in his own business, is chairman of the Daimler Motor Company, has given some data relative to the cost of running automobiles. The tests by the Automobile Club at Richmond and, more recently, those held by the Liverpool Self Propelled Traffic Association, have shown that not only can motors do general carrying work more quickly and more efficiently than horses, but—most telling point of all—do it at less than one-seventh of the cost. For instance, a car has been proved, under the test already mentioned, to be capable of carrying a load of 3 tons 12 cwt. at a cost for fuel which works out 1c. per ton mile. The total upkeep of such a vehicle, when all expenses for working, wages, fuel, repairs, insurance, etc., are taken into consideration, comes to a sum of $1,980.73, and this, with a carrying capacity for 260 working days, gives an average cost of a fraction under 3c. per net ton per mile. When that is compared with the cost of horses, and experience in London is that it varies from 18 to 24c. per ton per mile, it can be seen what a future such vehicles have before them.

HOW THEY CARRY MONEY.

To the initiated, a man's nationality is betrayed by the way he carries his money, says an exchange. The Englishman carries his loose in his right-hand trousers' pocket—gold, silver and copper all mixed up together. He pulls a handful of the mixture out of his pocket in a large, opulent way and selects the coins he has need of.

The American carries his wad of bills in a peculiar long, narrow pocketbook, in which the greenbacks lie flat. The Frenchman makes use of a leather purse, with no distinguishing characteristics, while the Germans use one gayly embroidered in silks by the fair hands of some Lottchen or Mina.

The half-civilized capitalist from some torrid South American city carries his dollars in a belt, with cunningly devised pockets to baffle the gentlemen with the light fingers. Some of these belts are very expensive.

The Italian of the poorer classes ties up his little fortune in a gayly colored handkerchief secured with many knots, which he secretes in some mysterious manner about his clothes.

A similar course has charms for the Spaniard, while the lower class Russian exhibits a preference for his boots or the lining of his clothes as a hiding place for his savings.

TRADE CHAT.

SHELDON & JENKINS, the enterprising proprietors of the Aylmer, Ont., Iron Works, may start making horseless carriages in the near future. They have imported an excellent machine of the kind, in order to study its construction.

Portland cement works are being built at Hanover, Ont. They will likely be ready for manufacturing next spring.

The Walkerton Telescope says a gentleman visited that town recently with a view of moving his carriage factory there.

Bamford Bros., Listowel, Ont., are increasing the capacity of their planing mill. They have just put in a new boiler, and raised their smokestack.

The Farmers' Binder Twine Company, of Brantford, has just declared a dividend of 100 per cent. on its paid-up capital stock for the last year. The last dividend was 60 per cent.

Webster & Boyes' carriage factory and contents, Napanee, Ont., were completely destroyed by fire on Sunday morning. The insurance is $1,100, and the loss about $1,600.

Geo. A. Rollins, hardware merchant, Madoc, Ont., has moved into excellent new premises. Mr. Rollins' business has so increased of late that he has found it necessary to have larger premises than he had. His present store is modern in every respect.

The Kingsville glass factory is rapidly nearing completion. The pattern-makers are hard at work. The company have already contracted for a large order consisting of 100,000 cases of fruit cans. G. W. Green & Co. have contracted to furnish the glass factory with 150,000 boxes annually.

NEW STORES STARTED.

A. Grant has started as harness dealer in Newbury, Ont.

M. N. Ritchie has started a general store in Marquette, Man.

R. M. Hall is starting a general store in Whitebourne, Nfld.

A. H. Walsh is starting as general merchant in Quyon, Que.

C. J. Upton has started as general merchant in Watford, Ont.

Thos. Proudfoot has opened a general store in Fort Coulonge, Que.

Fontaine & Co. are starting as general merchants in Papineauville, Que.

Donald McLeod is opening as general merchant in Willoughby, N.W.T.

J. H. Mendels, general merchant, Perth, Ont., has started a branch at Brightside, Ont.

Want a Gun?

— BUY AN —

IVER JOHNSON



The IVER JOHNSON

Ejector Single Gun.
New Principle.
No Top or Side Action.

Dealers who want good reliable single guns, to be sold at moderate prices, will find the new models of the Iver Johnson, Ejector and Top Snap, just the kind for their Fall business.

WRITE FOR PRICES.

Iver Johnson's Arms & Cycle Works

FITCHBURG, MASS.

IVER JOHNSON
Guns, Revolvers, and Bicycles
are Honest Goods at Honest Prices.

BRANCHES—
NEW YORK—99 Chambers St.
BOSTON—408 Washington St.
WORCESTER—304 Main St.

Use Gilbertson's Tinplates

for the following reasons:

They are heavily coated with Tin.
They are of soft Siemens quality.
They are noted for deep stamping qualities.
They are the best for canning purposes.
They cost NO more than inferior brands.

Gilbertson's make the following brands and qualities:

"Gwyned," Coke Finish,
"Regina," Coke Finish,
"Comet," Charcoal Finish,
"Lincoln," Charcoal Finish,
"Crown," Charcoal Finish,
"Pontardawe," Best Charcoal Finish.

BE PARTICULAR to ask for these brands when ordering from your jobbing house. They can be supplied in all sizes and weights.

GILBERTSON'S TERNEPLATES

"Regina" Brand

This is a superior plate and heavily coated—a good roofing plate that will give satisfaction to your customers.

Wholesale Only.

ALEXANDER GIBB

Agent for Canada. **22 St. John Street. MONTREAL.**

H. S. HOWLAND, SONS & CO.

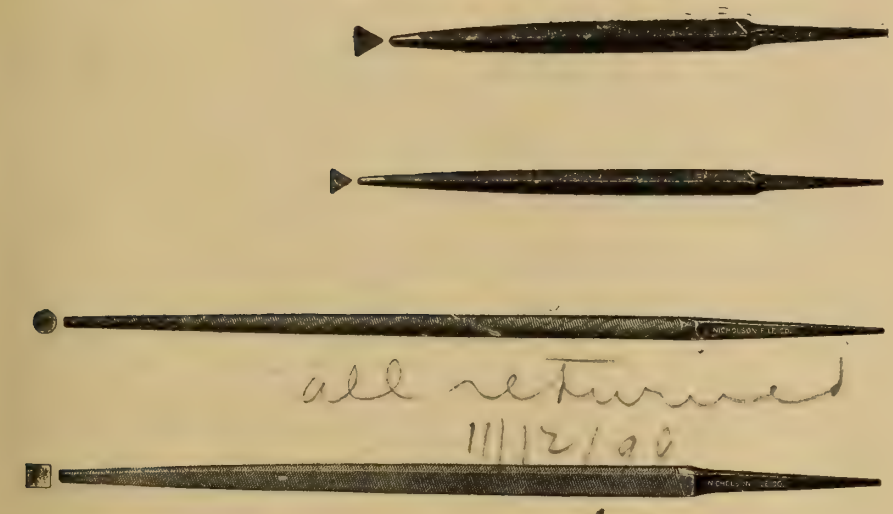
WHOLESALE ONLY

37-39 Front Street West, **Toronto.**

ONLY WHOLESALE

FILES AND RASPS

IN STOCK.

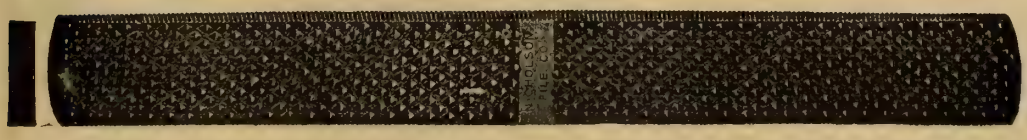


all returned
11/12/20

Nicholson's
Kearney & Foote's
Globe File Co.'s

HORSE RASPS

Heller & Bros'.



H. S. HOWLAND, SONS & CO., TORONTO

WRITE FOR DISCOUNTS

Graham Wire and Cut Nails are the Best.

OUR BRANDS ARE THE BEST

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL, November 10, 1899.

HARDWARE.

THE general hardware situation is quite as buoyant as it was, and the volume of business continues surprising. Smooth steel wire is scarce, and wire nails are firmly held with a fair inquiry, while there are good quantities of nails moving. Stocks of horse nails are said to be light in third hands, and more inquiry is experienced, while horseshoes are also asked for. Screws are active, and there has been an advance in bolts, which also continue active. In heavy iron material, several important advances have also taken place, as noted elsewhere.

BARBED WIRE—There is no change in barbed wire, which we quote at $3.40 to $3.50, as to quantity.

SMOOTH STEEL WIRE—Some hay-baling is moving, and the supply generally of smooth steel wire is light, owing to the mills being away behind. We quote $3.35 per 100 lb.

GALVANIZED WIRE—A quiet trade is noted, and prices are steady. We quote as follows: Nos. 6 to 8, $3.80; No. 9, $3.25; No. 10, $3.85; No. 11, $3.95; No. 12, $3.40; No. 13, $3.55; No. 14, $4 25; No. 15, $5.25, and No. 16, $5.40.

FINE STEEL WIRE—Discounts are unchanged at 12½ per cent.

BRASS AND COPPER WIRE — Discounts remain 50 and 2½ per cent. on brass and 45 and 10 per cent. on copper.

FENCE STAPLES — A moderate quantity is moving. We quote $4.15 for galvanized and $3.55 for bright.

FINE STAPLES — Quiet. We quote: Coopers' staples, 50 per cent.; poultry netting, 45 per cent., and electrical, etc., 40 per cent. discount off list.

WIRE NAILS—The tendency of values is quite stiff in these, and stocks, generally, are moderate despite the good movement. We quote $3.30, with miscellaneous 72½ off list.

CUT NAILS—There is a good business in these, and prices are firm at $2.60 base.

COPPER NAILS—Discounts 50 per cent. off list.

FLOUR BARREL NAILS, ETC. — Without change. We quote: Flour barrel, 20 per cent. and coopers' nails, 25 per cent. off list.

BOAT NAILS — As last noted, at 30 per cent. discount.

GALVANIZED ROOFING NAILS — Steady, at 8c. with 10 per cent off list.

HORSE NAILS—Stocks of these are now discovered to be light, as a general rule, and demand is increased. Discounts, 50 per cent. on standard and 50 and 20 on Acadia.

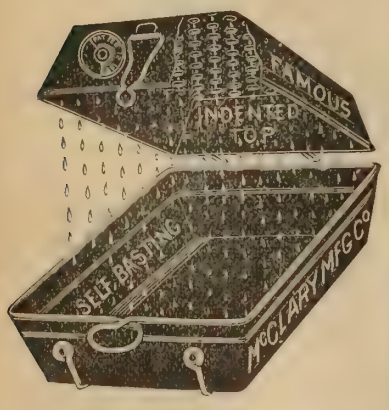
HORSESHOES — Demand has increased, and makers report a large volume of orders. We quote: Iron shoes, light and medium pattern, No. 2 and larger $3.70; No. 1 and smaller, $3.95; snow shoes, No. 2 and larger, $3.95; No. 1 and smaller, $4.20; X L steel shoes, new light pattern, No. 2 and larger, $4.00; No. 1 and smaller, $4.25; featherweight, all sizes, Nos. 0 to 4, $5.25; and toe weight steel shoes, all forward, all sizes $6.35 f.o.b. Montreal, St. John, N.B., and Halifax, N.S. Delivered f.o.b. in Toronto, Hamilton, London and Guelph 10c. per 100 lb. extra.

SCREWS—There is an active trade in these.

...SEASONABLE GOODS...

TURKEY TIME!

Famous { SELF-BASTING } Roasting-Pan.



Keeps all the flavor in the fowl . . .

MADE IN THREE SIZES,
Nos. 20, 30, 40.

The condensed steam gathers and drops onto the fowl or meat from the indented top, keeping

The meat well basted . . .
The flavor from escaping.
Saves the danger of burning either the hands or the meat . . . . . .

THEY ARE QUICK SELLERS.

A NEW PAIL

Enamelled Dufferin Pail.

One size, No. 14.

Made with a rest or foot on the bottom that cannot wear away quickly.



Send a Sample order.

Made in Imperial Ware.

They are acid proof and are not easily chipped.

PROMPT SHIPMENTS ARE OUR AIM.

Everything for the Tinshop.

THE McCLARY MFG. CO., - London, Toronto, Montreal, Winnipeg, Vancouver.

The very worst of galvanized iron is likely to imitate best—as to brand—no deeper.

Apollo Iron & Steel Company
26 St. Sulpice St., MONTREAL.

Cements { PORTLAND, ROMAN, KEENE'S
Bricks . . { FIRE, BUILDING, PAVING
Sand . . . { SILICA FIRE, MOULDING, BUILDING

F. HYDE & CO.
31 Wellington street, MONTREAL

English Castor Oil
GUARANTEED PURE.
Pharmaceutical, Tasteless, Cold Drawn
First Pressure
Second Pressure
In cases of 2 tins and in barrels. Stocked by all Hardware, Oil and Color men.
The Hull Oil Manufacturing Co.
LIMITED
B. & S.H. THOMPSON & CO.
Agents for Canada - MONTREAL

CANADA IRON FURNACE CO., Limited
Manufacturers of
CHARCOAL PIG IRON
MONTREAL.
BRAND "C.I.F." THREE RIVERS
PLANTS AT
Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.
Geo. E. Drummond,
Managing-Director and Treasurer

Discounts: Flat head, bright, 80 per cent; round head do., 75; flat head, brass, 75; round head do., 67½.

BOLTS — There has been an advance in bolts all around. New discounts are as follows: Carriage bolts, 5-16 and smaller, 50 per cent.; ⅜ and up, 50 per cent.; full square bolts, 65 per cent.; machine bolts, 52 per cent.; coach screw bolts, 65 per cent., and sleighshoe bolts, 70 per cent.

NUTS AND WASHERS — A good trade is noted. We quote: Square, 3½c. per lb. off list, and hexagon 4c. per lb. off list. This is an advance of ¼c. per lb. Washers in 50-lb. boxes are 35 to 40 per cent. discount.

RIVETS—A fair trade is experienced. Discounts are: Black and tinned, 45 per cent.; ditto burrs, 40 per cent.; copper rivets and burrs, 35 per cent.

CORDAGE—Advices continue very strong on hemps, but prices for rope are unchanged, though firmly held. We quote: Manila, 14½ to 15c. for 7 16 and up, and 15½ to 16c. for ⅜ up. Sisal, 12 to 12½c. for 7-16 and up, and 13 to 13½c. for ⅜, and up.

FIREBRICKS—An active trade is reported, and values rule firm at $18 to $23 per 1,000 as to brand. Receipts for the past week were 134,400, making a total to date of 2,238,712.

CEMENT — There has been no change since last report. The scarcity on spot still continues; importers and dealers generally are finding it difficult to fill their contracts, and the prospects are that a very light stock will be carried over this winter. The demand has fallen off during the week, owing to the continued wet weather, but the tone of the market is firm at the recent advance in prices. We quote: Belgian, $2 to $2.30; English, $2.35 to $2 50; German, $2.50 to $2.70. Canadian brands are 30 to 50c. higher at $2.20 to $2 40.

METALS.

All lines of iron are firm, but black tin and ingot copper have ruled soft. Advances in iron material this week have been in bar iron, galvanized iron, tinplate, and coil chain, the rise in each case, as will be noted below, having been considerable.

PIG IRON—The firm feeling continues marked, as demonstrated this week by sales of No. 1 Summerlee at $26 to $27, and Carnbro, at $24.50, in 25 and 50 ton lots.

BAR IRON—Makers have advanced prices again and in consequence the price for jobbing lots is marked up 10c. to $2.50, carlots, of course, being obtainable for less money. Stocks are generally admitted to be light both in second and third hands.

BLACK SHEETS—Firm with a quiet business. We quote: 8 and 15, $2.60; 18

Special Grades
of IRON and STEEL for special work.
We Solicit Inquiries for Import
A. C. LESLIE & CO.
MONTREAL.

SEND for specimen copy of Phillips' Monthly Machinery Register, containing over 5,000 entries of new and second-hand machinery of every description. The oldest established and most successful medium in the world. Established 25 years for the purpose of introducing those who have machinery for sale, to those who wish to buy, has a circulation of about 50,000 copies per annum, all over the world, and is used for continual reference by a large number of firms. It is consequently a most valuable advertising medium for all engineers and manufacturers. Subscription, 6s. per annum, price per copy, 6d. Sole Proprietor, CHAS. D. PHILLIPS, M.I.M.E., Newport, Mon., England. Telegraphic address; "Machinery, Newport, Mon."

One of the
LEADING WHOLESALE HARDWARE HOUSES
in Montreal to-day is
SEYBOLD, SON & CO.,
Established 30 years.
Carrying a complete assortment of HARDWARE, from a Needle to an Anchor.

ADAM HOPE & CO.
30 JOHN STREET N.
Hamilton, Ont.
GALVANIZED SHEETS
"QUEEN'S HEAD"
"COMET"
"APOLLO B B"
"JUNIATA"
STEEL SHEETS
20 to 28 Gauge
TIN PLATES
CANADA PLATES
SHEET ZINC
RUSSIA IRON

NOVA SCOTIA STEEL CO.
Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
Open Hearth Steel

and 20, $2.30; 22 and $24, $2.50; 26, $2.60, and 28, $2.65.

STEEL — This is strong with an upward disposition. We quote: Sleighshoe, $2.80; tire, $2.85: spring, $3.10; machinery, $3.60, and toe calk, $3.30.

GALVANIZED IRON—Under an active demand and light stock prices have been advanced 5 to 10c. We quote as follows: No. 28 Queen's Head, $4.70 to $5.00, and No. 26, $4.50 to $4.75; Comet, No. 28, $4.45 to $4.70, and No. 26, $4.15 to $4.45.

INGOT COPPER—Rules easy outside, but unchanged here, at 18½ to 19c.

INGOT TIN—The heavy feeling continues, and spot prices are ½c. per lb. lower, at 35c.

LEAD—This metal is excited and advancing, being 25c. per 100 lb. higher this week at $4.50, and points higher.

SHOT—Owing to the increase in lead, shot is about 75c. per cwt. higher. We quote ordinary 5½c. and double-chilled 6¼c.

LEAD PIPE — Owing to the advance in raw material, makers have advanced prices 2½ per cent. We quote ordinary 7c., and composition waste 7½c. with 15 per cent. off.

IRON PIPE—Firmly held at the rise. We quote: Black pipe, ¼ to ⅜, $3.40; ½, $3.60; ¾, $4; 1, $5.75; 1¼, $7.50; 1½, $9.75, and 2-in., $12.75.

TINPLATES — With a brisk business and small stocks, dealers have advanced prices 10c. per case for case lots. We quote coke, $4.50, and charcoal $4 80.

CANADA PLATES—Equally firm, though not quotably changed. We quote: 52's, $2.60; 60's, $2.70; 75's, $2.80; full polished, $3.25; galvanized Canada plates, $4.55 for 52's.

TERNE PLATE — Without change, but firmly held at $8.

SWEDISH IRON—Stiff, and 25c. higher, at $3.75.

COIL CHAIN—There has been a rise all around in coil chain. We quote as follows: No. 6, 12c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-inch, $8; 5-16, $5.65; ⅜, $5.05; 7-16, $4.80; ½, $4.65; 9-16, $4.50; ⅝, $4.45; ¾, $4.40; ⅞ and 1 inch, $4.40.

JACK CHAIN—Firm at 35 per cent. on steel and 40 per cent. on brass.

SHEET ZINC—Easier, at 7¼ to 7½c.

ANTIMONY—Steady, at 11 to 12c.

SPELTER—Lower, at $6.25.

GLASS.

Demand is active for window glass, and, with supplies short, prices are firmly held at the rise. We quote as follows: First break, $2.00; second, $2.10 for 50 feet; first break, 100 feet, $3.80; second, $4.00; third, $4.50; fourth, $4.75; fifth, $5.25; sixth, $5.75, and seventh, $6.25.

PAINTS AND OILS.

The paint and oil market is firm, and business generally is active. Linseed oil prices have advanced 2c. per gal., and prices on dry lead are ¼c. higher for kegs. All other lines are firmly held, also.

WHITE LEAD—Best brands, Government standard, $6.37½; No. 1, $6; No. 2, $5.62½; No. 3, $5.25.

DRY WHITE LEAD—$5.25 in casks; kegs, $6.

RED LEAD—Firm; casks, $4.75; in kegs, $5.

WHITE ZINC PAINT—Pure, dry, 8c.; No. 1, 6½c.; in oil, pure, 9c.; No. 1, 7½c.

PUTTY —We quote: Bulk, $1.65; bladders, in bbls., $1.80; bladders, in cases, $1.95; in tins, $2.05 to $2.30.

LINSEED OIL — Raw, 61c.; boiled, 64c., five to nine-barrels, 1c. less, ten and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—Single barrels, 77c.; two to four barrels, 76c.; five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Firm; $1.10 to $1.30 per gallon.

CASTOR OIL—Firm; 7½ to 8c.

SEAL OIL—35c.

COD OIL—32½ to 35c.

NAVAL STORES—Fair demand for all lines, and prices show no change: Resins, $2.75 to $4.50, as to brand; coal tar, $3 to $3.50; cotton waste, 4½ to 5½c. for colored, and 6 to 7½c. for white; oakum, 5½ to 6½c., and cotton oakum, 9 to 11c.

PETROLEUM.

Prices have been advanced ½c., and we quote. "Acme," 18c., and "Silver Star," 17c. Inquiry is more active.

HIDES.

Unchanged. Beef No. 1, 10c.; No. 2, 9c., and No. 3, 8c. Lambskins, 75c. Calfskins, 11c. for No. 1 and 9c. for No. 2.

COAL.

Firm. We quote as follows: Stove, $5.75; chestnut, $5.75; egg, $5.50; Scotch grate, $6; Scotch steam, $4 to $4.50; Tower ports steam, $3.50 to $3.75.

MONTREAL NOTES.

Bar iron has been advanced 10c. per 100 lb.

Lead pipe is 2½ per cent. advanced on last week's basis.

Galvanized iron of all sorts is held 5 to 10c. higher than it was.

Linseed oil has been marked up 2c. per gal., and dry white lead ¼c. in kegs.

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.

'WELLINGTON' KNIFE POLISH

JOHN OAKEY & SONS, LIMITED

MANUFACTURERS OF

Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.

Wellington Mills, London, England.

Agent:

JOHN FORMAN, 644 Craig Street

MONTREAL



COVERT MFG. CO.

West Troy, N.Y.

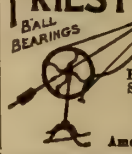
DERBY SNAP.

With Plated Rust Proof and Guarded Spring.

"THE LATEST AND BEST."

For Sale by all Jobbers at Manufacturers' Prices.

PRIEST'S CLIPPERS



Largest Variety, Toilet, Hand, Electric Power

ARE THE BEST.

Highest Quality Grooming and Sheep-Shearing Machines.

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American Shearer Mfg. Co., Nashua, N.H., USA

COATES' CLIPPERS



HAND AND POWER, easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel and will not heat. 1899 catalogue ready.

Coates Clipper Mfg. Co.

WORCESTER, MASS.



Pullman Sash Balance Co.

Makers of the

"Pullman" Hardware Specialties

Main Office and Works,

Rochester, N.Y., U.S.A.

On sale all round the globe.

Sizes, ⅜ and ½-inch.



Cheapest IN THE WORLD.

J. M. LITCHFIELD

105 Beekman St., New York.

Made with 1½-inch shank with thread and nut.

PERSONS addressing advertisers will kindly mention having seen their advertisement in Canadian Hardware and Metal Merchant.

Sheet zinc is quoted lower, and so is black tin, this week.

A general advance in all sizes of coil chain was made this week.

There has been another advance of 10c. for case lots of coke tinplates.

There has been a rise of 25c. per 100 lb. in lead, and it points higher.

The reported advance in petroleum has come, prices being ½c. per gal. higher.

The price of stamped metal goods, metal ceilings, shingles, etc., has been advanced about 10 per cent.

The Growing Demand
FOR OUR METALLIC
CEILINGS and WALLS

shows their practical popularity.

Their artistic beauty and durability—added to their fireproof and sanitary qualities—make them the most desirable finish obtainable.

Full information about the countless different designs we make, in our Catalogue. Have you one?



Sample Design, No. 229.

Owing to the continued advance in price of iron and steel we are compelled to withdraw all quotations. Write for our new prices.

THE METALLIC ROOFING CO., Limited
1179 King St. W., TORONTO,

ONTARIO MARKETS.

TORONTO, November 10, 1899.

HARDWARE.

BUSINESS is better than it has been at this season for many years past. The mild weather is limiting the demand for furnaces, stoves and kitchen supplies somewhat, but the demand for general hardware keeps brisk. The English makers of garden tools have raised their prices 10 per cent., and German manufacturers of carpenters' tools have made advances all along the line, the price of augers being put up fully 20 per cent. These advances have been followed by the Canadian handlers of these goods. The discount on pieced tinware has been reduced from 45 to 40 per cent., and that on sheet iron and steel ware from 50 to 45 per cent. Otherwise, prices are unchanged, with a firm feeling generally manifested.

BARBED WIRE AND STAPLES—There is no change. Galvanized staples are steady at $3.50, the price fixed last week. Barbed wire is quiet and unchanged at nominally $3 50 f.o.b. Toronto.

SMOOTH STEEL WIRE—Nothing is being done, except a little business in hay-baling wire. The base price is unchanged at $3 35 f.o.b. factory.

GALVANIZED WIRE — There is little doing. Prices are nominally unchanged. We quote: Nos. 6, 7, 8 gauge, $3.60; No. 9, $3.10; No. 10, $3.70; No. 11, $3.75; No. 12, $3.20; No. 13, $3.45; No. 14, $4.10; No. 15, $4.70; No. 16, $4.85.

WIRE NAILS—The market is stiffening. A fairly good trade is doing. The price at Toronto is still $3.30 per keg for ordinary quantities and $3.22½ for carlots.

CUT NAILS—A moderate trade is reported, with the market steady. The base price is unchanged at the $2.60 base f.o.b. Toronto, Hamilton and London.

HORSE NAILS—Trade keeps brisk, with prices firm. We quote: Standard, oval head, 50 per cent.; Acadia countersunk head, 50 and 20 per cent.

HORSESHOES — Prices are firm. An active trade is still being done. We quote f. o. b. Toronto, Hamilton, London and Guelph as follows: No. 2 and larger, light, medium and heavy iron shoes, $3.80; snow shoes, $4.05; light steel shoes, $4.10; featherweight shoes, all sizes, $5.35. No. 1 and smaller, light, medium and heavy iron shoes, $4.05 per keg; iron snow shoes, $4.30; light steel shoes, $4.35; featherweight steel shoes, all sizes, $5.35.

SCREWS—The demand continues active. Prices are firm at unchanged figures. We quote as follows: Flat head bright, 80 per cent. off the list; round head bright, 75 per cent.; flat head brass, 75 per cent.; round head brass, 67½ per cent.; flat head bronze, 67½ per cent.; round head bronze, 62½ per cent.

BOLTS—The conditions are similar to last week. There is a good movement of all lines, and especially stove bolts. Norway bolts, full square, 65 per cent.; common carriage bolts, all sizes, 50 per cent.; ditto, full square, 65 per cent.; machine bolts, all sizes, 52½ per cent.; scoach screws, 65 per cent.; sleighshoe bolt, 70 per cent.; blank bolts, 52½ per cent.; bolt ends, 62½ per cent.; nuts, square, 3½c. off; nuts, hexagon, 4c. off; tapping nuts, 60 per cent.; tire bolts, 60 and 10 per cent.; stove bolts, 60 and 10 per cent.; plough bolts, 50 per cent.

RIVETS AND BURRS — Business keeps brisk. We quote: Carriage section, wagon box, rivets, etc. (steel), 60 per cent. off the list; ditto (Norway iron), 60 per cent.; black M rivets (steel), 55 per cent.; ditto (Norway iron), 45 per cent.; iron burrs, 40 per cent.; copper rivets, 35 per cent.; bifurcated, with box, $1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

WRINGERS — The demand is moderate. Prices are unchanged. We quote as follows: "Leader," $60 per doz.; "Royal Canadian," $58; "Royal American," $48. Prices are all f.o.b. Toronto, Hamilton, Brockville, and Montreal. Discount, 45 per cent. Terms, four months, or 3 per cent. 30 days.

BUILDING PAPER—Trade is active. No change in prices. We quote: Plain building, 28c. per roll; tarred lining, 35c., according to quality; tarred roofing felt, $1.40 per 100 lb.; carpet felt, $2.75 per 100 lb.

ENAMELED WARE—The continued mild weather is affecting sales. Prices keep steady. The discounts are as follows: "Princess" ware, "Turquoise" ware, blue and white ware, and white ware, 50 per cent.; "Diamond" ware, "Famous" ware, "Premier" ware, 50 and 10 per cent.; "Granite" or "Pearl" ware, "Imperial" ware, "Crescent" ware, 50, 10 and 10 per cent.

TINWARE — Coal hods, stove boards, oil cans, etc., continue in good demand. The discount on pieced tinware has been reduced from 45 to 40 per cent.

SAP SPOUTS—Prices are firm throughout. Bronzed are steady at $10 per 1,000.

COTTON ROPE AND TWINE—The market is steady at the advance noted last week of about 12½ per cent.

STOVES AND FURNACES — Business is rather quiet, on account of the continued mild weather. Prices are firm. Discounts: Stoves and ranges, 45 and 5 per cent.; furnaces, 40 and 5 per cent.; registers, 60 per cent.

SNOW SHOVELS—The demand is active,

John Bowman Hardware & Coal Co.,

LONDON, ONT.

Our Fall stock is now complete and we can supply at the best figures, **AXES, SAWS, LANTERNS, CORDAGE, CHAIN, WINDOW GLASS, PAINTS, OILS,** etc. Our importation of **CUTLERY, SKATES, ENGLISH GUNS, SHOT SHELLS, BLACK and SMOKELESS POWDER, SHOT, WADDING,** etc., now in.

Our Motto: Prompt Shipment, Right Prices.

with prices steady at $3.10 per dozen for steel shovels.

BRIGHT WIRE GOODS—A moderate demand is noted, with the discount steady at 55 per cent.

CUTLERY—A good trade is being done. No change in quotations is noted.

SPORTING GOODS—A good movement of shooting goods is reported.

CEMENT—The demand continues as large as the manufacturers can supply. Prices are firm. We quote in barrel lots: Canadian Portland, $2.65 to $2.90; Belgian, $3 to $3.10; English do., $3.25; Canadian hydraulic cements, $1 to $1.10; calcined plaster, $1.90; asbestos cement, $2.50 per bbl.

METALS.

The demand for metals is good for this season of the year. Pig tin has declined 1c. per lb. Black sheets are 10c. and Canada plates 25 to 35c. dearer. Zinc spelter is ¼ to ½c. cheaper. Otherwise prices are steady and firm.

PIG IRON—The market keeps active at steady prices. We still quote No. 1 Hamilton at $24 f.o.b. the furnace.

BAR IRON—A good trade continues. The base price is firm at $2.35 to $2.45 per 100 lb.

GALVANIZED IRON—The demand has eased off somewhat, though prices are still advancing in foreign markets. Locally, there is no change. English iron is quoted at $5 and American at $4.75, although in case lots both can be bought at lower prices.

BLACK SHEETS—The demand is good at an advance of 10c. for all guages, which makes the price of 28 guage $3.35.

CANADA PLATES—Stocks are being steadily reduced, and now they are very light. Prices in South Wales have been raised, and, as a consequence, jobbers here have advanced their prices of dull and half-bright 25c. per box, and of bright 35c. per box. All bright is now quoted at $3.60; half-polished at $3.10, and all dull at $3 per box.

PIG TIN—Foreign markets show declines during the past week, necessitating a drop of 1c. on the local market. Prices are now 36c. per lb.

COPPER—There has been even more doing in ingot copper this week than last. The market seems to have an upward tendency, though prices are unchanged. We quote: Ingot copper, 20 to 21c. per lb., and sheet, 23 to 23½c. per lb.

IRON PIPE—The movement keeps exceedingly brisk. Prices are firm, though unchanged. We quote: Black pipe, ¼ to ⅜ inch, $3.90; ½ inch, $3.90; ¾ inch, $4.90; 1 inch, $6.40; 1¼ inch, $8.10; 1½ inch, $10.40; 2 inch, $13.85; 2½ to 6 inch, discount off the list 50 per cent. Galvanized pipe is quoted as follows: ½ inch, $6.50; ¾ inch, $8; 1 inch, $11.50; 1¼ inch, $16; 1½ inch, $20; 2 inch, $28.50.

LEAD PIPE—The demand is slackening, as is usual, at this season. Prices are firm. We quote: Ordinary pipe, 7c., and waste, 7½c. per lb. Discount, 15 per cent.

RANGE BOILERS—The demand is moderate. We quote: Galvanized, 30 gals., $8.30; 35 gal., $10; 40 gal., $11. Copper, 30 gal., $22; 35 gal., $26; 40 gal., $30; discount off copper boilers, 10 per cent.

SHEET ZINC—Prices are stiff at 8 to 8¼c. The demand is improving.

PIG LEAD—Prices continue to strengthen and the inquiry is increasing. Last week's prices, 4¾ to 5c., are still quoted.

SPELTER—A better demand is noted, though prices show a decline of ¼ to ½c., which makes the price 7 to 7¼c. per lb.

SOLDER—Trade keeps brisk and prices firm. We quote: 21 to 22c. for half-and-half; 20½ to 21½c. for refined, and 20 to 20½c. for wiping.

ANTIMONY—Keeps quiet and featureless. We quote: Cookson's, 11 to 11½c. per lb.

PAINTS AND OILS.

The movement of supplies continues exceptionally brisk for this season of the year. Linseed oil, paints and general sundries are in large demand, but turpentine and white lead are rather quieter. Turpentine is easy, and the tendency is for a decline here. Linseed oil and white lead are firm. The high ocean freight rates on heavy goods are making it difficult to get supplies of whiting into the country. Some buyers are stocking in anticipation of an advance. There is no change at present, though prices are stiff. Liquid paints are firm at $1.10. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $6.50; No. 1, $6.12½; No. 2, $5.75; No. 3, $5.37½; No. 4, $5; dry white lead in casks, $5.75.

RED LEAD—Genuine, in casks of 560 lb., $5.00; ditto, in kegs of 100 lb., $5.25 to $5.50; No. 1, in casks of 560 lb., $4.75; ditto, kegs of 100 lb., $5.

LITHARGE AND ORANGE MINERAL—Litharge, 6 to 6½c.; orange mineral, 7½ to 8½c.

WHITE ZINC—Genuine, French V.M., in casks, $7 to $7.25; Lehigh, in casks, $6.

PARIS WHITE—90c.

WHITING—55c. per 100 lb.; Gilders' whiting, 75 to 80c.

GUM SHELLAC—In cases, 20c.; in less than cases, 24c.

PLASTER PARIS—Ordinary, $1.75 per barrel; New Brunswick, $2 to $2.20 per barrel.

PUMICE STONE—Powdered, $2.50 per cwt. tion of cheap boilers, a reduction of 50c. has taken place in 30 gallon galvanized in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, $1.10 per gallon; No 1 quality, 90c. per gallon.

SEAL OIL—54c. per gallon, and yellow seal at 45c.

CASTOR OIL—East India, in cases, 8 to 8½c. per lb. and 9 to 9½c. for single tins.

LINSEED OIL—Raw, 1 to 4 barrels, 61c.; boiled, 64c.; 5 to 9 barrels, raw, 60c.; boiled, 63c.; 10 to 15 barrels, raw, 57c.; boiled, 60c.; 16 to 30 barrels, raw, 56c.; boiled, 59c. The prices for from 10 to 30

are strictly f.o.b. point of shipment, while delivery to any point in Western Ontario is included in the price of 1 to 9 barrels.

TURPENTINE—Single barrels, 75c.; two to four barrels, 74c., freight allowed ; in less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

GLASS.

The demand keeps very brisk, window, plate and ornamental all moving actively. Over 2,200 boxes are expected by two houses on a special steamer this week. Prices are firm. We quote : Star, first break in 50-foot boxes, $2.15, and in 100-foot boxes, $4 ; double diamond under 25 united inches, $6, Toronto Hamilton and London; terms 4 months or 3 per cent. 30 days.

OLD MATERIAL

Deliveries are large, but are readily absorbed, as the demand keeps brisk. Prices are unchanged, though generally firm. Dealers are paying here : Agricultural scrap, 55c. per cwt.; machinery cast, 60c. per cwt ; stove cast scrap, 45c.; No 1 wrought scrap, 55c. per 100 lb.; new light scrap copper, 12½c. per lb.; bottoms, 11c.; heavy copper, 15c.; light scrap brass, 7½c.; heavy yellow scrap brass, 10c.; heavy red scrap brass, 11c.; scrap lead, 2½c.; zinc, 3c ; scrap rubber, 4¾c.; good country mixed rags, 65 to 75c.; clean dry bones, 45 to 50c. per 100 lb.

HIDES, SKINS AND WOOL

HIDES—Both cured and green hides are in good demand at the advance noted last week. We quote : Cowhides, No. 1, 9¼c. ; No. 2, 8¼c. ; No. 3, 7¼c. Steer hides are worth ½c. more. Cured hides are worth 9¾c.

SKINS—The market is firm. A good business is being done. We quote: No. 1 veal, 8-lb. and up, 10c. per lb.; No. 2, 8c.; dekins, from 35 to 40c.; culls, 15 to 20c. Sheep and lambskins are selling at 80c.

WOOL — Combing and unwashed wools have advanced ½c. as anticipated. We quote : Clothing wool, 17c. ; combing fleece, 15½c.; unwashed, 9½ to 10c.

SEEDS.

The market is quiet. Red clover keeps firm, with dealers paying $4.50 to $5 outside. Alsike keeps easy, though prices are still about $7.50 per bush. for fanciest qualities. A fair movement of timothy is reported at $1.25 for extra choice to fancy, and 75c. to $1 for choice to fancy stock.

PETROLEUM.

Prices are firm. A brisk trade is being done. We quote : Pratt's Astral, 18c. in bulk ($1 extra for barrels); American water white, 17¾c. in barrels ; Photogene, 17¼c.; Sarnia water white, 16¾c. in barrels ; Sarnia prime white, 15½c. in barrels.

COAL.

Prices are firm and unchanged. A good movement is reported. We quote anthracite for November delivery at Buffalo and bridges : Egg, stove, and nut, $4.75 per gross ton, or $4.24 per net ton ; grate, $4.50 per gross ton or $4.01 per net ton.

MARKET NOTES.

English-made garden tools are 10 per cent. dearer.

Black sheets have advanced 10c., bringing 28 guage to $3.35.

Canada plates are 25 to 35c. dearer. Half bright are now quoted at $3.10.

German-made carpenters' tools have all been advanced, the rise in augers being 20 per cent.

Pig tin has declined 1c. per lb., and is now quoted at 36c. Zinc spelter is ¼ to ½c. cheaper.

The discount on pieced tinware has been reduced from 45 to 40 per cent., and that on sheet iron and steel ware from 50 to 45 per cent.

About $10,000 damage was done to The Sun Oil Company's refinery at Hamilton last Friday night. There was $2,000 insurance.

A. S. Williams & Co., general merchants, Eagle City, B.C., have sold their business to The British Columbia Mercantile and Mining Syndicate, Cascade, B.C.

PUTTY FOR PARQUET FLOORS.

In a reply to a question on the subject, The Painters Magazine offers the following : "The recipe for putty referred to is a thorough mixture of paper, preferably blotting paper, which has been soaked in boiling hot water until pulp is formed, which is then mixed with glue, also dissolved in water. To this, bolted whiting is added in sufficient quantity to make a fairly stiff putty by kneading the mass, which is pressed into the cracks and smoothed off with the spatula or putty knife. However, this putty is recommended for large cracks only, because unshrinkable, but is scarcely adapted for shallow cracks in a parquet floor. For this purpose we would recommend one part white lead in oil, mixed with two or three parts of bolted whiting and enough coach varnish to make a stiff paste. If the work must be hastened, coach japan may be substituted for part of the coach varnish. The putty will resist moisture, and when dry and hard may be sandpapered or rubbed, and it may be tinted with color, if required, to match the color of the wood."

THE LUXFER PRISM CO., LIMITED.

The Luxfer Prism Co., Limited, Toronto, have finished the fitting of their new offices at 98 to 100 King street west. In this building, which is a large one, their prisms have been installed, and the best testimonial to their efficiency is the brightness which permeates the whole building on even the darkest day. Luxfer Prisms have become a feature of building construction at the present day, and they are being used in many of the large buildings now in course of erection in the cites of Canada and the United States. The business of the company is being widely extended and the prisms are becoming more popular.

76,800 Daily Production
5 Factories
5 Brands

For Sale all over the world.



16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of America.

NICHOLSON FILE CO., Providence, R.I., U.S.A.

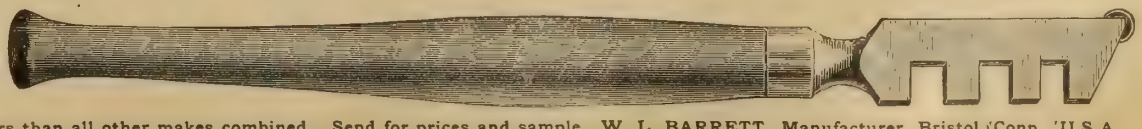
BRITISH PLATE GLASS COMPANY, Limited. Established 1773.

Manufacturers of **Polished, Silvered, Bevelled Chequered, and Rough Plate Glass.** Also of a durable, highly-polished material called **"MARBLETTE,"** suitable for Advertising Tablets, Signs, Facias, Direction Plates, Clock Faces, Mural Tablets, Tombstones, etc. This is supplied plain, embossed, or with incised gilt letters. **Benders, Embossers, Brilliant Cutters, etc., etc.** Estimates and Designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow 12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glass, St. Helens." Telephone No. 68 St Helens.

Barrett's Glass Cutters Standard

Barrett's Practical Glass Cutters are the standard the world over.



Sold by more Hardware Dealers than all other makes combined. Send for prices and sample. W. L. BARRETT, Manufacturer, Bristol, Conn., U.S.A.

MANITOBA MARKETS.

WINNIPEG, November 7, 1899.

MARKET without any change of any kind. Business is very active, so much so that some houses have been obliged to recall their travelers, owing to inability to fill orders taken. Prices are as follows :

Barbed wire, 100 lb	$3 75
Plain twist	3 75
Staples	4 25
Oiled annealed wire 10	4 02
" 11	4 09
" 12	4 15
" 13	4 30
" 14	4 42
" 15	4 55
Wire nails, 30 to 60 dy, keg	3 80
" 16 and 20	3 85
" 10	3 90
" 8	3 95
" 6	4 10
" 4	4 15
" 3	4 20
Cut nails, 30 to 60 dy.	3 15
" 20 to 40	3 20
" 10 to 16	3 25
" 8	3 30
" 6	3 35
" 4	3 65
" 3	3 90
" 3 fine	4 20
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No 1	4 70
No. 2 and larger	4 45
Snow shoes, No. 0 to No. 1	4 95
No. 2 and larger	4 70
Steel, No. 0 to No. 1	5 00
No. 2 and larger	4 75
Bar and band iron, $2.90 basis.	
Swedish iron, $5 basis.	
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 20 gauge, 100 lb.	3 50
20 to 26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 gauge	4 25
18 to 22 gauge	4 50
24 gauge	4 75
26 gauge	5 00
28 gauge	5 25
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 55
26 gauge	8 80
28 gauge	8 00
Tinplate, IC charcoal, 20 x 28, box	10 50
" IX "	12 50
" IXX "	14 50
Ingot tin	38
Canada plate, 18 x 21 and 18 x 24	3 35
Sheet zinc, cask lots, 100 lb	9 00
Broken lots	9 50
Pig lead, 100 lb	4 50
Wrought pipe, black up to 2 inch	50 p.c.
" Over 2 inch	45 p.c.
Rope, sisal, 7-16 and larger	13 50
" ⅜	14 00
" ¼ and 5-16	14 50
Manila, 7-16 and larger	16 00
" ⅜	16 50
" ¼ and 5-16	17 00
Solder	23
Cotton rope, all sizes, lb.	16
Axes, per box	$6.00 to 8 00
Screws, flat head, iron, bright 75 and	10 p.c.
Round " "	70 p.c.
Flat " brass	70 p.c.
Round " " 60 and	5 p.c.
Bolts, carriage 5-16 and smaller	47½ p.c.
⅜ and larger	42½ p.c.
Machine	47½ p.c.
Tire 50 and	10 p.c.
Sleigh shoe	65 p.c.
Rivets, iron	37½ p.c.
Copper, No. 8, lb.	33⅓ c.
Spades and shovels	40 p.c.
Harvest tools 50, 10 and	5 p.c.
Axe handles, turned, s. g. hickory, doz.	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 65
No. 1	1 25
Linseed oil, raw, per gal	62
" boiled "	65
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	40 p.c.
C.F. pistol	10 p.c.
C.F. military	Net.
Loaded shells, Robin Hood, M	$20 00
Eley's soft, 12 gauge	15 00
chilled, 12 guage	16 50
soft, 10 guage	20 00
chilled, 10 guage	21 00
American, M	16 25
Shot, Ordinary, per 100 lb	5 25
Chilled	5 75
Powder, F.F., keg	4 75
F.F.G.	5 00
Robin Hood	10 00
Tinware, pressed, retinned 70 and	2½ p.c.
" " plain 70 and	15 p.c.
Graniteware, according to quality	60 p.c.
Turpentine, by barrel	81c.
Less than barrel	86c.

GOOD ADVICE.

Be especially reverent in your treatment of the customer of slender purse, says The Simcoe, Ont., Reformer. A multi-millionaire requires only one-tenth the respect due to the man or woman who is bound by the law of necessity to buy within a fixed limit. A readiness to show goods within that limit and a tactful avoidance of anything to wound or make forced economy conspicuous meets with instant appreciation, while attempts to force the sale of goods "just a trifle" above the price named by them is resented—and remembered.

A GOOD TRAVELER.

A good traveler should be, says The Scottish Trader : 1. A good man, but not prudish, and should make a firm resolution never to discuss religion, politics or other people. 2. He should dress quietly, speak quietly, act quietly and be a good listener. 3. He should do all he is paid to do, and as much more as he is able during each day ; he is entitled to recreation in the evening. 4. He must be honest, truthful and sincere. 5. He must never overstock a customer, and should suggest such business as he knows will bring repeat orders, but he should on no account dictate, but with due deference should take his instructions and carry them out (with the assistance of his house) to the best of his ability and to the satisfaction of his clients. 6. He should be punctual in his appointments, and always remember that time is money to himself, his client and his house.

A good proof of industrial activity is given in The Ontario Gazette of November 4, which shows that companies with a total capitalization of $2,187,000 have been incorporated, and other companies have been empowered to increase their capital $750,000 during the past week.



ANXIOUS TO LEARN.

"Pluck is the secret of success on the Stock Exchange."

"Well, I'll give you $10,000 if you'll teach me your method of plucking."

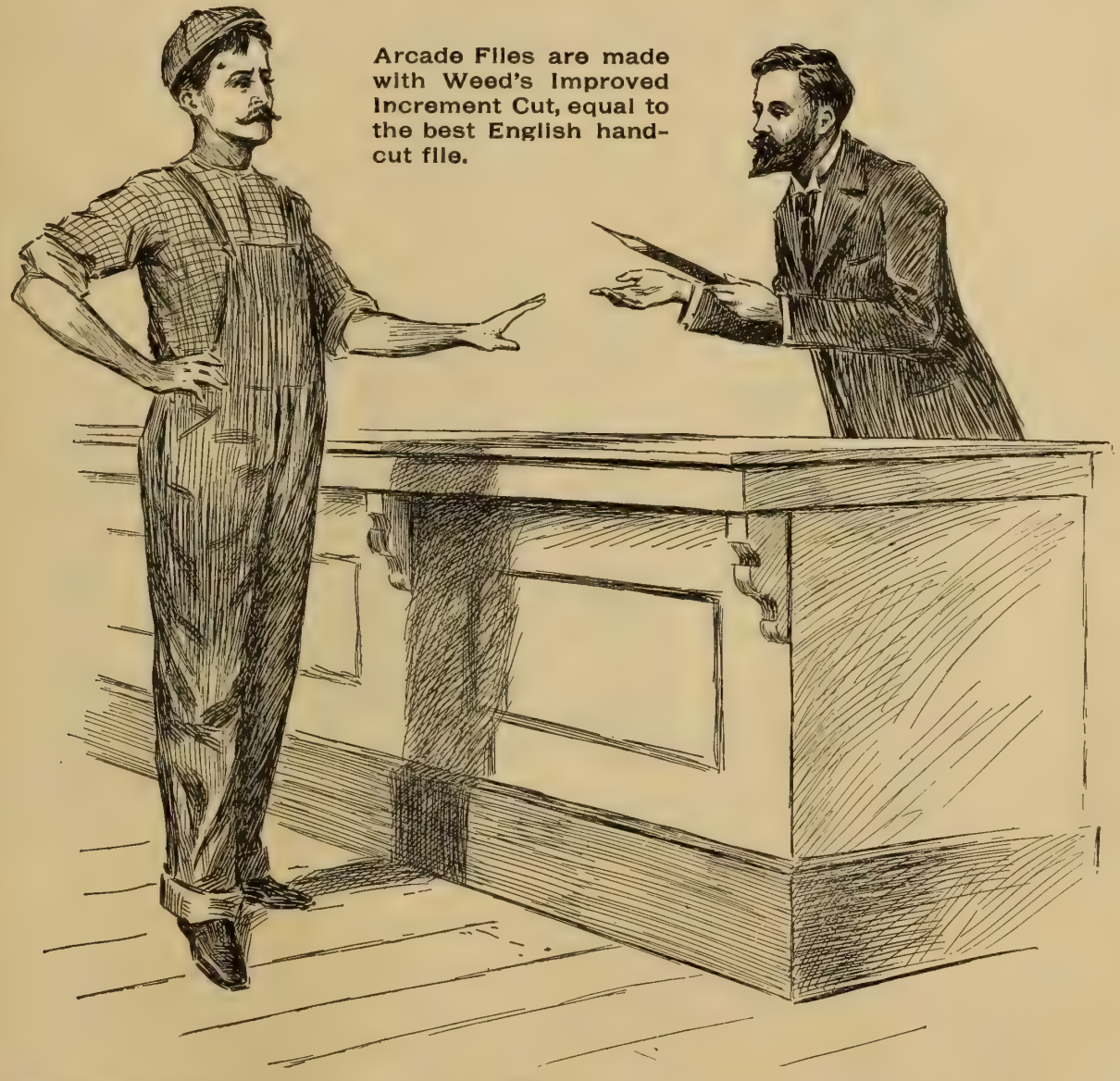
—Montreal Life.

The WORLD'S GREATEST FILE WORKS

ESTABLISHED 1842.

There is no other file "just as good."

THE ARCADE IS THE BEST



Arcade Files are made with Weed's Improved Increment Cut, equal to the best English hand-cut file.

"I want an ARCADE file."
"We are all out of ARCADE files. Try this; it is just as good."
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THE ARCADE FILE WORKS

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SAMUEL W. ALLERTON,
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Works: ANDERSON, IND.
COURTLANDT C. CLARKE,
Sec. and Treas.

CHICAGO:
118 Lake Street.
ALFRED WEED,
Vice-President and Gen'l Mgr.

HEATING AND PLUMBING

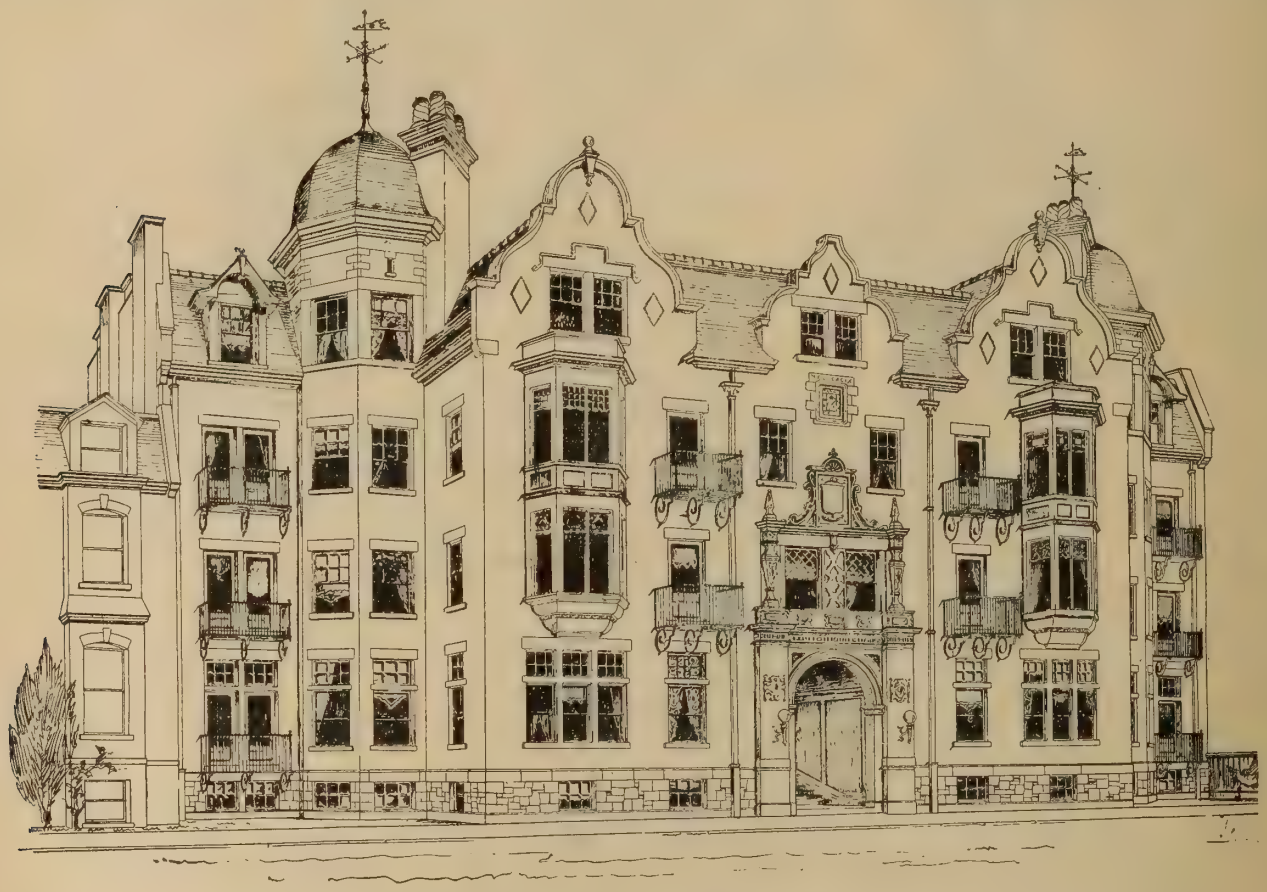
THE "MARLBOROUGH" APARTMENT HOUSE.

THE "Marlborough" apartment house, now under construction in Montreal, which is creating so much interest, will be completed by May 1. It is situated on Milton street, a few yards east of University street.

The style of architecture is Elizabethan, characterized chiefly by its graceful towers and free, but effective, ornament. The building is three storeys high, except in the front, which is carried up another storey to provide a number of suites of artists' studios.

The facade is carried out in red pressed brick, set off by yellow sandstone trimmings. The main entrance, facing Milton street, is elaborately treated and finished in sandstone, effectively carved, and has handsome wrought iron lamps on either side. A broad flight of marble steps in the main vestibule leads up to a spacious and well-lighted entrance hall, paved with marble mosaic and completely finished in quartered oak. On the left is the waiting-room, from which communication can be had to each suite by means of speaking tubes. Opposite the waiting room is the janitor's office, where the telephone for the use of tenants will be placed.

The building is so planned that every room has direct light and air, the use of light wells of any description being entirely done away with. The three main staircases will be completely fireproof, being carried out in iron and marble, encased in brick walls, with all the landings finished in mosaic.



THE "MARLBOROUGH" APARTMENT HOUSE.

The building contains 27 suites of apartments, as follows: 6 suites of 9 rooms each, including kitchen; 6 suites of 7 rooms; 6 suites of 6 rooms; 5 bachelor suites, comprising sitting-room, bedroom and bath-room. On either side of the main entrance on the ground floor are 2 suites suitable for doctors' offices, and on the top floor facing Milton street are the artists' suites and studios before spoken of.

In the centre of the building is a large court, 60 feet long by 30 feet wide, which will be laid out in grass with a fountain in the centre. The floors of all the halls and principal rooms in each suite will be of hardwood, while the floors of all the public halls throughout are paved with mosaic. The drawing-rooms and sitting-rooms of all suites have open fireplaces with tiled facings and hearths.

Each suite is well provided with clothes-closets, in addition to linen-closets and store-closets. It is expected that the larders will be fitted up with a system of cold storage, operated by the ammonia process supplied from the basement. The heating, plumbing and ventilation of the building are up to date in every respect. The bath-rooms of each suite are fitted up with enameled baths and marble basins, the hot water being supplied from the boilers in the basement.

The rooms of all suites are ventilated by means of ventilating shafts. The building is heated by hot water and lighted by electricity. Dust shutes from each kitchen will prove a great convenience.

In addition to other modern features, each suite is provided with a balcony, and store-rooms in the basement.

Such are a few of the attractions and advantages of the latest addition to Montreal's apartment houses. Taylor & Gordon

are the architects, and A. F. Gault the owner. Stanley H. McDowell, 21 St. Helen street, has charge of the enterprise in Mr. Gault's behalf.

PLUMBING AND HEATING NOTES.

Belanger & Kelly, plumbers, Montreal, have dissolved.

Caron & Pare, plumbers, Windsor Mills, Que., have dissolved.

McManus, Low & McManus, contractors, Sydney, N.S., have dissolved.

Partnership has been registered by Delisle & Jolicœur, contractors, St. Henri de Montreal.

The Bieling Furnitnre Co., of Ontario, Limited, Walkerton, Ont., are erecting an addition 105 feet long, 20 feet wide, and 33 feet high.

Last week Petrolea, Ont., passed a by-law granting a 10-year franchise to The Carman Gas Co., for the right to put down wells and to sell gas in that town.

W. G. Malcolmson, architect, Detroit, is preparing plans for a first-class business block in Ridgetown, Ont. It will be two storeys high, and have 114 feet frontage.

PLUMBING AND HEATING CONTRACTS.

Contracts for the new Montreal Daily Star building have been awarded as follows: Peter Lyall & Sons, mason, brick and terra cotta fire proofing; Dominion Bridge Co., steel contruction; J. Atchison, plumbing and heating. Mr. A. F. Dunlop, R.C.A., is the architect.

A NEW WATERWORKS FIRM.

T. J. and G. E. Drummond, and J. T. McCall, Montreal, C. E. Gudewill, New York, and Frank Thompson, Sherbrooke, Que., have been incorporated under the style of The Lennoxville Waterworks, Limited, to buy, construct, or sell waterworks systems. Their capital is placed at $50,000, and their headquarters Montreal.

HAVE AN OFFICE IN MONTREAL.

The Apollo Iron and Steel Company, of Pittsburg, Pa., manufacturers of the popular brand of galvanized sheets under the trade mark "Apollo Best Bloom," are pleased to advise their Canadian friends of having established an office at 26 St. Sulpice street, Montreal, where B. & S. H. Thompson & Company will look after their interests in Canada, and to whom all inquiries relative to their products should be sent.

SUCCESSFUL MEN

have learned their business "from A to Z." Your future depends upon your ambition. We have prepared thousands, who studied "between times" to secure enviable positions through



EDUCATION BY MAIL

in Electrical, Civil, Mining, Steam and Mechanical Engineering; Metallurgy, Journalism, Machine Design Mechanical Drawing, Art, Architecture, English Branches, Stenography. Low price; easy terms. Most thorough course of any correspondence school in the world.

Sent free to those who enroll now, a complete Drawing Outfit worth $11.10.

THE UNITED CORRESPONDENCE SCHOOLS,
154-158 Fifth Avenue, New York.
Write at once for catalogue No. 108.

The Syracuse Smelting Works
ARE MANUFACTURERS OF
Plumbers' and Tinsmiths' Solder
of highest quality. Highest market prices paid for old Brass and Copper.
SYRACUSE SMELTING WORKS
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BUSINESS NEWS

of any kind that is of value to business men supplied by our Bureau. We can give you market quotations from any town in Canada, reports from the city markets, stock quotations, etc. You can get commercial news from any Canadian paper through us.

Write us, giving us particulars of what you want and where you want it from, and we will quote you prices by return.

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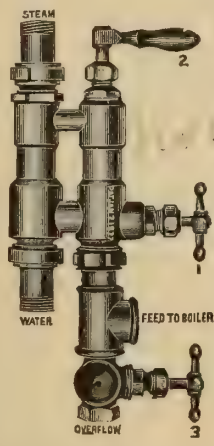
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FOR SALE.

A NEW MARLIN RIFLE

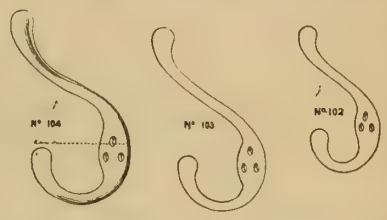
Never been used. Just the Rifle for practice. Price $30. Will take $20.
19 Board of Trade, Montreal

THE . . .
HANCOCK INSPIRATOR



This old established machine is proving itself universally the best Boiler Feeder for all uses.
Over 2,000,000 Sold.
Is a double tube machine. Has stronger working power than single tube machines.
The genuine manufactured only by
THE
James Morrison Brass Mfg. Co., Limited,
TORONTO

SAVE MONEY
by buying
Gunn's Patent Brassic Goods



Equal to solid brass in every particular. Cost less money—look and wear as well. Sales increasing all the time.

THE GUNN CASTOR CO., Limited
KNOX HENRY,
Canadian Agent, 220½ Board of Trade, MONTREAL.

NEW INVENTIONS.

Below will be found a list of new patents recently granted by the Canadian and United States Governments, the patents being secured through Marion & Marion, solicitors of patents, New York Life building, Montreal, and reported by them for the benefit of our readers:

UNITED STATES.

632060, F. Ponton and P. Grenier, Marieville, Que., drain ditching plow; 633244, L. V. Labelle, St. Jacques l'achigan, Que., fertilizer distributor; 633204, C. M. Maynard and E. Frederick, Campbellford, Ont., cycle propelling mechanism; 633926, A. Tremblay, Arcadia, Oregon, rail joint; 633800, H. E. Casgrain, Quebec, Que., carburettor; 633981, O. I. Bergeron, St. Gregoire, Que., clothespin.

CANADA.

64555, J. E. Janelle, St. Phillippe de Laprairie, Que., device for protecting trees from caterpillars; 64563, Allan H. Wattles, Oneonta, N.Y., nut; 64589, Joseph Lemire, Drummondville, Que., stump extractor.

D. H. Winter has opened a hardware store in Chatham, Ont.

Toronto Foundry Co.
Manufacturers of SOIL PIPE, FITTINGS, SINKS, BOILER STANDS.
Nos. 146-148-150 Niagara Street, TORONTO
The only Exclusive Manufacturers of Soil Pipe and Soil Pipe Fittings in Canada. . . . . .
All goods stamped T. F. Co. are warranted

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

THE CROW'S NEST TRADING CO., general merchants, Fernie, B. C., have been granted an extension of one year from October 1.

A. A. Black, general merchant, Walkerton, Ont., is offering to compromise.

Sylvia Dethoras, general merchant, Plessisville, Que., is offering 25c. on the doliar.

M. V. Morrill, general merchant, Florence, Ont., has assigned to Isaac Unsworth.

The Stacey Hardware and Manufacturing Co., St. Thomas, Ont., has assigned to John Baird.

A meeting of the creditors of Thomas Fitzpatrick, blacksmith, Strathroy, Ont., has been held.

Mrs. L. Leroux, general merchant, Cascade Point, Que., has compromised at 50c. on the dollar.

Geo. Lefaivre has been appointed curator of J. Raymond & Co., general merchants, St. Anne de Beaupre, Que.

Arthur Dussault, general merchant, L'Islet, Que., is dead, and the estate has compromised at 75c. on the dollar.

Wilfrid Granger, hardware dealer, Montreal, has assigned on demand of The Baylis Manufacturing Co. The liabilities are about $1,500. The principal creditors are: A. Ramsay & Son, $521; Caverhill, Learmont & Co., $239; The Baylis Manufacturing Co., $255; The Sherwin-Williams Co., $68; P. Granger, $114; H. O. Edy, $80; The Thomas Davidson Manufacturing Co., Limited, $255.

PARTNERSHIPS FORMED AND DISSOLVED.

Parson Bros., carriagemakers, Moe's River, Que., have dissolved.

Cleland & Baresdale, blacksmiths, Stratford, Ont., have dissolved; each continuing.

Terrill & McNichol, dealers in agricultural implements, Sherbrooke, Que., have dissolved.

McEwan & Tidgate, dealers in implements, Qu'Appelle, Assa., have dissolved. J. W. Tidgate & Co. continue.

James and Percy Simmonds have registered partnership under the style of James Simmonds & Co., hardware dealers, Dartmouth, N.S.

Lafontaine & Poirier, general merchants, Drummondville, Que., have dissolved, and partnership has been registered by Adolphe and Joseph Lafontaine under the style of Adolphe Lafontaine & Cie.

SALES MADE AND PENDING.

Miss M. Finley, general merchant, Fort Coulonge, Que., has sold out.

The stock of W. H. Love, general merchant, Roland, Man., has been sold.

The stock of M. Searles, general merchant, Frankford, Ont., has been sold.

Daniel Osborne, blacksmith, Picton, Ont., is advertising his business for sale.

The assets of S. B. Annable, general merchant, Russell, Ont., have been sold.

T. C. Forbes, general merchant, Rathwell, Man., has opened a store at St. Claude.

Smith & Co., general merchants, Port Rowan, Ont., are advertising their business for sale.

The assets of J. B. Domville, general merchant, St. Stanislas (Champlain county), Que., are to be sold.

The stock of E. Raymond, general merchant, St. Anne de Beaupre, Que., has been sold at 65½c. on the dollar.

The stock of J. H. Binns, hardware dealer, Killarney, Man., has been sold to J. P. Shannon, of Glenboro'.

The assets of M. A. Menard & Co., general merchants, Buckingham, Que., are to be sold by the curator, James Martin.

CHANGES.

E. J. Cobeau, general merchant, Camilla, Ont, has been succeeded by A. Soper.

P. W. Tully, general merchant, Marquette, Man., has sold out to Mrs. McPherson.

T. J. Trapp & Co., hardware dealers, etc., New Westminster, have been incorporated.

Campbell Bros., hardware dealers, Winnipeg, have been succeeded by Anderson & Thompson.

Octave Guertin, wife of Jos. P. Prefontaine, has registered as proprietress of J. P. Prefontaine & Cie., merchants, Montreal.

W. T. Fleming, general merchant and baker, Shannonville, Ont., has sold his bakery to H. L. Loroy, and is removing his general business to Melrose, Ont.

FIRES.

W. P. Kilgour, general merchant, Verner, Ont., has been burned out.

Barr & Ruskin, general merchants, Argenta, B.C., are reported burned out.

DEATHS.

James Kaiser, general merchant, Conquerall Bank, N.S., is dead.

PAINTING IN HALIFAX.

In an interview published by the Halifax Herald last week, an English house-painter stated that the prices paid for painting in that city were so low that the class of work done and most of the materials used there were much inferior to the work done and the materials used in England.

If the statements of this critic be correct, Halifax householders would do well to pay more and have first class paint put properly on their houses by competent painters, as to use poor paint is as bad as "saving at the spigot and wasting at the bunghole."

BROOM CORN RISING.

IN the last four or five weeks the price of broom corn has advanced $50 a ton and is still going up. Factories are not well supplied with stock, and the speculators and a few manufacturers have the market in their control. This rapid advance, of course, will affect every household.

The country around Arcola known as the central Illinois broom corn district, produces three-fourths of all the broom corn of the world. Early last month, when the harvest began, farmers felt that if they could get $60 a ton they would be doing well, as it costs about $40 a ton to produce broom corn. Manipulators of the market realized that little old corn was held over from last season and that manufacturers must depend upon the new crop for broom stock.

Hardly had the cutting began when the broom corn districts were full of buyers. Brokers contracted for many farmers' crops before they were harvested. The highest price at that time was $60. Towards the close of September a few who had nice brush got $70. Then the price ran up to $80 a ton.

The last ten days in the central Illinois district have been the most exciting ever known during a broom corn season. Prices of corn have gone up steadily until now the farmers, or a portion of them, are holding their stock for $125 a ton.

The broom corn handlers of Chicago estimate that nine-tenths of all the corn is now in the hands of speculators and manufacturers. It is believed that before the first of the year the price will be $150 a ton.

Factories throughout the country are beginning to put up the price of brooms. During the week an advance of 10 per cent. has been made by some factories, and dealers here say that another 10 per cent. is likely to be made.

All this, of course, has its effect on the prices of the finished article, the brooms.—Chicago Grocer.

REBUILDING RIDGETOWN.

Thomas Craig, general merchant, and H. D. Smith, Ridgetown, Ont., have purchased a large lot of land in the district lately burned on Main street east, Ridgetown, and intend erecting thereon a two-storey brick business block with a frontage of 114 feet. It will be divided into four stores. One of these, to be occupied by Mr. Craig, will have 45 feet front. W. G. Malcolmson, a Detroit architect, is preparing plans for stores, first-class and modern in every particular.

Howard & Jackson have started as carriagemakers and blacksmiths in Pembroke, Ont.

TRADE WITH CANADA GROWING.

The Sheffield correspondent of Ironmonger, London, writes that paper : "The position of the heavy steel works is unchanged. As a rule, the orders on hand for marine and engineering castings and forgings will take 12 months to execute. The demand for all classes of steel for home and export is well maintained, and prices of malleable castings continue to advance. Manufacturers in many trades complain of inconvenience and loss in consequence of delays in obtaining material, which in some cases are seriously retarding production. Contracts for raw material placed when prices were low, are now running out, and those who are compelled to buy at the present inflated quotations are naturally proceeding very cautiously, and do not care to push business, for the advances obtained on finished goods do not cover the increased costs of material. The expansion of trade with Canada and Australasia continues, and many orders from these and other markets which are now coming to Sheffield are explained by the inability of the United States to supply all their customers. Trade with South Africa is necessarily at a standstill, but until a week ago steel for mining purposes was being shipped to that country. Confidence is growing as to the continuance of iron prices at the present level, and some people fear further advances.

THE SYDNEY BOOM.

The Dominion Iron and Steel Co. are proceeding with the construction of their immense works in Sydney, Cape Breton, with the rapidity that might be expected from the magnitude of the enterprise. For a mile and three-quarters along the waterfront the ground is torn up, and excavation and rock-work is going on. Nearly 2,000 men are employed day and night, and the company are seeking 1,000 more. From 500 to 600 barrels of cement are being used daily, and more would be consumed if it could be secured.

Between 40 and 50 steamers were counted at the piers of the company one day recently taking on coal or delivering lumber. The last fortnightly pay-roll of the company was $30,000.

The business and building activity in Sydney is naturally very brisk, as a result of the employment of so many men by The Dominion Steel and Iron Co., and many new stores have been opened in the past few months.

One of the directors of the company states that fully 1,000 houses for workmen will be under construction next spring. A large hotel, with over 150 rooms will be built next summer. It will be modern in every respect.

COW TIES

Greening's Patent

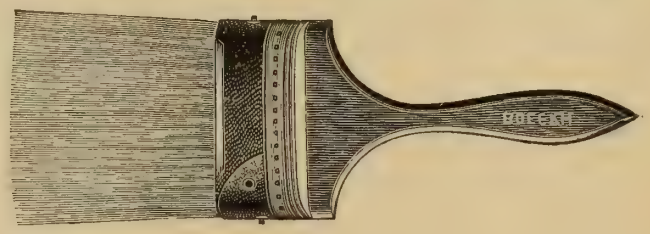
We make the following :

Open Ring, six sizes.
Small Closed Ring, six sizes.
Large Closed Ring, six sizes.
Three Chain, six sizes.
Greening's Special Tie with Stall Fixtures, five sizes.

Our ties have stood the test for years and are undoubtedly the best in the market. Send for new price list. For sale by all jobbers.

The B. GREENING WIRE CO., Limited

HAMILTON and MONTREAL.



A Good Display

OF

BOECKHS' BRUSHES

is all that is necessary to insure their sale. Let your customers see them and they will sell themselves. They have the largest sale because of their

ABSOLUTE SUPERIORITY.

BOECKH, BROS. TRADE MARK & COMPANY.

80 York Street, TORONTO

HUTCHISON, SHURLY & DERRETT

DOVERCOURT TWINE MILLS.

1078 BLOOR STREET WEST, TORONTO.

Having equipped our Factory with entirely new machinery, we are prepared to furnish the best made goods in the market at closest prices and make prompt shipments.

Hand Laid Cotton Rope and Clothes Lines,
Cotton and Russian Hemp Plough Lines, plain and colored.
Cotton and Linen Fish Lines, laid and braided.
Netted Hammocks, white and colored, Tennis and Fly Nets.
Skipping Ropes, Jute, Hemp and Flax Twines.

LARGE STEEL-RAIL ORDERS.

A STRIKING illustration of the prosperous condition governing the iron and steel trade at the present time was the announcement made this week that the leading steel-rail producers have booked orders for 1,500,000 tons of steel rails for delivery in 1900, the buyers being the principal railroad systems of the country. Not all of this immense tonnage, of course, was actually dealt for and concluded this week, some of it, in fact, as in the case of leading roads, having been announced some time ago. The price paid for the bulk of the business is understood to have been $33 per ton, at which rate, the railroads were notified by the mills, the tonnage would be booked. Following this announcement quotations were advanced variously, according to the size of the order, the lowest quotation being $35 and the highest $40, the latter for small lots.

Aside from its being an index of the present state of the iron and allied trades, this announcement takes on an added importance in the light of possible future events in this trade. The yearly placings of rail orders are usually regarded as indicative of several things. A year ago, it may be recalled, the orders of leading railroads were made at exceedingly low prices when studied by the light of present quotations. Against the present quotation of $35, it is to be recalled that last year at this time only $18 was asked. There is here shown to be practically a doubling of cost to the railroads, many of which, it it stated, this year were, owing to having booked their orders at low rates last year, able to exchange their old rails for the new ones at a profit. In other words, old rails are now selling considerably higher than new ones were one short year ago. In view of this immense advance in cost, the present liberal bookings are naturally regarded as indicative not only of prosperous times among the railroads, but also of the confidence of the railroad managers in the maintenance of present quotations throughout the coming year. It is not surprising to learn that other branches of the iron trade have felt the influence of the booking of this business for next year's account. Pig iron producers were, it was generally understood, pretty well supplied with orders for the first half of next year, but this week has witnessed considerable new business reported, some of it probably covering against just such transactions as described. Some very heavy booking, at prices well up to the market, have been reported at the West this week. The iron ore market, too, has not been lost sight of, and it is safe to say that the leading iron ore producers will not repeat the mistake of last season as to prices, a rate nearly double that paid last year, in fact, being talked of.

Just what this large rail order means to the iron industry as a whole will appear clearer when it is recalled that the total production of all kinds of rails in this country last year was 1,981,241 tons, a gain of 20 per cent. over 1896. The heaviest recorded production was in 1887, namely, 2,139,640 gross tons. The capacity of the country's mills at present is declared to be not much in excess of this amount, so that with 1,500,000 tons already booked, fully two-thirds of their next year's rail capacity is engaged, no mention being made of bookings for delivery this year, which must naturally be carried over to 1900 because of the backwardness of deliveries. Furthermore, as the total production of all kinds of steel in 1898 was about 9,000,000 tons, the tonnage booked in rails alone, with two months of this year yet to elapse, will probably easily amount to one sixth of the country's production.—Bradstreet's.

COMPANIES INCORPORATED.

The Ontario Gazette, of November 4, gives notice of the incorporation of the following companies :

The McGann-Fawke Lumber Co.; capital, $300,000.

The Barrie Wicker Work Manufacturing Co.; capital, $10,000.

The Finch Wood Preservative and Paint Co.; capital, $20,000.

The Manufacturers' Agencies and Supply Co.; capital, $40,000 ; head office, Toronto.

The J. O. 41 Gold Mining Co., of Rainy River, is authorized to double its present capital, $500,000.

The Light, Heat and Power Co., of Lindsay, is authorized to increase its capital from $70,000 to $125,000.

The Canada Corundum Co. ; capital, $250,000. The provisional directors are : J. N. Shenstone, of Toronto ; B. A. C. Craig, of Toronto, and Lloyd Harris, of Brantford.

The British Colonial Mining and Development Co., of Ontario ; capital, $500,000 ; head office, Millbridge, in Hastings County, and among the promoters is C. E. Turner, of Ottawa, Consul-General of the United States.

The McBurney-Beatty Co. has been incorporated with a capital of $40,000, "to buy, sell, manufacture and deal in bicycles, horseless vehicles and component parts of the same," the provisional directors of the company to be James McBurney, James Anderson Coulter and Rebecca Matilda Morrow.

AMONG TORONTO RETAILERS.

Seasonable Window Displays.

There is nothing that adds to the effectiveness of a window display like seasonableness. To sell goods out of season, it is always necessary to make a cut in price. But, in season, a good window is always a strong advertisement, one that appeals to all.

Hardwaremen generally acknowledge this fact, and so, frequently, the same goods are shown in the majority of hardware stores at once.

For instance, at the present moment, sporting goods are seen in nearly every store. Some excellent windows are made of them.

The martial feeling created in Toronto by the stirring war news from South Africa and the departure of the Canadian volunteers for that part of the Empire, helps to draw attention to such displays as those made by several of the stores in Toronto.

Rice Lewis & Son, Limited, have their corner window draped with large British flags. In the centre three guns, with bayonets fixed, are stacked. Attached to the drapery of flags are shooting jackets, cartridge vests, etc. On the flags is an immense variety of rifles, decoy ducks, ammunition, hunting knives, hatchets, dog collars and muzzles and other sporting goods.

Chas. Stark & Co., Yonge street, have a round table, about three feet, covered with the national colors, red, white and blue. On the table a great variety of revolvers, hunting and pocket knives, gun tools, etc., are shown. At the back, guns and rifles were displayed, while at the front a good assortment of ammunition was piled about 18 inches high. The display was a good one in itself, but the use of the national colors greatly increased its effectiveness, because of the strongly national feeling everywhere shown.

TO INCREASE THEIR IRON OUTPUT.

A. E. Carpenter, president of the Hamilton Blast Furnace Co., states that when additions, which are to be made at once, are completed, these furnaces will have a capacity of 225 to 250 tons daily. When the furnaces now in operation were built they were of 150 tons daily capacity, but the demand was so small that they were bricked in so as to reduce their capacity to 100 tons a day. Recently the scarcity of iron in the United States, coupled with the greatly enhanced demand for it, both there and in Canada, and the addition of the steel plant now in process of erection, which will require about 50 tons a day, encouraged the company to increase its output materially.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, **Montreal.**

Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates, Galvanized Sheets, Imitation Russia Sheets, Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.



VanTuyl & Fairbank

Petrolia, Ont.

Headquarters for . .

Oil and Artesian Well Pumps, Casing, Tubing Fittings, Drilling Tools, Tables, etc.

R. C. LeVESCONTE

Barrister, Solicitor, Notary, Etc.

THE McKINNON BUILDING
Cor. Jordan and Melinda Streets

. . . TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.

No. 3 Patent Well.

"Oil wont spill if upset."



Manufactured by

E. T. WRIGHT & CO.

Hamilton, Canada.

Send for New Catalogue.

TRADE MARK J REGISTERED

"JARDINE" TIRE UPSETTERS WILL UPSET TIRES

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.
HESPELER, ONT.

EVERY ORIGINAL TIN HAS THIS IMPRESSION NOBLES & HOARE LONDON ENGLAND ON A WHITE CAPSULE

Nobles & Hoare.

CORNWALL ROAD STAMFORD STREET.

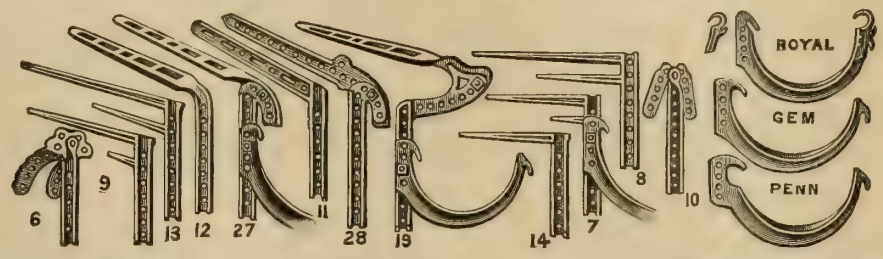
LONDON, ENG.

Manufacturers of

HIGH-CLASS VARNISHES ONLY

Which can be obtained direct from the works or from the principal Color Dealers in Canada.

BERGER'S GUTTER HANGERS



The very best made. Strong and easy to put up and adjust. By proper selection of the shank the requirements for any style eave will be met. Other kinds of Hangers, Pipe Hooks and Fasteners, Gutter and Pipe, and a general line of

Tinners' Hardware and Roofers' Supplies.

BERGER BROS. CO., - - - - - - PHILADELPHIA, U.S.A.

HARRINGTON & RICHARDSON ARMS CO.

WORCESTER, MASS., U. S. A.

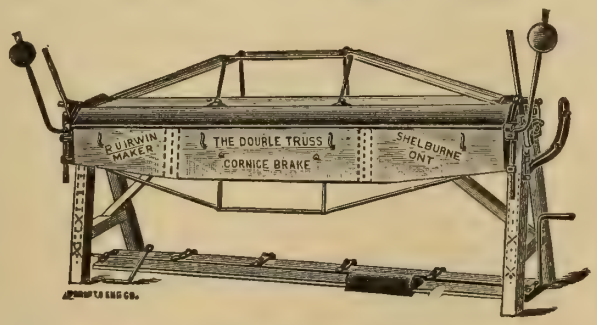


Makers of

High Grade REVOLVERS

SEND FOR COMPLETE CATALOGUE.

For sale by Sporting Goods and Hardware Stores almost everywhere.



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

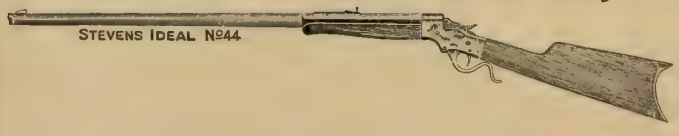
Price, $50

Very handy beader attachment, $10 extra if required.

Send for circulars and testimonials to

The Double Truss Cornice Brake Co. SHELBURNE, ONT.

STEVENS IDEAL, NO. 44



This is as reliable and accurate a rifle as can be constructed. Placed at a moderate price to meet the demand for such a rifle. It is recommended without qualification and fully guaranteed. Made in the following styles:

.22 Long-Rifle R. F., 25 Stevens R. F., and .32 Long R. F. Standard length of barrel for rim-fire cartridges, 24 inches. Weight 7½ pounds.

.25-20 Stevens C. F., .32-40 C. F., .38-55 C. F., and .44-40 (.44 W. C. F.) Standard length of barrel for center-fire cartridges, 26 inches. Weight, 7¾ pounds.

Half-octagon barrel, oiled walnut stock and fore-arm, rifle butt, case-hardened receiver, sporting rear and Rocky Mountain front sight.

Price, with standard length of barrel, $13.00.

Can be obtained of any of the leading jobbers in Canada at liberal discount from this price.

Send for complete catalogue of our full line of Rifles, Pistols and Machinists' Tools.

J. Stevens Arms & Tool Co., P. O. Box 217, Chicopee Falls, Mass., U.S.A.

THOS. GOLDSWORTHY & SONS

MANCHESTER, ENGLAND.

EMERY { Cloth / Corn / Flour

We carry all numbers of Corn and Flour Emery in 10-pound packages, from 8 to 140, in stock. Emery Cloth, Nos. OO., O., F., FF., 1 to 3.

JAMES HUTTON & CO., Wholesale Agents for Canada, **Montreal.**

CURRENT MARKET QUOTATIONS

Nov. 10, 1899.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—		
56 and 28 lb. ingots, per lb.	....	0 36
Straits	....	0 36

Tinplates.

Charcoal Plates—Bright.

		Per box
M.L.S., equal to Bradley.		
I.C., usual sizes	....	$6 50
I.X., "	....	7 75
I.X.X., "	....	9 00
J. R. & Co.—		
I.C	....	6 00
I.X	....	7 25
I.X.X	....	8 50
Famous—		
I.C.	....	6 25
I.X.	....	7 50
I.X.X	....	8 75
Raven & Vulture Grades—		
I.C., usual sizes	....	5 00
I.X., "	....	5 75
I.X.X., "	....	6 50
I.X.X.X., "	....	7 25
D.C., 12½x17	....	4 50
D.X.	....	5 25
D.X.X	....	7 25

Coke Plates—Bright.

Bessemer Steel—		
I.C., usual sizes	....	4 35
I.C., special sizes, base...	...	4 50
20x28	....	8 75

Charcoal Plates—Terne.

Dean or J. G. Grade—		
I.C., 20x28, 112 sheets	....	8 50
I.X., Terne Tin	....	10 50

Charcoal Tin Boiler Plates.

		Per lb.
Cookley Grade—		
X X., 14x56, 50 sheet bxs		0 07 0 07½
" 14x60 "		
" 14x65, "		

Tinned Sheets.

72x30 up to 24 gauge	0 08	0 08½
" 26 "	0 08½	0 09
" 28 "	0 09	0 09½

Iron and Steel.

	Base	Price
Common Bar, per 100 lbs	2 35	2 45
Refined " "	2 85	2 95
Horse Shoe	....	2 65
Hoop steel, 1½ to 3 in. base, extras for smaller sizes	....	2 75
Swedish " "	4 00	4 25
Sleigh Shoe Steel " base	....	2 70
Tire Steel	....	2 70
Machinery	....	2 65
Cast Steel, per lb	0 10	0 14
Toe Calk Steel	....	3 25
Thos. Firth & Sons' Cast Steel	0 12	0 14
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker.	2 00	2 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½-inch	....	0 11
2 "	....	0 12
2½ "	....	0 14
"	....	....

Steel Boiler Plate.

¼ inch	....	3 25
3-16 inch	....	3 40
⅜ inch and thicker	....	3 25

Black Sheets.

18 gauge	....	2 85
20 gauge	....	2 85
22 to 24 "	....	3 00
26	....	3 10
28 "	....	3 35

Canada Plates.

All dull, 52 sheets	....	3 00
Half polished	....	3 10
All bright	....	3 60

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ⅜ inch $3 90; ½ inch, $3.90; ¾ inch, $4.90; 1 inch, $6.40; 1¼ inch, $8.10; 1½ inch, $10.40; 2 inch, $13.85. 2½ to 6 inch, discount 50 p.c.

Galvanized, ½ inch, $6.50; ¾ inch, $8.00; 1 inch, $11.50; 1¼ inch, $16.00; 1½ inch, $20.00; 2 inch, $28.50.

Galvanized Iron.

	G C.	Comet.	Amer.	Queen's Head
16 gauge	...	....	....	4 25
18 to 24 gauge	4 50	3 80	3 95	4 50
26 "	4 75	4 10	4 35	4 75
28 "	5 00	4 35	4 60	5 00

Less than case lots, 25c. per 100 lb. additional.

Chain.

Proof Coil, 3-16 in., per 100 lb	....	....
" ¼ " "	....	8 25
" 5-16 " "	....	6 25
" ⅜ " "	...	5 50
" 7-16 " "	...	5 30
" ½ " "	...	5 10
" ⅝ " "	...	4 90
" ¾ " "	....	4 85

Halter, kennel and post chains, 40 and 50 p.c.
Cow ties ..... 40 p.c.
Stall fixtures ..... 35 p.c.
Trace chain ..... 25 and 5 p.c.
Jack chain, iron, single and double, discount 35 p.c.
Jack chain, brass, single and double, discount 40 p.c

Copper.

Ingot.		
English B. S., ton lots	0 20	0 21
Lake Superior	....	....
Bolt or Bar.		
Cut lengths, round, ½ to ⅞ in.	0 23½	0 25
" round and square 1 to 2 inches	0 23½	0 25
Sheet.		
Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 23	0 23½
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 23	0 23½

NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.

Tinned copper sheets	....	0 26
Planished	....	0 32
Braziers. (In sheets.)		
4x6 ft. 25 to 30 lbs. ea., per lb.	....	0 25½
" 35 to 45 " "	....	0 24½
" 50-lb. and above, "	....	0 23½
Boiler and T. K. Pitts.		
Plain Tinned, per lb	....	0 28
Spun, per lb	....	0 32

Brass.

Roll and Sheet, 14 to 30 gauge, 5 per cent.		
Sheets, hard-rolled, 2x4	0 24	0 25
Tubing, base, per lb	0 24	0 25

Zinc Spelter

Foreign, per lb	0 07	0 07¼
Domestic "	....	....

Zinc Sheet.

5 cwt. casks	....	0 08
Part casks	....	0 08¼

Lead.

Imported Pig, per lb	0 04¾	0 05
Domestic, per lb	....	....
Bar, 1 lb	....	05
Sheets, 2½ lbs. sq. ft., by roll.	0 05¼	05½
Sheets, 3 to 6 lbs., per sq. ft., by roll	0 05	0 05¼

NOTE.—Cut sheets ½ cent per lb. extra
Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 17½ per cent. discount
NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths, lists at 7½ cents.

Shot.

Ordinary, drop, $4.75 per 1 0 lb ; chilled, $5.15 per 100 lb. F.O.B. Toronto ; terms 3 per cent. cash, freights equalized on Montreal.

Soil Pipe and Fittings.

Discount, 50 and 10 per cent. on medium and extra heavy, and 50 per cent. on light.

Solder.

	Per lb.	Per lb.
Bar half-and-half	0 21	0 22
Refined	0 20½	0 21½
Wiping	0 20	0 20½

NOTE.—Prices of this graded according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 11	0 11½

White Lead.

	Per cwt.
Pure, Assoc. guarantee, ground in oil, 25 lb. irons	6 50
No. 1 do	6 12½
No. 2 do	5 75
No. 3 do	5 37½
No. 4 do	5 00
Robertson's Chemically Pure	6 50
Munro's Select Flake White	6 75
Elephant and Decorators' Pure	6 50

Red Lead.

Genuine, 560 lb casks, per cwt.	....	$5 00
Genuine, 100 lb. kegs, per cwt..	5 25	5 50
No. 1, 560 lb. casks, per cwt.	....	4 75
No. 1, 100 lb. kegs, per cwt.	....	5 00

White Zinc Paint.

Elephant Snow White	0 08	0 09
Pure White Zinc	0 08	0 09
No. 1	0 06	0 07½
No. 2	0 05	0 06½

Dry White Lead.

Pure, casks	....	0 05½
Pure, kegs	....	0 05¾
No. 1, casks	....	0 04⅞
No. 1, kegs	....	0 05⅛

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)

Pure, per gallon	1 00	1 10
Second qualities, per gallon..	0 90	0 95
Barn (in bbls.)	0 70	0 90
The Sherwin-Williams Paints	....	1 30
Canada Paint Co's Pure	1 10	1 20
Robertson's Pure	....	1 10
Sanderson Pearcy's Pure	1 00	1 10
Toronto Paint and Color Co.'s Pure	1 10	1 20

Colors in Oil.

(25 lb. tins, Standard Quality.)

Venetian Red, per lb	0 05
Chrome Yellow	0 11
Golden Ochre	0 06
French "	0 05
Marine Black	0 09
" Green	0 09
Chrome "	0 08
French Imperial Green	0 19

Colors, Dry.

Yellow Ochre (J.C.) bbls	1 35	1 40
Yellow Ochre (J.F.L.S.), bbls	...	2 75
Yellow Ochre (Royal)	1 10	1 15
Brussels Ochre	....	2 00
Venetian Red (best), per cwt.	1 80	1 90
English Oxides, per cwt.	3 00	3 25
American Oxides, per cwt	1 75	2 00
Canadian Oxides, per cwt.	1 75	2 00
Super Magnetic Oxides, 93 p c.	2 00	2 25
Burnt Sienna, pure, per lb.	....	0 10
" Umber, " "	....	0 10
do Raw	....	0 09
Drop Black, pure	....	0 09
Chrome Yellows, pure	....	0 18
Chrome Greens, pure, per lb.	....	0 12
Golden Ochre	....	0 03¾
Ultramarine Blue in 28-lb boxes, per lb.	0 08	0 24
Fire Proof Mineral, per 100 lb.	....	1 00
Genuine Eng. Litharge, per lb	....	0 07
Mortar Color, per 100 lb.	....	1 25
James' Gen. Red Lead, 100 lb	....	0 05
Pure Indian Red, No. 45, lb.	....	0 08
Whiting, per 100 lb.	....	0 55

Sulphate of Copper.

Casks, for spraying, per lb.	....	0 07
100-lb. lots, do. per lb	....	0 08

Putty.

Bladders in bbls.	....	1 80
Bladders in 100 or 200 lb. kegs or bxs	....	1 95
Bulk in bbls., per 100	....	1 65
Bulk in less quantities	....	1 80
25-lb. tins, 4 in case	....	2 05
12½-lb. tins, 8 in case	....	2 30

Quotations f.o.b. Toronto, Ottawa, Montreal, Hamilton, London, Guelph. For quantities less than 100-lbs., 2½c. per lb.

Varnishes.

(In 5-gal. lots.).		Per gal
Carriage, No. 1	1 30	1 40
Extra do.	1 50	1 60
Body Varnish	3 40	3 50
Furniture Varnish	0 60	0 75
Extra do.	1 10	1 20
Demar Varnish	....	1 60
Hard Oil Finish	1 30	1 45
Orange Shellac Varnish	2 00	2 10
White Shellac	2 20	2 25
Rubbing Varnish	....	2 00
Brown Japan	85	1 00
Elastic Oak	....	1 40

Linseed Oil.

Raw.		Boiled.	
1 to 4 bbls.	$0 60	delivered	$0 63
5 to 9 bbls.	59	"	62
10 to 15 bbls.	57	f.o.b. point shipment	60
16 to 30 bbls.	56	"	59

On 1 to 4, 5 to 9 bbls. and car lots, freight allowed. Prices on 10 to 15 and 16 to 30-bbls. are f.o.b. shipping point.

Turpentine.

Single barrels	...	0 75
2 to 4 barrels	....	0 74
Freight allowed.		

Castor Oil.

In cases, per lb	....	0 09
Small lots	....	0 10

Cod Oil, Etc.

Cod Oil, per gal	0 50	0 55
Pure Olive	....	1 20
" Neatsfoot	....	90

Glue.

(In bbls.)

Common	0 08½	0 09
French Medal	0 [illegible]	0 12½
Cabinet, sheet	0 [illegible]	0 12
White, extra	0 16	0 18
Gelatine	0 22	0 30
Strip	0 16	0 18
Coopers	0 19	0 20
A1 clear	....	0 09

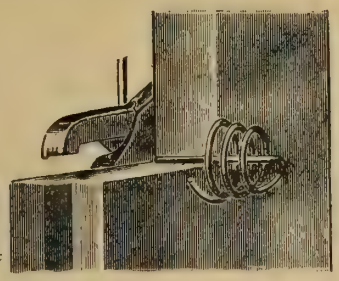
HARDWARE.

Ammunition.

Cartridges.

B. B. Caps. Dom., 50 and 5 per cent.
Rim Fire Pistol, dis. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18 p.c. Amr

THE KLONDIKE SAMPLE HOLDER



U. S. and Canadian Patents Granted. British Patents Pending.

is the perfect holder you have been looking for, and is now made in Canada. No more shop-worn samples; holders are simple to fix, and samples are easily removed. Send for prices and free sample to the maker for Canada, also maker of

BENNETT'S PATENT SHELF-BOX
J. S. BENNETT, 20 Sheridan Ave., Toronto.
N. B.—Boxes made to fit your present shelving.

WARNOCK'S TOOLS

have been Canada's Standard for 55 years---since 1844. Every article bearing our name is fully guaranteed. Always specify **"Warnock's."**

James Warnock & Co., - Galt, Ont.

Central Fire Cartridges, pistol sizes, Dom 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.
Brass shot Shells, 55 and 10 per cent.
Primers, Dom., 80 per cent.

Wads.

	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½- b. bags	0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Per lb	0 10	0 12½
Anvil and Vice combined	....	4 50
Wilkinson & Co.'s Anvils..lb.	0 09	0 09½
Wilkinson & Co.'s Vices..lb.	0 09¾	0 10

Augers.

Gilmour's, discount 50 and 10 p.c. off list.

Hollow, Stearn's, per dozen..	13 00	20 00
Adjustable, Stearn's, each..	4 50	6 50
Post-hole, Vaughan's, each..	60	90

Axes.

Chopping Axes—		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00

Bench Axes, 40 and 15 p.c.
Broad Axes, 33⅓ per cent.

Hunters' Axes	5 50	6 00
Boy's Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Bath Tubs.

Zinc	3 90	4 00

Copper, discount 40 and 10 p.c. off revised list
Steel clad, discount 20 per cent. Boxing extra.

Anti-Friction Metal.

Tandem "A"	per lb.	0 23
" B	"	0 19
" C	"	0 11½

Magnolia Anti-Friction Metal, per lb. 0 25
F. O. B. New York or Chicago.

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent.

Door.

Gongs, Sargant's 5 50 8 00
" Peterboro', discount 50 per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Farm.

American, each 1 25 3 00

House.

American, per lb 0 35 0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00

Blacksmiths', discount 60 per cent.

Belting.

Extra, 50 per cent.
Standard, 50 and 10 to 50, 10 and 5 per cent.
Agricultural, 60 and 10 p.c.

Bits.

Auger.

Gilmour's, discount 50 and 10 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent.

Gimlet.

Clark's, per doz	0 65	0 90
Diamond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb 0 07¾ 0 12

Bolts and Nuts. Per cent.

Norway Bolts, full square	65
Common Carriage Bolts, all sizes	50
" " full square	65
Machine Bolts, all sizes	52½
Coach Screws	65
Sleigh Shoe Bolts	70
Blank Bolts	52½
Bolt Ends	62½
Nuts, square	3½c off
Nuts, hexagon	4c. off
Tapping Nuts	60
Tire Bolts	60 and 10
Stove Bolts	60 and 10
Stove rods, per lb	5½ to 6c.
Plough Bolts	50

Boot Calks.

Small and medium, per M	4 50
Small heel, per M	4 25

Bright Wire Goods.

Discount 55 per cent.

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent.

Henis, No. 8, "	....	6 00
Henis, No. 9, "	....	7 00
Queen City "	7 50	9 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Plain building, per roll	0 28
Tarred lining, per roll	0 35
Tarred roofing, per 100 lb	1 40
Coal Tar, per barrel	3 75
Pitch, per 100-lb	0 60
Carpet felt, per 100 lb	2 50

Bull Rings.

Copper, $2.50 for 2½ in. and $2 for 2 in.

Butts.

Brass.

Wrought Brass, net revised list.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel.

Fast Joint, dis. 60 and 10 per cent.
Loose Pin, dis. 60 and 10 per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Cards.

Horse, per doz	0 60	1 00

Carpet Sweepers.

Bissell, per doz	22 50
World, "	21 75
Daisy, "	24 00
Star, "	18 00
Crown Jewel, per doz	29 00
Grand Rapids, "	24 00 33 00

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	...

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	50	9 50

Cement.

Canadian Portland	2 65	2 90
English "	....	3 00
Belgian "	....	2 70
Canadian hydraulic	1 00	1 10

Figures are for barrel lots.

Chalk.

Carpenters, Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 60 and 5 per cent.
Warnock's, dis. 60 per cent.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above. Discounts: Delivered from factories, 60 p.c.; from stock in Montreal, 58 p.c. Terms, 4 months or 3 p.c. cash in 30 days.

Cinder Sifters.

Per doz 1 25

Clips.

Axle dis. 65 per cent.

Closets.

Plain Ontario Syphon Jet	$8 00
Emb. Ontario Syphon Jet	8 50
Fittings	1 00
Plain Teutonic Syphon Washout	4 75
Emb. Teutonic Syphon Washout	5 25
Fittings	1 00
Plain Richelieu	4 75
Emb. Richelieu	5 00
Fittings	1 25
Closet connection	1 25
Basins, round, 14 in.	0 65
" oval, 17 x 14 in.	1 55
" " 19 x 15 in.	2 30

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 20 per cent. from factory.

Dies.

Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. per cent.

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Broad's, dis 60 to 60 and 7½ per cent.
Warnock's, dis. 60 to 60 and 7½ per cent.

Drills.

Hand and Breast.

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.

Stovepipe.

Per doz 0 85 1 70

ESCUTCHEONS.

Discount, 27½ per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 45 per cent.

FILES.

Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Jowitt's, English list, 25 to 27½ per cent
Mechanics' Star & File Mfg. Co. Discount 60 and 10 to 70 per cent.

FORKS.

Hay, manure, etc., dis., 50 and 10 per cent. revised list.

FRUIT PRESSES.

Henis', per doz	3 25	3 50

Shepard's Queen City, dis 15 per cent.

GAUGES.

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft
Under 26	2 10	4 00	3 50	6 00
26 to 40	2 30	4 35	3 75	6 65
41 to 50	....	4 75	....	7 25
51 to 60	....	5 00	....	8 50
61 to 70	....	5 35	....	9 25
71 to 80	....	5 75	....	10 50
81 to 85	....	6 50	....	11 75
86 to 90	....	7 25	....	14 00
91 to 95	....	....	....	15 50
96 to 100	....	....	....	18 00
101 to 105	....	....	....	21 00
106 to 110	....	....	....	24 00
111 to 115	....	....	....	28 00

16 x 16 10 per cent. off.

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾ "	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis 5 to 10 per cent. Can. dis. 25 to 27½ per cent.

Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz., net	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pair	0 40	2 50

Fork

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. list.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾	0 20

HANGERS. doz. pairs

Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50
Lane's covered—		
No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot		4½

HARVEST TOOLS.

Discount, 50 and 10 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent.

HINGES.

Blind, Parker's, dis. 60 and 10 to 65 per cent
" Shepard's Noiseless, dis. 60 per cent.
" " Buffalo, dis. 60 to 70 p. c.

Heavy T and strap, 4-in., per lb	....	0 06
" " 5-in., "	....	0 05¾
" " 6-in., "	....	0 05½
" " 8-in., "	....	0 05¼
" " 10-in., "	....	0 05

Light T and strap, dis. 60 and 10 per cent.
Screw hook and hinge—

6 to 12 in., per 100 lbs	....	4 50
14 in. up, per 100 lbs	....	3 50
		Per gro. pair
Spring	....	8 50

HOES.

Garden, Mortar, etc., dis 60, 10 and 5 p.c.		
Planter, per doz	4 00	4 50

HOLLOW WARE

Discount,..... 45 and 5 per cent

HOOKS.

Cast Iron.

Bird Cage, per doz.....	0 50	1 10
Clothes Line, per doz.....	0 27	0 63
Harness, per doz.....	0 72	0 88
Hat and Coat, per gross.....	1 00	3 00
Chandelier, per doz.....	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.

Hat and Coat, discount 60 per cent.
Belt, per 1,000..... 0 60 0 70
Screw, bright, dis. 55 per cent.

HORSE NAILS.

C" brand 50 p.c. dis.
M" brand 50 p.c. } Oval head.

Acadian, 50 and 20 p.c., countersunk head.

HORSESHOES.

Iron Shoes.	F.O.B. Toronto. No. 2 and larger.	No. 1. and smaller.
Light, medium, and heavy...	3 80	4 05
Snow shoes.....	4 05	4 30
Steel Shoes.		
Light.....	4 10	4 35
Featherweight (all sizes).....	5 35	5 35

JAPANNED WARE.

Discount, 50 per cent. off list, June, 1899.

ICE PICKS.

Star, per doz..... 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb..... 0 30 0 50
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 50 p.c.
Cabinet, trunk, and padlock, Am. per gross..... 60

KNOBS.

Door, japanned and N.P., per doz	1 50	2 50
Bronze, Berlin, per doz.....	2 75	3 25
Bronze Genuine, per doz....	6 00	9 00
Shutter, porcelain, F. & L. screw, per gross.....	1 30	4 00

HAY KNIVES.

Discount, 50 and 10 per cent.

LANTERNS.

Cold Blast, per doz.....	7 50
No. 3 " Wright's ".....	8 50
Ordinary with O burner.....	4 25
Dashboard, cold blast	9 50
No. 0.....	6 00

Japanning, 50c. per doz. extra.

LEMON SQUEEZERS.

	per doz.	
Porcelain lined,.....	2 20	5 60
Galvanized	1 87	3 85
King, wood.....	2 75	2 90
King, glass.....	4 00	4 50
All glass.....	1 20	1 30

LINES.

Fish, per gross.....	1 05	2 50
Chalk "	1 90	7 40

LOCKS

Canadian, dis. 27½ p.c.
Russell & Erwin, per doz.... 3 05 3 25
Cabinet.
Eagle, dis. 30 p.c.
Padlock.
English and Am., per doz.... 50 6 00
Scandinavian, " 1 00 2 40
Eagle, dis. 15 to 17½ p.c.

MACHINE SCREWS.

Iron and Brass.

Flat head, discount 25 p.c.
Round Head, discount 20 p.c.

MALLETS.

Tinsmiths', per doz.....	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz..	3 85	5 00
Caulking, each.....	60	2 00

MATTOCKS

Canadian, per doz..... 8 50 10 00
American, 60 and 10 p.c. off list.

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are :	Cut.	Wire.
2d. and 3d	$3 60	$4 30
3d	3 25	3 95
4 and 5d..... ..	3 00	3 80
6 and 7d.....	2 90	3 65
8 and 9d.....	2 75	3 45
10 and 12d.....	2 70	3 40
16 and 20d.....	2 65	3 35
30, 40, 50 and 60d. (base).....	2 60	3 30

Steel Cut Nails 10c. extra.

NAIL PULLERS.

German and American..... 1 85 3 50

NAIL SETS.

Square, round, and octagon, per gross 3 38 4 00
Diamond 12 00 15 00

NETTING.

Poultry, 40 per cent. for McMullen's.

OIL.

Canada refined (Toronto)....	....	0 13½
Sarnia Water White	....	0 15
Pratt's Astral.....	....	0 18
Sarnia, Prime White	....	0 14
American w. w.	....	0 16½

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz..... 0 00 11 00
Zinc and tin, dis. 50, 50 and 10.
Copper, per doz..... 1 25 3 50
Brass, " 1 50 3 50
Malleable, dis. 25 per cent.

PAILS.

Galvanized pails, discount 45 per cent.
Galvanized flaring pails, discount 45 per cent
Galvanized washtubs, discount 45 per cent.

PIECED WARE.

Discount, 45 per cent. off list, June, 1899.

PICKS.

Per doz 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross.... 1 40 3 00
Brass head, " 0 40 1 00

PLANES.

Wood, bench, Canadian dis. 55 per cent. American dis. 55.
Wood, fancy Canadian or American, 37½ to 40 per cent.
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.
Miscellaneous, dis. 25 to 27½ per cent.
Bailey's Victor, 25 per cent.

PLANE IRONS.

English, per doz..... 2 00 5 00

PLIERS AND NIPPERS.

Button's Genuine, per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz.. 5 00 9 00
German, per doz..... 0 60 2 60

PRESSED SPIKES.

Discount, 20 per cent.

PULLEYS.

Hothouse, per doz.....	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning.....	0 35	2 50

PUMPS

Canadian cistern.....	1 40	2 25
Canadian pitcher spout.....	1 15	2 00

PUNCHES.

Saddlers', per doz.....	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set.....	0 00	0 72
" hollow, per inch....	0 00	1 00

RANGE BOILERS

Galvanized, 30 gallons			8 50
"	35	"	10 00
"	40	"	11 00
Copper,	30	"	22 00
"	35	"	26 00
"	40	"	30 00

Discount off Copper Boilers 10 per cent.

RAKES.

Cast steel and malleable Canadian, list dis. 50 and 10 p.c revised list.
Wood, 25 per cent.

RASPS AND HORSE RASPS.

New Nicholson horse rasp, discount 60 p.c.
Globe File Co.'s rasps, 60 and 10 to 70 p.c.
Heller's Horse rasps, 50 to 50 and 5 p.c.

RAZORS.

	per doz.	
Geo. Butler & Co.'s,.....	8 00	18 00
Boker's	7 50	11 00
Wade & Butcher's...	3 60	10 00
Theile & Quack's.....	7 00	12 00

REAPING HOOKS.

Discount, 50 and 10 per cent.

REGISTERS.

Discount,..... 60 per cent.

RIVETS AND BURRS.

Carriage, Section, Wagon Box Rivets, etc (Steel), 45 p c.
Black M. Rivets (Steel), 45 p.c.
Black and Tinned Rivets, 45 p.c.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets & Burrs, 35 p.c. dis., and cartons, 1c. per lb. extra, net.
Extras on Tinned or Coppered Rivets in ½-lb. cartons, 1c. per lb.
Burrs, iron or steel, 40 per cent.
Terms, 4 mos. or 3 per cent. cash 30 days.

RIVET SETS.

Canadian, dis. 35 37½ per cent.

ROPE, ETC.

	Sisal.	Manila.
7-16 in. and larger, per lb.	12½	15
⅜ in.....	13	15½
¼ and 5-16 in.	13½	16
Cotton		14
Russia Deep Sea		15½
Jute		8
Lath Yarn		9¾
New Zealand Rope.....		10½

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

	per set.
Mrs. Potts, plain, polished	0 90
" " " 12 case lots	0 85

10c. advance for plated.

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 2½ per cent.
Emery, 40 per cent.

SAWS.

Hand, Disston's, dis. 12½ p.c.
S. & D., 40 per cent.
Crosscut, Disston's, per ft.... 0 35 0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.
Hack, complete, each..... 0 75 2 75
" frame only..... .... 0 75

SASH WEIGHTS.

Sectional, per 100 lbs.....	....	3 25
Solid, "	....	1 50

SASH CORD.

Per lb..... 0 20 0 50

SAW SETS.

"Lincoln," per doz..... .... 6 50

SCALES

Gurney Scales, 45 p.c.
B. S. & M. Scales, 45 p.c.
Champion, 55 per cent.
Fairbanks Standard 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Chatillon Spring Balances, 10 p.c.

SCREW DRIVERS.

Sargent's, per doz..... 0 65 1 00

SCREWS

Wood, F. H., iron, and steel, 80 p.c.
Wood R. H., " dis. 75 p.c.
" F. H., brass, dis. 75 p.c.
Wood, R. H., " dis. 67½ p.c.
" F.H., bronze, dis. 67½ p.c.
" R.H. " 62½ p.c.
Drive Screws, 60 per cent.
Bench, wood, per doz..... 3 25 4 00
" iron, " 4 25 5 75

SCYTHES.

Discount, per doz. net..... 9 00 15 00

SCYTHE SNATHS.

Canadian, dis. 45 p.c.

SHEARS

Seymour's, dis. 50 and 10 p.c.
Heinisch, dis. 50 and 10 p.c.
Seymour or Heinisch tailor shears. 15 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SNAPS.

Harness, German, dis. 25 p.c.
Lock, Andrews'..... 4 50 11 50

SOLDERING IRONS.

1, 1½ lb., per lb.....	0 37
2 lb. or over, per lb.	0 34

SQUARES.

Iron, per doz.....	1 65	2 90
Steel, dis. 50 and 10 per cent., revised list.		
Try and bevel, dis. 50 to 52½ p.c.		

STAMPED WARE.

Plain, dis., 75 and 12½ p c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized	3 80
Bright	3 55

STOCKS AND DIES.

American dis. 25 p.c.

STONE.

		Per lb,
Washita.....	0 28	0 60
Hindostan	0 06	0 07
" slip, ...	0 09	0 09
Labrador	....	0 13
" Axe.....	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, per ton	15 00	18 00

STOVE PIPES.

5 to 6 inch, per 100 lengths....	6 75
7 inch, per 100 lengths.....	7 25

Stove Polish.



No. 4—3 dozen in case, net cash	$4 50
No. 6—3 dozen in case, "	7 50

STEP LADDERS.

Best grade, from 3 to 10-ft. long, per foot, 16c
2nd grade, 3 to 10-ft., per foot, 10c.

TACKS BRADS, ETC.

	Per cent.
Strawberry box tacks, bulk 75	
Cheese-box tacks, blued .....80 and 12½	
Trunk tacks, black and tinned.....80 and 12½	
Carpet tacks, blued and tinned ..75 and 10	
" " (in kegs) 35	
Cut tacks, blued, in dozens only ..70 and 10	
" " ¼ weights 55	
Swedes, cut tacks, blued and tinned—	
In bulk 80	
In dozens ....70 and 10	
Swedes, upholsterers', bulk .....80 and 12½	
" brush, blued & tinned, bulk..45	
" gimp, blued tinned and japanned..... .....70 and 10	
Zinc tacks 30	
Leather carpet tacks 55	
Copper tacks 50	
Copper nails 52½	
Trunk nails, black 65	
Trunk nails, tinned .....65 and 5	
Clout nails, blued and tinned.....	65
Chair nails	35
Cigar box nails	35
Patent brads	40
Fine finishing	40
Picture frame points	10
Lining tacks, in papers	10
" " in bulk	15
" " solid heads, in bulk.....	75
Saddle nails in papers	10
" " in bulk	15
Tufting buttons, 22 line, in dozens only	60
Tin capped trunk nails.....	15
Zinc glazier's points.....	5
Double pointed tacks, dozens.....	85
" " " bulk	

TAPE LINES.

English, ass skin, per doz....	2 75	5 00
English, Patent Leather....	5 50	9 75
Chesterman's each.....	0 90	2 85
" steel, each	0 80	3 00

THERMOMETERS

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRANSOM LIFTERS.

Payson's per doz..... 2 60

TRAPS. (Steel.)

Game, Newhouse, dis. 40 p c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's, discount 10 per cent.

German, per doz.....	4 75	6 00
Brade's "	5 00	10 50

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb.....	....	0 21
Wrapping, mottled, per pack.	0 50	0 60
Wrapping, cotton, per lb	0 17	0 18
Mattress, per lb.....	0 33	0 45
Staging, "	0 27	0 35
Broom, "	0 30	0 55

VISES.

Hand, per doz.....	4 00	6 00
Bench, parallel, each	2 00	4 50
Coach, each.....	6 00	7 00
Peter Wright's, per lb.....	0 12	0 13
Pipe, each.....	5 50	9 00
Saw, per doz	6 50	13 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Smooth Steel Wire, base, $3.35 f o.b. factory points. List of extras: Nos. 2 to 5, advance 7c. per 100 lb.—Nos. 6 to 9 base—No. 10, advance 7c.—No. 11, 14c.—No. 12, 20c.—No. 13, 35c.—No. 14 47c.—No. 15, 60c.—No. 16, 75c. Extras net per 100 lb.: Coppered wire, 60c.—tinned wire, $2—oiling, 10c.—special hay-bailing wire, 30c.—spring wire, $1—best steel wire, 75c.—bright soft drawn, 15c.—in 50 and 100-lb. bundles net, 10c.—in 25-lb. bundles net, 15c.—packed in casks or cases, 15c.—bagging or papering, 10c.
Fine Steel Wire, dis. 12½ per cent. factory. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19. $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, $7.65—No. 24, $8—No. 25, $9—No. 26, $9.50—No. 27, $10—No. 28 $11—No 29, $12—No. 30, $13—No. 31, $14—No 32, $15 No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31, $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.60—No. 9, $3.10—No. 10, $3.70—No. 11, $3.75—No. 12, $3 20—No. 13, $3.45—No. 14, $4 10—No. 15, $4.70—No. 16. $4.85.

Broom Wire, per lb.....	0 05	0 05½
Clothes Line Wire, 19 gauge, per 1,000 feet.....	....	3 30

WIRE FENCING.

	F.O.B. Toronto
Galvanized, 4 barb, 2¼ and 5 inches apart.....	3 50
Galvanized, 2 barb, 4 and 6 inches apart.....	3 50
Galvanized, plain twist.....	3 50

Terms, 2 per cent. in 10 days.

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net... 1 75

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 and 10 to 60, 10 and 10 p.c.
Coe's Genuine, dis. 20 to 25 p.c.
Diamond, dis. 33⅓ to 35 per cent.

Towers' Engineer, each.....	2 00	00
" S., per doz	5 80	00
G. & K.'s Pipe, per doz.....	....	3 40
Burrell's Pipe, each.....	....	3 00
Pocket, per doz.....	0 25	2 90

WRINGERS.

Leader.....	per doz.	$60 00
Royal Canadian	"	58 00
Royal American	"	48 00

Discount, 45 per cent.: terms 4 months, or 3 p.c. 30 days. Prices are f.o.t. London Hamilton Toronto, Brockville or Montreal.

FILE MANUFACTURERS ASSOCIATION OF THE UNITED STATES — SEAL

PRICE LIST OF FILES AND RASPS

ADOPTED BY THE

File Manufacturers Association of the United States,

AS THEIR SELLING LIST PER DOZEN,

To take effect on and after Nov. 1st, 1899.

INCH.	MILL AND ROUND.			FLAT.		
	Bastard	2d Cut	Smooth	Bastard	2d Cut	Smooth
4	3.00	3.50	3.90	3.70	4.30	4.70
5	3.20	3.80	4.10	3.90	4.60	4.90
6	3.50	4.00	4.50	4.30	4.80	5.30
7	3.90	4.60	4.90	4.80	5.50	6.10
8	4.30	4.90	5.40	5.30	6.10	6.60
9	4.90	5.80	6.30	6.30	7.20	7.90
10	5.60	6.40	7.00	7.00	8.10	8.70
11	6.70	7.80	8.50	8.60	9.80	10.70
12	7.50	8.60	9.40	9.70	11.00	12.10
13	9.40	10.70	11.70	11.80	13.60	14.70
14	10.70	12.20	13.10	13.30	15.30	16.70
15	13.10	15.00	16.10	16.00	18.30	20.00
16	14.70	16.80	17.90	17.80	20.10	22.30
17	18.20	20.20	21.70	21.50	24.20	26.50
18	20.20	22.70	24.30	23.90	26.80	29.20
19	24.60	27.50	29.40	28.40	31.60	34.60
20	27.40	30.70	32.90	31.50	35.30	38.30

Mill Blunt, Dbl. Cut, adv. 2 in.
Mill Dbl. Cut, " 1 "
Mill Narrow Point, " 1 "

Cant (Blunt) Dbl. Cut advance 2 in.

INCH.	SQUARE.			HAND AND PILLAR.		
	Bastard	2d Cut	Smooth	Bastard	2d Cut	Smooth
4	3.80	4.60	4.90	3.70	4.30	4.80
5	4.10	4.80	5.30	3.90	4.70	5.30
6	4.60	5.10	5.50	4.30	5.10	5.60
7	5.10	5.80	6.30	4.90	5.80	6.30
8	5.50	6.30	7.00	5.40	6.30	6.70
9	6.60	7.70	8.30	6.70	7.80	8.30
10	7.40	8.50	9.10	7.50	8.70	9.40
11	9.10	10.40	11.30	9.40	10.90	11.80
12	10.20	11.50	12.80	10.70	12.30	13.50
13	12.50	14.30	15.40	13.30	15.20	16.20
14	13.90	16.10	17.50	15.00	17.00	18.20
15	16.90	19.20	20.90	17.90	20.60	21.70
16	18.70	21.20	23.30	20.10	22.80	24.20
17	22.50	25.40	27.50	24.20	27.10	28.60
18	25.10	28.20	30.40	26.80	29.90	31.50
19	29.70	33.20	35.70	31.90	35.40	37.60
20	32.80	36.70	39.30	35.10	39.20	41.60

Square Blunt, advance 1 in.

Slotting (Blt.) adv. 2 in.
Cotter Blunt or Taper advance 2 in.

INCH.	HLF. RD. & THREE SQ.			WARDING.		
	Bastard	2d Cut	Smooth	Bastard	2d Cut	Smooth
4	4.80	5.60	6.10	4.00	4.80	5.40
5	5.40	6.10	6.40	4.50	5.30	5.80
6	6.10	6.70	7.10	4.90	5.90	6.40
7	7.00	7.70	8.20	5.90	6.90	7.50
8	7.50	8.30	8.90	6.40	7.50	8.20
9	8.50	9.40	9.90	7.80	9.00	9.90
10	9.10	10.10	10.70	8.70	10.10	11.00
11	10.70	11.80	12.70	10.90	12.70	13.70
12	11.80	13.00	13.90	12.30	14.30	15.40
13	14.10	15.40	16.60	15.20	17.40	18.70
14	15.50	17.00	18.30	17.00	19.40	21.00
15	18.50	20.40	21.70			
16	20.60	22.50	24.20			
17	24.70	27.00	28.90			
18	27.50	29.90	32.00			
19	32.80	35.70	38.10			
20	36.20	39.40	42.30			

Ginsaw, take Bastard price.
Crossing, . . . adv. 2 in.
Tumbler, . . . " 2 "
Feather Edge (Blunt) " 2 "
High Back / ***Half Round*** . . " 2 "

Stavesaw.
8 inch, $9.40

Stavesaw Improved.
6 inch, . $6.40
7 " . 7.40
8 " . 8.10
9 " . 9.70
10 " . 10.70
12 " . 15.40

INCH.	MILL. ONE ROUND EDGE.			MILL. TWO ROUND EDGES.		
	Bastard	2d Cut	Smooth	Bastard	2d Cut	Smooth
4	3.40	3.90	4.40	3.80	4.40	4.90
5	3.60	4.30	4.60	4.00	4.80	5.10
6	3.90	4.50	5.10	4.40	5.00	5.60
7	4.40	5.20	5.50	4.90	5.80	6.10
8	4.80	5.50	6.10	5.40	6.10	6.80
9	5.50	6.50	7.10	6.10	7.30	7.90
10	6.30	7.20	7.90	7.00	8.00	8.80
11	7.50	8.80	9.60	8.40	9.80	10.60
12	8.40	9.70	10.60	9.40	10.80	11.80
13	10.60	12.00	13.20	11.80	13.40	14.60
14	12.00	13.70	14.70	13.40	15.30	16.40
15	14.70	16.90	18.10	16.40	18.80	20.10
16	16.50	18.90	20.10	18.40	21.00	22.40
17	20.50	22.70	24.40	22.80	25.30	27.10
18	22.70	25.50	27.30	25.30	28.40	30.40

INCH.	TAPERS.		SLIM TAPERS.		BANDSAW. BLUNT & TAPER.	
	Single Cut	Double Cut	Single Cut	Double Cut	Regul'r	Slim
3	2.10	2.50	2.10	2.50	2.50	2.50
3½	2.10	2.50	2.10	2.50	2.50	2.50
4	2.20	2.90	2.20	2.60	2.90	2.60
4½	2.40	3.10	2.30	3.00	3.10	3.00
5	2.60	3.50	2.50	3.20	3.50	3.20
5½	3.00	4.00	2.90	3.50	4.00	3.50
6	3.40	4.70	3.10	3.90	4.70	3.90
7	4.30	5.60	3.80	4.50	5.60	4.50
8	5.40	6.70	4.50	5.30	6.70	5.30
9	6.60	8.10	5.40	6.30	8.10	6.30
10	8.10	9.70	6.40	7.50	9.70	7.50
11	10.70	12.10	8.30	9.10	12.10	9.10
12	12.50	14.70	9.50	11.00	14.70	11.00
13	15.90	17.50	12.10	13.10	17.50	13.10
14	18.20	20.60	13.80	15.40	20.60	15.40

INCH.	PIT SAW.	CANT SAW.	CROSS CUT.	HOOK TOOTH.	Planer Knife.	Insertd Tooth, or Chisel Tooth
	Single Cut	Single Cut	Single Cut	Single Cut	Single Cut	
4	4.80	4.30	4.80	.....	.....	.....
5	5.40	4.70	5.40	.....	.....	.....
6	6.10	5.40	6.10	6.70	.....	.....
7	7.00	6.10	7.00	7.70	.....	.....
8	7.50	6.40	7.50	8.30	6.40	8.30
9	8.50	7.80	8.50	9.40	.....	9.40
10	9.10	8.70	9.10	10.10	8.60	10.10
11	10.70	10.40	10.70	11.80	.....	.....
12	11.80	11.40	11.80	13.00	12.10	.....

Climax, adv. 2 in. on Hlf. Rd. Bastard.
Round Gulleting, take Pitsaw price.

DOUBLE-ENDED TAPER.

6	7	8	9	10
3.50	3.50	3.90	4.40	4.90

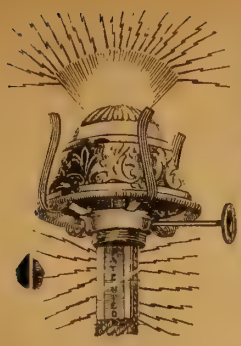
INCH.	HORSE RASPS.			FILE RASPS.		INCH.	WOOD FILES.			WOOD RASPS.			INCH.	SHOE RASPS.			INCH.	KNIFE.		
	Plain	Beveled & ¾ Rasp	Tanged	Flat	Hf. Rnd		Flat	Hf. Rnd	Cabinet	Flat	Hf. Rnd	Cabinet		Flat	Hf. Rnd	Oval		Bastard	2d Cut	Smooth
6	.....	.....	.....	7.40	8.10	6	4.30	6.10	8.10	7.40	8.10	10.10	6	8.10	8.10	9.30	4	5.40	6.10	6.40
7	.....	.....	.....	8.60	9.30	7	4.80	7.00	9.30	8.60	9.30	11.70	7	9.30	9.30	10.10	5	6.10	6.70	7.10
8	.....	.....	.....	9.40	10.10	8	5.30	7.50	10.10	9.40	10.10	12.80	8	10.10	10.10	12.20	6	6.90	7.50	7.90
9	.....	.....	.....	11.40	12.20	9	6.30	8.50	12.20	11.40	12.20	15.50	9	12.20	12.20	13.70	7	7.80	8.50	8.90
10	9.40	10.70	12.80	12.80	13.70	10	7.00	9.10	13.70	12.80	13.70	17.50	10	13.70	13.70	16.80	8	8.50	9.10	9.50
11	11.40	12.90	15.20	15.50	16.80	11	8.60	10.70	16.80	15.50	16.80	20.70	11	16.80	16.80	18.70	9	9.40	10.60	11.30
12	12.80	14.40	16.80	17.50	18.70	12	9.70	11.80	18.70	17.50	18.70	22.80	12	18.70	18.70	22.40	10	10.10	11.50	12.30
13	15.20	17.00	19.60	20.90	22.40	13	11.80	14.10	22.40	20.90	22.40	26.80	13	22.40	22.40	.....	11	12.20	13.70	14.60
14	17.80	20.10	23.10	23.20	24.80	14	13.30	15.50	24.80	23.20	24.80	29.60	14	24.80	24.80	.....	12	13.70	15.20	16.10
15	20.90	23.60	27.30	27.80	29.70	15	16.00	18.50	29.70	27.80	29.70	33.90					13	16.30	17.90	19.20
16	24.40	27.50	32.20	30.80	32.90	16	17.80	20.60	32.90	30.80	32.90	36.90					14	18.20	19.90	21.20
17	28.90	31.50	.....	36.20	38.90	17	21.50	24.70	38.90	36.20	38.90	42.40								
18	32.90	36.20	.....	40.90	43.60	18	23.90	27.50	43.60	40.90	43.60	46.90								

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One inch adv. on Cabinet Rasp.

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Files varying from standard sizes, subject to special prices.

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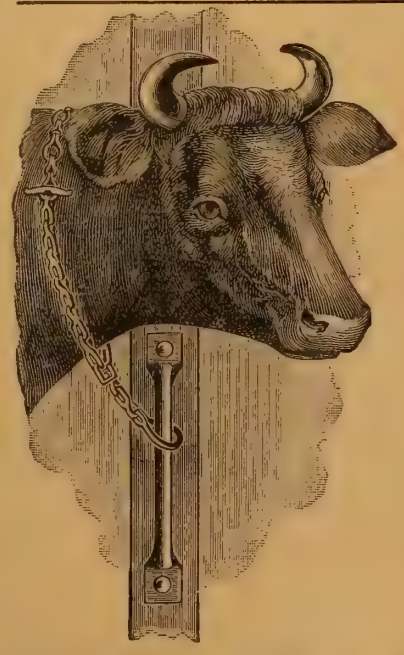
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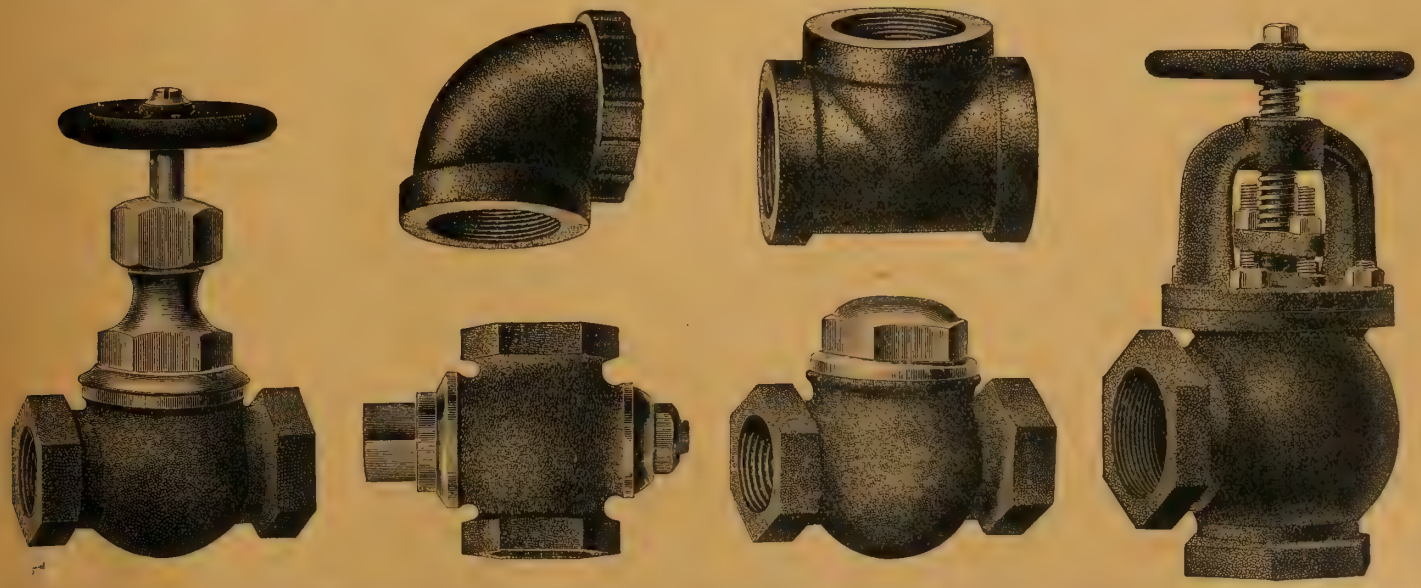
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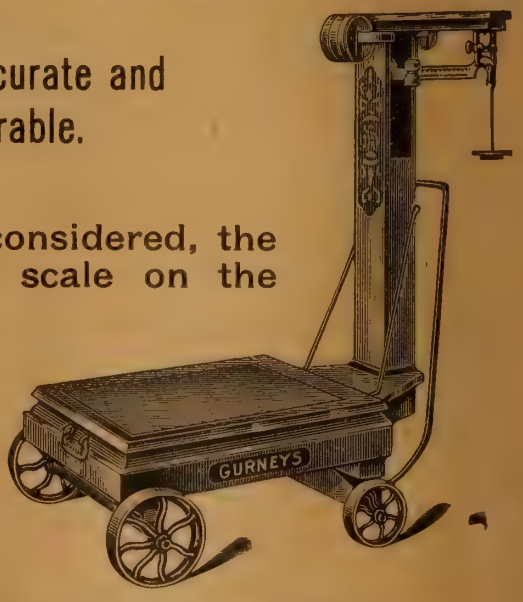
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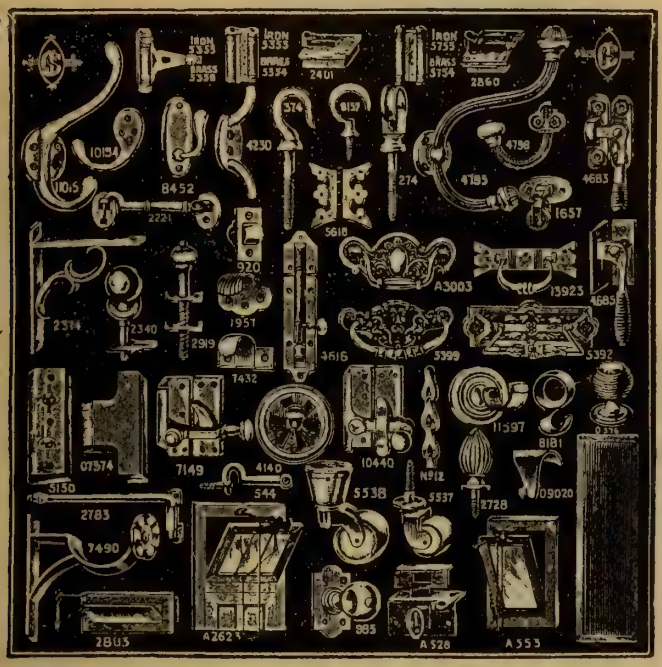
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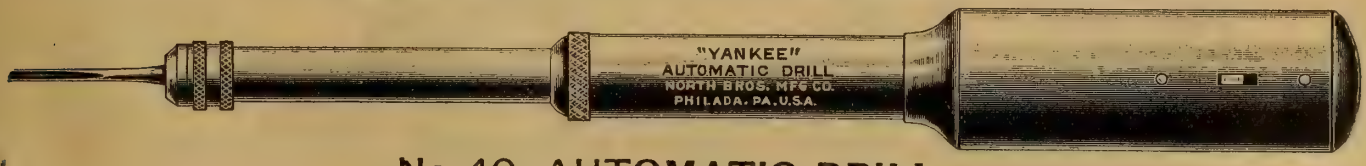
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SEYBOLD, SON & CO.,

Established 30 years.

Carrying a complete assortment of HARDWARE, from a Needle to an Anchor.

COW TIES

Greening's Patent

We make the following :

Open Ring, six sizes.
Small Closed Ring, six sizes.
Large Closed Ring, six sizes.
Three Chain, six sizes.
Greening's Special Tie with Stall Fixtures, five sizes.

Our ties have stood the test for years and are undoubtedly the best in the market. Send for new price list. For sale by all jobbers.

The B. GREENING WIRE CO., Limited

HAMILTON and MONTREAL.

DAVID MAXWELL & SONS

ST. MARYS, ONT., CANADA



Steel Frame.

"MAXWELL FAVORITE CHURN"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive.

LAWN MOWERS.

High and Low Wheels, from 12-in. to 20-in. widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate.

WHEELBARROWS.

In Four different sizes.

If your Wholesale House does not offer you these articles

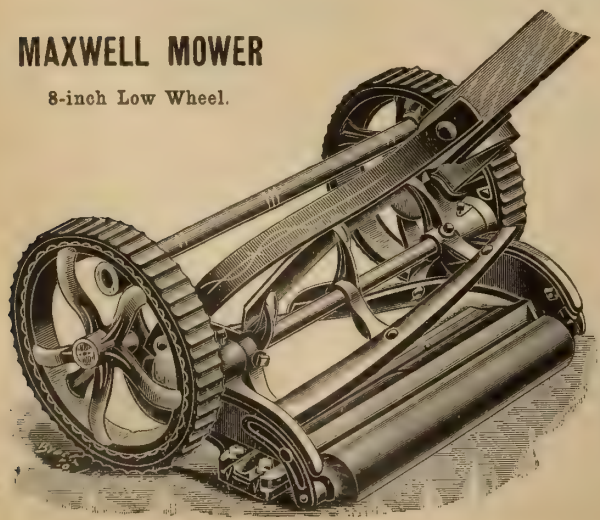
SEND DIRECT TO US.



Wood Frame.

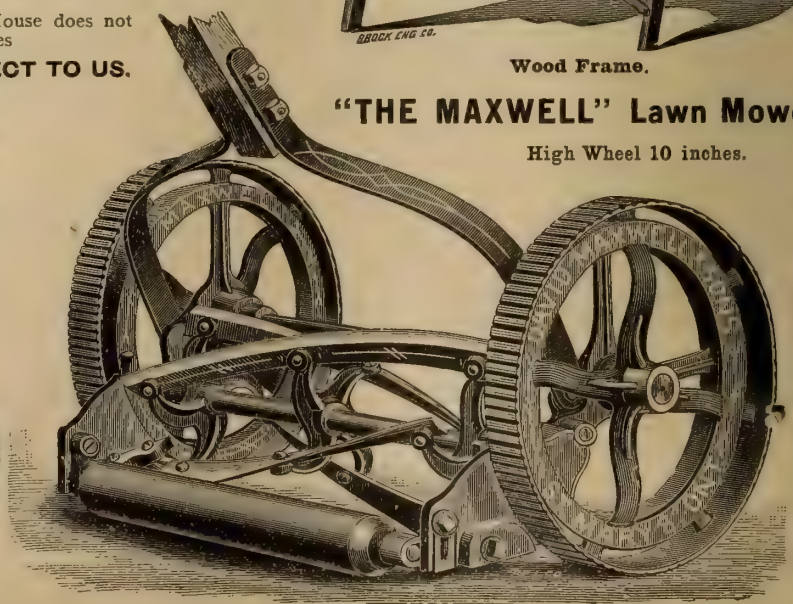
MAXWELL MOWER

8-inch Low Wheel.



"THE MAXWELL" Lawn Mower

High Wheel 10 inches.



WOOD, VALLANCE & CO.,

..HARDWARE MERCHANTS..

ELEY'S LOADED SHELLS

In 10 and 12 Gauges, loaded with either Smokeless or Black Powder.

PRICES LOW. BEST VALUE ON THE MARKET.

HAMILTON - ONTARIO

Branch House: George D. Wood & Co., Winnipeg, Man.



WOOD, VALLANCE & CO.,
HAMILTON, ONT.

GEO. D. WOOD & CO.,

Iron Merchants

Importers of British and Foreign

HARDWARE.

WINNIPEG, CANADA.

ESTABLISHED 1860 - - INCORPORATED 1895

OIL HEATERS



NEW PROCESS AND STANDARD.
GREAT HEATING POWER.

You cannot make a mistake in ordering either; with both you will have a winning pair. Send for booklets and prices.

THE

THOS. DAVIDSON MFG. CO., Limited

SOLE AGENTS FOR CANADA. MONTREAL.

The Round Reacting Washer.

A STRICTLY FIRST-CLASS MACHINE
AT A REASONABLE PRICE.

Most Efficient

A Quick Seller



No other machine so easily operated.
Closed in—keeping suds hot and preventing escape of vapor into the room.
We commend these machines to the trade.

SEND FOR PRICES AND CIRCULARS.

The Dowswell Mfg. Co., Limited, Hamilton, Ont.

A PAIR OF LEADERS



No. 753.

No. 753

"Roses"

The dainty and delicate motif of this design is very much appreciated by connoisseurs. The choice of colors on soft, natural, and sober grounds, such as reseda, grass green and azure cannot be equalled for effectiveness in gilt and flat papers.

No. 843

"Pinks"

This is one of the many bewitching florals shown in the upper end of our line, printed in flats and embossed varnish golds. The beautiful succession of cheerful colorings on baize, modern blue, cream white, old ivory, and blossom green grounds, makes this pattern a remarkably good seller.



No. 843.

The above patterns are DRAWING CARDS in any display window or rack—the buyer will pick them out of the largest assortment.

Can you afford to be without the best? We have others, too.

Let us send you a representative or a set of samples, free of all charge—you will then be able to understand the reason why we are Leaders in the trade and our Wall Papers find such a ready sale with best resulting profit to dealers.

In point of originality, variety, novelty, and quality we excel.

Don't wait. Order now and get best selection and early delivery. Perhaps you will need the goods sooner than you anticipate. The tide of prosperity will benefit you ever so much more IF YOU HANDLE "PROSPERITY" WALL PAPERS, only manufactured by

The WATSON, FOSTER COMPANY

Agents for Cameo Reliefs and Lignomur ... LIMITED

MONTREAL, QUE.

UNION HOCKEY SKATES

These goods will be found to be beautiful in design, finish and workmanship. The points of excellence are: **STRENGTH,** which is guaranteed. **WEIGHT,** which is light. **PROPER LINES** to fit sole of boot. **CORRECT EDGE** of blade, which insures power and speed. **HEIGHT and HANG** for ease of stroke and cutting corners.



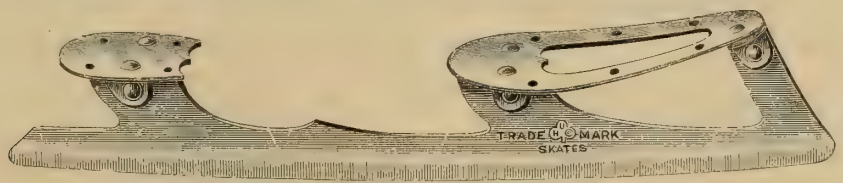
Plain Runner, Straight. Also Puck Stopper.



Flanged Runner. Also Puck Stopper.

DOMINION MFG. & SKATE CO.

MONTREAL
40 Nazareth Street.



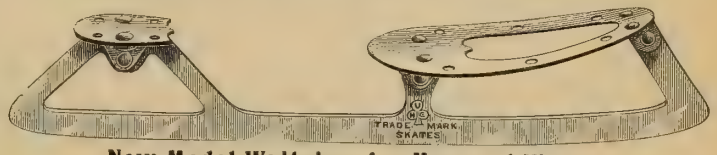
Flanged Runner, Curved or Rocker Blade, for Ladies.

THESE PATTERNS MADE IN ALL VARIETIES OF FINISH AND QUALITY



New Model Hockey, Arched Heel.

THE LARGEST AND MOST COMPLETE LINE ON THE MARKET



New Model Waltzing, for Men and Women

Made in Canada.

UNION HARDWARE CO.

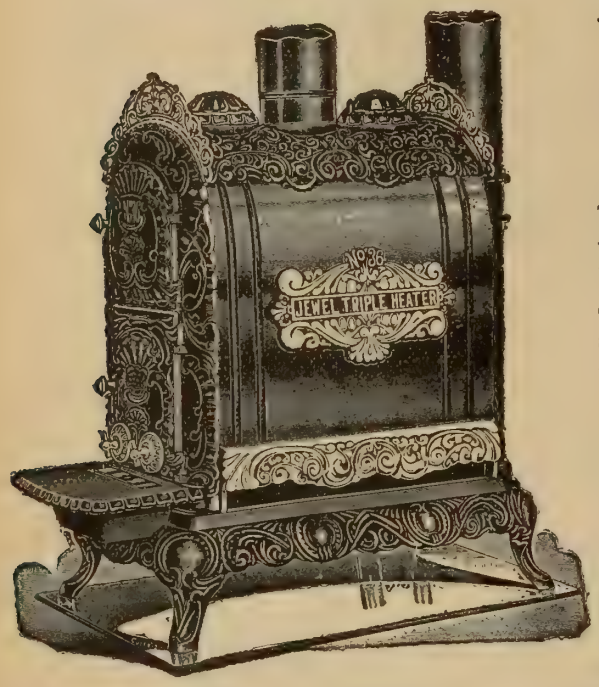
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95 Chambers Street.

TORRINGTON, CONN., U.S.A.

SOMETHING GOOD

The "Jewel" Triple Heater

is the most powerful and artistic stove of its class yet manufactured.

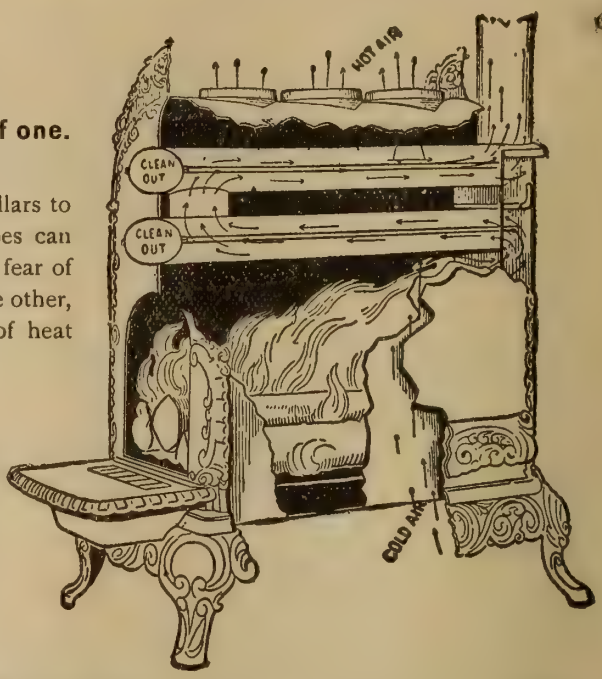


THREE HEATERS

for the price of one.

Three warm air collars to which three tin pipes can be attached without fear of one pipe robbing the other, as there is plenty of heat for all.

This stove is the most economical yet devised, and the dampers **are absolutely air-tight.** Write for quotations to the sole makers.



The BURROW, STEWART & MILNE COMPANY, Limited, Hamilton, Ont.

EXTENDED INSURANCE.

One of the many liberal features embodied in the **UNCONDITIONAL ACCUMULATIVE POLICY** issued by the

Confederation Life Association.

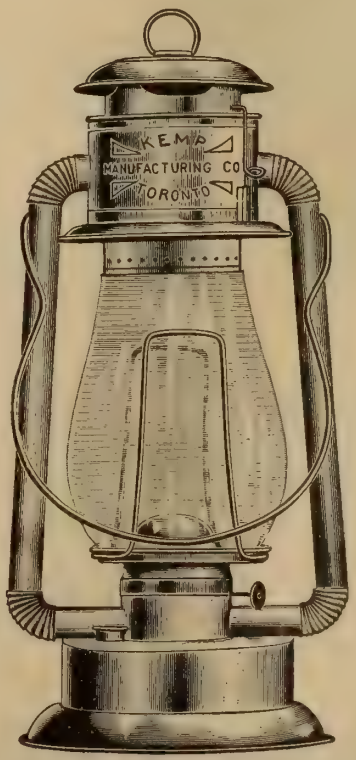
HEAD OFFICE--TORONTO.

is the provision for Extended Insurance. After two full annual premiums have been paid, the insured is entitled to Extended Insurance for the full amount of the policy for a term of years definitely stated therein. Paid-up and Cash Values also guaranteed.

Rates and full information sent on application to the Head Office, Toronto, or to any of the association's agents.

W. C. Macdonald, Actuary.

J. K. MACDONALD, Managing Director



How is your stock of

Lanterns?

We are in a position to promptly fill all orders, whether by mail, wire or given our representatives. You know the Lantern—The "COLD BLAST" one with **KEMP'S** name on it. That's a guarantee. . . . .

KEMP MANUFACTURING CO.,

TORONTO, CANADA.

HARDWARE AND METAL

Vol. XI. MONTREAL AND TORONTO, NOVEMBER 18, 1899. No. 46

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Treasurer, HUGH C. MacLEAN, Toronto.

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Limited.

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

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WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

FELLOWSHIP.

THERE is much truth in the editorial comment made by The Galt Reformer when referring to the banquet of James Warnock & Co. (The Galt Edge Tool and Carriage Spring Works), Galt, Ont. Sympathy, confidence, and good-will between masters and men always insure interest, and generally enthusiasm, in the work of the whole staff, and are productive of better results both to the employer and employe. It is not an uncommon thing in the factories of Canada for masters and men to treat each other with consideration. This is shown in the comparative infrequency of strikes. The following references rom The Reformer's comment are worthy of thought: "Fighting does not make for business. The 'good terms' basis is assurance that material, as well as social, progress is well founded. If the problem of capital and labor were studied more according to the text-book of fraternity, harmony, and good understanding, it would be easier of solution. Such an instance as the Warnock employes' supper last night affords of the value of felicitous relations between masters and men claims more than passing notice. It has a deeper significance than on the surface shows. Strikes would be unknown were capital and labor everywhere associated on the terms which the gathering last night exemplified and emphasized. The Warnock workmen and their employers illustrate forcibly how possible it is for capital and labor to join hands for mutual advantage; to be above hard feelings and averse to petty squabbling; to rightly appreciate the inter-dependence between men and their fellows; to bridge the social gulf that separates the wage-earner from the boss, and to promote most happily and simultaneously both business and friendly intercourse, looking to the dawn of that brighter era when shall be established the poet's ideal 'Parliament of Man — the Federation of the World.' Functions such as the Warnock employes' annual supper are amongst the most healthful and hopeful sociological signs of the times."

SHOT IS DEARER.

Owing to the increase in the cost of lead the price of shot has been increased 20 per cent. Quotations of jobbers are from 5 per cent. off list to net list, instead of 15 per cent.

THE ADVANCE IN RAIL RATES.

THE Canadian general freight agents, at a meeting held in Montreal this week, decided to do away with specific rates and agree upon a general uniform tariff. The uniform tariff has been advanced from 6 to 7 per cent., but the abolition of the specific schedules means that heavy material, particularly staple lines, such as the iron or paints and oil merchants ship most heavily, will have to pay a much heavier impost this year. In fact, the advance on such goods will range from 20 to 25 per cent., as compared with the rates imposed last year under the specific schedules. Bar iron, and all heavy iron material is affected by the change, and so are many lines handled by the paintmen, such as whiting, etc. The trade have not considered the change yet, which went into effect on November 14, in relation to prices, but it is not unlikely that it will have an important bearing on them.

IMPORTS OF METALS.

It has been generally known that Canada has been a good customer to the metal producers of Great Britain in the past year, but it is not generally recognized how greatly our purchases have grown in the past year. The British Board of Trade returns for the ten months ending October 31 show that the increases in exports of iron, steel and tin to this country have been remarkably large. These increases are as follows: pig iron, £10,000; bar iron, £6,000; railroad iron, £39,000; tinplate, £27,000; iron manufactures, £8,000; unwrought steel, £37,000. The aggregate increase is £127,000, or about $600,000. It will be noticed that the major portion of this growth is shown in the imports of raw material for manufacturers.

SOME STIFF ADVANCES IN WOODENWARE.

DURING the past summer there has been an unusually good demand for Canadian lumber, both for home consumption and for export. The cut of logs, has, however, been less than anticipated, and, as several large drives have been stuck in the rivers tributary to the Ottawa, there is at present a considerable scarcity of lumber. This has resulted in the price of all lumber being largely enhanced in value.

This advance in their raw material has resulted in the manufacturers of woodenware raising the prices of all their products. The following price list was adopted for the Provinces of Quebec, Ontario, east and south of Sudbury, and the Maritime Provinces, by the Canadian manufacturers of woodenware at a meeting held on Tuesday, this week :

	Per doz.
No. 1 2-hoop pails	$1 90
No. 2 " knotty and stained, grained	1 85
2-hoop pails, cull and knotty, no paint	1 65
No. 1 3 hoop pails	2 05
No. 2 " knotty and stained, grained	2 00
Half pails, grained	1 75
" and covers, grained	2 05
" " plain	1 90
" cull and knotty, no paint	1 60
Quarter pails, 5 or 7 lb. jam pails, grained	1 20
" " " " and covers	1 45
Quarter pails, 5 or 7 lb. jam pails, plain and covers	1 35
Toy or infant	1 05
2-hoop spice pails and covers, plain	2 10
" candy pails and covers, plain	2 70
" " " grained	2 95
3-hoop " " plain	2 95
" " " grained	3 20
No. 1 cocoanut pails and covers	2 10
No. 2 " "	2 70
No. 3 " "	3 85
No. 4 " "	4 25
No. 1 caramel pails and covers, plain	2 70
No. 1 " " grained	2 95
No. 2 " " plain	2 10
No. 2 " " grained	2 30
2 H. 20-lb. lard pails and covers, plain grained	2 20
3 H. " " " "	2 40
3 H. 28-lb " " " "	3 20
3 H. 30-lb. " " " "	3 20
3 H. 50-lb. lard tubs " "	4 50
3 H. 56-lb. " " " "	4 90
3 H. 60-lb. " " " "	5 00
3 H. 80-lb. " " " "	6 20
2 H. 50-lb. " " " cull	4 10
Sap buckets	1 65
Stable buckets	3 80
Extra covers for 20-lb. pails	40
" ½ "	35
" ¼ or 7-lb. jam pails	30
" candy and 30-lb. lard pails	50
" 50-lb. lard tubs	65
" 60-lb. "	75
" No. 1 cocoanut pails	40
" No. 2 "	50
" No. 3 "	65
" No. 4 "	75

TUBS.

Nests of 3—0, 1 and 2 per nest	$ 2 35
" 3—1, 2 and 3 "	2 00
" 4—0, 1, 2 and 3 "	2 95
" 8—1 to 8 "	3 60
" 9—0 to 8 "	4 55
No. 0 per doz.	11 00
No. 1 "	9 00
No. 2 "	8 00
No. 3 "	7 00

KEELERS.

Nests of 5—4, 5, 6, 7 and 8 per nest	$ 1 60
No. 4 per doz.	5 50
No. 5 "	4 70
No. 6 "	3 80
No. 7 "	2 75
No. 8 "	2 00

PAINT OR SHIPPING KEGS.

	Plain.	F'h'd.
1 gallon per 100	$22 00	$25 00
2 " "	28 00	32 00
3 " "	36 00	40 00
5 " "	50 00	55 00
10 " "	86 00	95 00

SYRUP KEGS.

1 gallon per 100	$22 00
2 " "	28 00
3 " "	36 00
5 " "	52 00

PICKLE KEGS.

1 gallon per 100	$22 00	$25 00
2 " "	28 00	32 00
3 " "	36 00	40 00
5 " "	50 00	55 00
10 " "	86 00	95 00

Not coated inside, $2 per 100 less.

OYSTER PAILS AND COVERS.

	Plain outside, Waxed inside.	Painted outside, Waxed inside.
3 gallon....per doz.	$ 4 00	$ 4 50
5 " "	5 20	6 00
6 " "	6 00	7 00

SPRUCE BUTTER TUBS AND COVERS.

Bound with electrically welded galvanized steel hoops.

Nests of 3—20, 30 and 50 lb per nest	$ 90
" 4—10, 20, 30 and 50 lb "	1 10
" 5—10, 20, 30, 50 and 70 lb. "	1 55
No. 5—10 lb. per doz.	2 05
No. 4—15 lb. "	2 70
No. 3—20 lb. "	3 00
No. 2—30 lb. "	3 60
No. 1—50 lb. "	4 20
No. 0—70 lb. "	5 40

EXTRA BUTTER TUB COVERS.

10 lb. per doz.	40c
15 lb. "	45c
20 lb. "	50c
30 lb. "	65c
50 lb. "	80c

Other lines of woodenware are naturally affected by the scarcity and high price of lumber. Washboards have also been affected by advances in the price of zinc. Concerning washboards, the E. B. Eddy Co., Limited, issued the following to the several branches the other day: "Again we are face to face with another advance in the price of zinc, while lumber for the sides and backs is absolutely unobtainable at any price, so we have had to withdraw prices and may have to temporarily stop the manufacture of washboards."

The following price list, which has been revised to date by the manufacturers, shows that important advances have been made all along the line in these goods :

Washboards, X per doz.	$1 70
" XX "	1 90
" Waverly "	2 10
" Planet "	2 20
" Special Globe "	2 10
" Solid Back Globe "	2 20
" Electric Duplex "	3 00

All matches have been advanced by the E. B. Eddy Co., Limited, as will be seen from the following table: Parlor, wax and safety matches are 15c., and sulphur matches 25c. per case dearer than they have been ruling.

	5-Case Lots.	Single Case.
Telegraph	$3 60	$3 90
Telephone	3 55	3 75
Tiger	3 45	3 65
Telephone (⅛ gross)	3 75	4 95
Empire (slide box)	2 25	2 35
Safety, Capital	2 80	3 00
Parlor, Eagle, 200's	1 45	1 55
" " 100's	1 65	1 75
" Victoria	2 65	2 75
" Little Comet	2 15	2 25
Flamers	2 40	2 50
" (wax stems)	3 35	3 45

Striking advances have been made in brooms during the past six weeks. Owing to a great shortage in the crop of Illinois and other broom-corn-producing States, Canadian manufacturers of brooms have had to pay heavy advances to secure supplies of broom corn.

The result has been proportionate advances in the price of brooms. Boeckh Bros. & Company are now quoting their bamboo-handle brooms as follows :

Bamboo handles, A, 4 strings, per doz.	$4 60
" " B, 4 strings, "	4 40
" " C, 3 strings, "	4 20
" " D, 3 strings, "	4 00
" " F, 3 strings, "	3 70
" " G, 3 strings, "	3 40
" " I, 3 strings. "	3 00

It will be seen from the above quotations that the advance has amounted to $1.30 to $1.35 per doz. for all grades.

A HARDWARE DISPLAY.

A window which would be a good advertisement for any hardware business is now in the store of Grafton & Co., Owen Sound, Ont. It consists of a collection of fire-arms, ancient and modern. One of the number is an old gun obtained from a resident of a nearby village. The gun has been in use for seal-hunting, and is six feet in length, the barrel measuring over four feet. As this gun is a very odd-looking instrument, as compared with modern arms, it attracts considerable attention and excites much comment. Curiosities of this nature can be secured in almost every Canadian town, and are calculated to win especial attention, while the British Empire is so intensely interested in war and firearms.

Owing to the advances that have been made in the price of agricultural wrenches by manufacturers, jobbers have reduced the discount. Formerly the discount was from 60 and 10 per cent. to 60, 10 and 10 per cent. Now it is 60 per cent.

THE BREAK IN THE PRICE OF TIN.

THE other week reference was made to the acute reaction in ingot tin. Since then values have had a still more abrupt break, falling £17 the ton in London, in the interval between November 1 and November 14. In Singapore the slump was still sharper, the price falling £19 the ton, from £142 to £123. Naturally, prices in New York have been affected by this radical change, and, though spot prices are not changed, they are apt to be at any moment, in consequence of offers of cheaper material. The October statistics also, which have been awaited, were hardly considered bearish, as they showed a decrease in the total visible supply of 869 tons, which very nearly offsets the increase in the figures of the previous month. But in considering the effect on the tin market for November, it is worthy of note that, despite the improved statistical position on October 31, the London stocks increased 1,057 tons. For the time being, also, the consumption in the United States is much diminished, and at present it does not look as though that country would draw much on London for supplies for some little time to come. The bears, therefore, are taking advantage of the condition to hammer prices. The statistical position on October 31 was reported by W. I. Russell & Co., New York, as follows:

Tin shipments.	Oct. Tons.	Sept. Tons.
Straits to London	2,350	2,100
Straits to Continent	500	400
Straits to United States	1,050	1,700
Total from Straits	3,900	4,200
Australia to London	325	200
Australia to United States	Nil	100
Total from Australia	325	300
Consumption:		
London deliveries	1,250	870
Holland deliveries	1,641	977
United States deliveries	2,500	3,000
Total	5,391	4,847
Spot stock, London	5,236	4,179
Spot stock, Holland	2,531	4,102
Spot stock, United States	2,648	3,398
Total stock	10,415	11,679
Afloat stock, London	2,860	3,019
Afloat stock, Holland	1,467	722
Afloat stock, United States	2,384	2,575
Total afloat	6,711	6,316

Total visible supply:

Oct. 31, '99, 17,126 tons.
Sept. 30, '99, 17,995 "
Oct. 31, '98, 22,918 "

Discussing the outlook, the same authority has this to say: "In view of the heavy decline in values, it is well to have in mind that the position of tin is by no means bad. On October 31, the visible supply was 17,126 tons, against 18,866 tons on January 1 and 22,918 tons one year ago. The price in London on October 31 last was £141 10s., against £83 11s. 3d. October 31, 1898. If it be admitted that the high-water mark of the rise (£150 7s. 6d. on September 28) was far beyond intrinsic value, in our opinion, there is no question that the price of a year ago was much too low, considering the heavy increase in consumption and steadily diminishing stocks. To-day, with a stock nearly 6,000 tons less than a year ago, the intrinsic value should be taken at a price commensurate with the improved position. Of course, with speculation so actively engaged in tin, it is not easy to predict to what further extent the decline may be carried. Powerful influences are at work to get the price down, and the London 'bulls' have had great inroads made into their enormous profits, which were reaped on the rise. Still, they have ample means left, and will, no doubt, when the right time comes, be inspired to their utmost effort to send prices upward again."

A GREAT COUNTRY.

RESIDENTS of Eastern Canada are being rapidly convinced of the greatness of the newer Provinces of the Dominion—Manitoba and British Columbia, and of the Northwest Territories.

Every visitor from the east to the west comes back full of enthusiasm for and praise of what he has seen, and is henceforth a firmer believer in the future of his native country.

Mr. W. H. Carrick, vice-president and manager of the Gurney Foundry Co., Limited, Toronto, has just returned from an extensive observation trip through the West. By reason of his experience in business matters, Mr. Carrick is well able to judge the commercial prospects of a new country, and his judgment of what he saw, especially in the mining regions of British Columbia, may be summed up in one word "enthusiasm."

After spending some time visiting Banff, the Glacier, and other resorts of the tourist, he visited the several towns on the C.P.R. route, including Vancouver and Victoria. From there he visited San Francisco. Coming hone, he went through the Kootenay country, where the rapid development and apppearance of permanency of Fernie, Nelson, Rossland and other places impressed him.

Fernie, which is only about fourteen months old, already boasts a population of 3,000 or 4,000. Nelson, too, though but a young town, impressed him as one of the finest towns he had ever seen. The Government regulation making eight hours a working day in the mines has unsettled conditions somewhat, as several of the mines have closed down. But most of the workingmen have work of one kind or another.

Throughout the whole of British Columbia there is great activity. New towns are springing up in all sections. This naturally is having a good effect on Victoria and Vancouver, especially the latter, which is growing with remarkable rapidity.

The hardware and other stores of the Provinces are, in Mr. Carrick's estimation, as fine buildings as are to be found anywhere in Canada. Fine brick and stone buildings are the general rule, and the furnishings are first-class.

Throughout the whole of Manitoba, British Columbia and the Northwest Territories, the feeling is bouyant and optimistic. And Mr. Carrick considers there is good reason for such feeling.

REMARK YOUR GOODS.

It would be good policy to keep all goods marked in keeping with the changes that are being continually made in the price of hardware and metals. It is a simple matter to make a change, yet the neglect may cause considerable loss.

By keeping his prices in touch with the wholesale market a hardware retailer should do a profitable business this year, whereas, if he is selling at the same basis of prices that he charged three months ago, he cannot hope to reap the benefits of the "fat years." And to keep himself and his clerks closely in touch with the wholesale market, he should remark his goods regularly.

THE VALUE OF PROMPTNESS.

I WAS looking over an agreement between two parties the other day, writes the "Hustler," in The Stoves and Hardware Reporter, and ran across this significant clause: "Time is the essence of this contract." This brief wording covered in effect a whole dictionary of meaning. It meant that if everything else was satisfactorily done the contract became void at once if it was not done on time. Thousands of dollars might be expended, months of labor might be involved, but, if the time limit set by the contract had expired, all the money and work would not bring in a cent to the party who failed, possibly through no fault of his own, to live up to the principle that time is the essence of the contract.

Some people don't know the value of time. They have so much of it on their own hands that it becomes worthless, or else they are so busy that they care nothing for the time of others. I know plenty of people who are conscientiously opposed to keeping engagements. They make them in apparent good faith and break them with the swiftest kind of ease. They put you to all sorts of trouble and annoyance, and are either very plentiful with excuses afterwards, or treat the matter as one that does not concern them at all, despite their promise, which you accepted and acted upon. So persistent is this habit with some people that they break engagements when they know that keeping them will work to their own good, and if this isn't a bad habit I don't know of any that is, and I am supposed to know a good many of them.

Putting off one's affairs is poor business, but putting off another man's affairs is a heap sight worse. The average business man meets his notes promptly and often sacrifices a great deal in order to keep up his reputation with his creditor or the bank. But the same man may very often ignore his obligations, which should be just as binding as his note, when these involve a little inconvenience or a little effort, and he often may manage to forget all about it without having anything to worry about when his attention is called to it afterwards. Granting that he is honest, he would not steal your money, but he steals your time with a cheerfulness that is maddening to those who realize that time is money.

AFRAID FOR THEIR SUPREMACY.

The business interests of the State of New York are beginning to awake to the importance of the canal system recently completed by the Canadian Government connecting Lake Erie with the Atlantic by way of the St. Lawrence river, says The Commercial Gazette, New York. The New York State Commerce Convention recently adopted a resolution to the effect that the "Erie, Oswego and Champlain canals ought to be materially improved to maintain the commercial supremacy of the State, thereby promoting the prosperity of its people."

There seems to be no doubt that the Canadian canal system, designed to accommodate vessels of 14-foot draft, will divert considerable traffic from New York City to Montreal unless something is done to counteract the tendency.

The proposition is advanced that the people of New York, instead of placing dependence upon their State canal system, should cooperate with other interests tributary to the great lakes to secure the construction by the Federal Government of a deep waterway across the State of New York connecting the lakes with the Atlantic.

SAVED HIS LABOR.

Once a workman becomes accustomed to and familiar with a labor-saving appliance, says Iron Age, he will occasionally use it in a manner bordering on the ridiculous. It may be that he will employ the device to save himself the least exertion, and it may be that he will utilize it in a task which is absolutely useless in itself. The convenience of the workman may be and often is the essential consideration, and if he can avoid a little extra exertion, he will do so in most cases. This he will do even if he has to employ a giant to do the work of a pigmy. An illustration occurred not long ago in a shop not a 1,000 miles from New York. An old helper was sweeping the floor. Directly in his path stood a machine weighing 10 tons, boxed and ready for shipping. The sweeper thought his job would be a trifle easier if that box were out of his way. He therefore asked the traveling crane operator to move it back a few feet to a clean part of the floor. He did so, and the old man proceeded with his sweeping, evidently feeling relieved that his work had been made so much easier. The sweeper had no idea that his request was at all out of the way; neither did the crane operator. The incident attracted no attention whatever, except from the manager, who chanced to see it. He said that it was the best illustration of the real value of a labor-saving machine that had ever come under his notice.

Fire did about $400 damage to bicycle tires and repair material in J. J. Miller's bicycle depot at Vancouver the other day. The origin of the fire is supposed to have been a piece of oily waste which had been thrown to one side before the shop was closed on Monday night. This must have ignited in some manner and have smouldered all night, till at length the heat caught some tindery material nearby.

A SUCCESSFUL CLERK

EVERY clerk who becomes conspicuously successful owes his success more to the fact that he has always done his best than to extraordinary ability, says The Commercial Enquirer, and no clerk however great his ability, ever won a permanent reputation for unusual ability who did his best only occasionally under the spur of flattery, in a spirit of rivalry, or in a spasm of ambition.

The clerk who does not do the best he can at all times treats himself almost as badly as he would were he to keep his brains muddled a great part of the time with rum and nicotine, and places between himself and success as formidable a barrier.

As the strength of a chain is measured by the strength of its weakest link, so the ability of a clerk is measured by the quality of his average work. If this is poor, his reputation and salary will also be poor, no matter though he now and then does work of surpassing excellence. The clerk who, knowing that he has unusual ability and has often proved it, carelessly or in a spirit of indifference does work that should shame a clerk whose services would be dear at $2 a week, and yet lays the flattering unction to his soul that he would be estimated by what he can do and has occasionally done instead of what he averages, makes a great mistake, as a writer like Kipling would should he think that because he has shown he is a literary genius he can write trash and retain the reputation he won.

It is not only a clerk's duty to his employer always to do the best work he can, whether the salary he receives is as large as it should be or not, just as it is a grocer's duty to give full weight for whatever he sells, even though he sells it below cost, but it is also his duty to himself to do so. Unless he does, he cheats his employer and robs himself. His employer's loss will be temporary, and, at the outside, only a few dollars, but his own will probably be permanent, and amount to a blighted or a ruined career.

WIRE NAILS
TACKS
WIRE
Prompt Shipments
The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

ECONOMY IN HELP.

THE wealth resultant from economy is as great only as the measure by which the would-be economist judges the object of his practice, says The Dry-goodsman.

As a stream never rises higher than its source, neither does the work of the saver rise higher than his purpose.

The question of help, always an exasperating and puzzling one to the merchant, too often resolves itself into a question of economy, and that an economy that is viewed from the rear instead of the front.

Cheap help is all that the words imply. As surely as a storekeeper does his business with cheap assistance, just so surely is he doing a cheap business, and the stamp of public judgment places him on the level where he belongs.

If there is any laborer in the world who is worthy of his hire, it is the competent fellow who measures off the wants of the populace from behind the counters. It is he who deserves the highest consideration from the man who owns the store, and it is he who, under normal conditions, can command the value of his labor.

The incompetent is never worthy of his hire and he always reflects his lack of value in the results of his labor.

The conception of economy which some merchants have is the lowest possible price at which they can obtain a good man and hold him there. The extent of appreciation which an assistant feels is placed upon his work adds doubly to the value of his labor, for he well knows whether his employer is keeping him pinched by the screws of underpay for the purpose of economy.

Cheap help is overpaid at any price, but it is seldom that the best labor receives more than its due.

The merchant who treats his help on the plane of their highest worth has the most loyal of employes about him, but the pursuer of cheap labor is always on the verge of being deserted.

The best purposes of goods selling are not subserved by making a few dollars a month out of the squeezed wages of helpers. No man gets that for which he does not render an equivalent, whether it be in the purchase of merchandise or assistance. The low-priced article of either kind is not worth more than its cost. The true economy of service, which implies the paying of value received, is the economy that wins the ultimate position in the eyes of trade, the public, and the help. It is that which makes a man, and never cheapens his character nor his business.

As true as handsome is that handsome does, so true is cheap is that cheap does.

The Force of an Argument

is always weakened if practice doesn't bear out theory. It's the use you put a thing to that tests it most; if it fails there, argument counts for nothing. It is fruitless to make big claims for paints if the man who uses them can't back you up.

For over thirty years we have had a constantly increasing business, mainly because

THE SHERWIN-WILLIAMS PAINTS

are just what we say they are. It's the USE of our paints that has sold them. Our best advertisement is the paint practically applied.

Any dealer can place entire confidence in our statements. He can be sure that what he says to his customers will be borne out when they use the goods.

The goods are RIGHT in every way. We stand back of every can of them with a reputation for right paint-making that's worth a great deal to any paint seller or paint user.

THE SHERWIN-WILLIAMS CO.
PAINT AND VARNISH MAKERS.

Canadian Division:
21 St. Antoine St.,
Montreal.

CLEVELAND.
CHICAGO.
NEW YORK.
MONTREAL.
BOSTON.
TORONTO.

POPULAR CANADIAN SKATES.

CANADIANS generally recognize the merits of many articles made at home, yet it is a matter of surprise to them when they learn that the same goods are equally appreciated on foreign markets. Yet, it is natural that Canada should excel in the manufacture of many articles.

Skates, for instance. There is no country where skating is more popular, or where skaters are more skilful than in Canada.

It is but a natural thing, therefore, that good skates should be made in Canada, and that they should be exported from here. The Starr Manufacturing Co., Limited, of Dartmouth, N.S., have for over 30 years been making skates, which have won medals at the Expositions in Paris, Philadelphia, Chicago and London, and which, besides retaining great popularity in Canada and Newfoundland, have sold largely in such markets as Great Britain, Germany, United States and Russia in competition with the world.

The oldest and best-known of this firm's skates is the "Acme," patented 33 years ago. Since this skate was first put on the market they have kept abreast of the times in every respect, and 15 different styles have been introduced, and are now regularly made, the principal of these being the "Achieved," the "Starr Club," the "Starr Hockey," the "Beaver," the "Ladies' Beaver," the "Starr Skeleton," the "Starr Racer," the "Mabel Davidson Figure Skate," the "Starr Wood-top Speed Skate," and the "Mic-Mac Hockey Skate."

The last-mentioned is the latest style to be introduced. As its name implies, it is for hockey players, and is claimed to be the fastest skate manufactured.

One natural result of the popularity to which this skate has attained has been the production of imitations of inferior quality. The genuine are, of course, stamped with the company's registered trade mark, so there is little danger that the trade will be lead to purchase the imitation for the original.

BENNETT'S SHELF-BOX PULL.

J. S. Bennett, inventor and manufacturer of Bennett's shelf box for hardware stores, which has been introduced so largely in Canada, is now putting on the market a line of shelf box pulls, made to specially suit his patent shelf box. They are being offered to the trade in solid bronze at $2.75 per gross.

The Glass Reef Gold Mining Co., of Lake Manitou, has been incorporated with $750,000 capital. Several of the provisional directors are from North Dakota.

VANCOUVER'S TRADE.

THE figures of the Customs and Inland Revenue collections for the past five years, for Vancouver, as published by The Province, present briefly a story of progress and prosperity which that paper claims is difficult to equal and utterly without fear of being surpassed in the history of Canadian cities.

The Customs duties collected show an increase of nearly 300 per cent. for the year ending June 30, 1899, as compared with the year ending June 30, 1895. For the same period the increase in the Inland Revenue returns is over 270 per cent. For the four months of the new fiscal year, ending October 31, the total collections already exceed those of the whole year of June 30, 1895. The Inland Revenue returns for the same four months are also in excess of the total of the year 1895 by over $15,000.

Returns for the fiscal year ending June 30:

	Customs Duties.	Other Revenue.	Total.
1895.....	$236,518 47	$38,119 57	$274,638 04
1896.....	301,627 38	50,751 13	352,378 91
1897.....	390,981 81	66,626 60	457,608 41
1898.....	608,253 96	59,588 60	667,842 56
1899.....	690,754 74	73,387 63	764,142 37

To show that the increase is being maintained, the following comparison of receipts of the past four months and the same four months of 1898 is given:

	1898.	1899.
July	$62,762 90	$64,210 57
August	59,314 42	86,355 89
September	58,833 47	83,815 53
October.....	57,192 80	94,579 69
	$238,103 59	$328,961 68

In the Inland Revenue Department the total collections were, for the fiscal year ending June 30:

1895.....	$ 99,333 36
1896.....	129,361 00
1897.....	174,437 41
1898.....	232,672 09
1899.....	295,157 59

For the four months, July, August, September and October, 1898, the total collections of the Inland Revenue Department, Vancouver, were $96,678.61; for the same four months of 1899 the total is $114,592.57.

A PROSPEROUS SECTION.

If any section of Ontario can show greater industrial activity than the triangle formed by Galt, Preston and Hespeler we should like to have it pointed out, says The Galt Reporter. Steadily for two years has it shown expansion. No less than seven of Galt's industries were enlarged in 1898. This year continued progress has been the feature of our manufacturing life, new buildings and enlargement of old ones betokening a state of affairs that is cause for congratulation. Preston also exhibits signs of progress as a manufacturing centre. Practically two furniture factories have been added to its industries since the opening of the year, while additions have been built to two of its biggest concerns that have a national reputation for the goods they produce. Contracts for an immense addition to the big Forbes mills in Hespeler have recently been let, and that town also exhibits evidences of prosperity.

Galt, Preston and Hespeler are so situated as to warrant the belief that each will continue along prosperous lines for many years to come. The line of diversified industries to be found within the triangle cannot be surpassed anywhere in Canada.

A FINE RETAIL STORE.

Dodd, Rogers & Co., hardware dealers, Charlottetown, P.E.I., are enlarging their already extensive premises by adding an addition of 40 ft. to the rear of their store, which makes it 160 x 30 ft. The whole establishment will have metallic ceilings, prettily tinted, and circular radiators around the pillars in the centre of the building. They also have two large storehouses for their wholesale and heavy iron departments. The one on Grafton street is a fine three-storey brick building of about 120 x 40 ft.

On November 30, Collingwood will vote on a by-law to give a $50,000 bonus to the Steel Shipyard Co., of which Capt. Wm. McDougall is the chief promoter.

PRODUCTS WANTED.

Inquiries have been received at the Canadian Government offices, London, England, as follows: A firm of export agents offer their services for the introduction of any kind of Canadian goods in the European, Indian and Australian markets.

Attention has been drawn, by a well known agent who acts for contractors supplying the War Office and other Government departments with preserved goods, to the large quantities of compressed dried vegetables now in requisition. Canadian contractors for this class of product, who are able to supply them in sufficient quantity and who desire to participate in the business, can be placed in communication with the agent in question.

A north of England firm desire to be placed in communication with Canadian timber houses open to sell large quantities of spruce wood boxes, planed and unplaned, cut to sizes and packed in bales.

The names of exporters of evaporated apples, rings, etc., are inquired for.

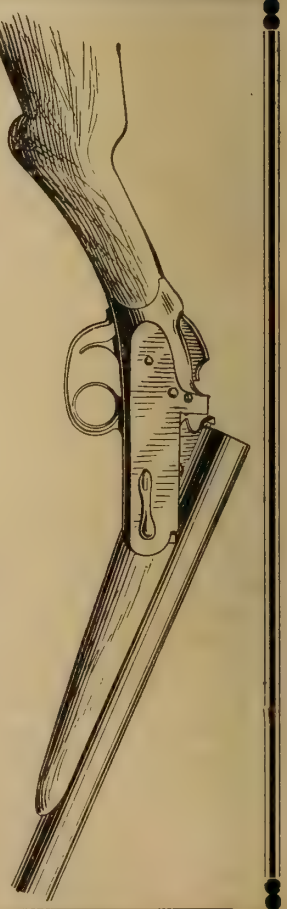
A firm of agents ask to be referred to Canadian houses exporting raw materials, wood pulp, etc.

HARDWARE AND METAL will be pleased to receive and forward to destination any answers that may be sent in by readers.

Want a Gun?

— BUY AN —

IVER JOHNSON



The IVER JOHNSON

Ejector Single Gun.

New Principle.

No Top or Side Action.

Dealers who want good reliable single guns, to be sold at moderate prices, will find the new models of the Iver Johnson, Ejector and Top Snap, just the kind for their Fall business.

WRITE FOR PRICES.

Iver Johnson's Arms & Cycle Works

FITCHBURG, MASS.

IVER JOHNSON
Guns, Revolvers, and Bicycles
are Honest Goods at Honest Prices.

BRANCHES—
NEW YORK—99 Chambers St.
BOSTON—408 Washington St.
WORCESTER—304 Main St.

H. S. HOWLAND, SONS & CO.

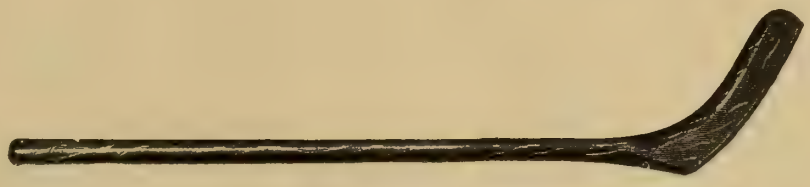
WHOLESALE ONLY

37-39 Front Street West, **Toronto.**

ONLY WHOLESALE

"Mic-Mac" Hockey Sticks.

"Mic-Mac"
Natural-Grown Crook.



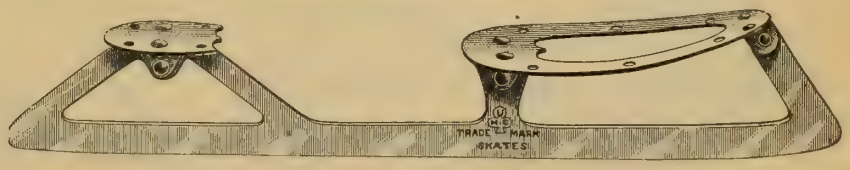
"Mic-Mac"
Natural-Grown Crook.

The "Mic-Mac" Sticks are superior to all others. They are not bent by **artificial** means, but are shaped when growing, therefore, they have a **natural** crook.

We can only procure a limited quantity of these celebrated Sticks. Orders will be filled as received.

SKATES





Hockey Pucks

REGULATION SIZE

SOLID RUBBER.

All kinds of
HOCKEY and SPRING SKATES.

WRITE FOR CATALOGUE.

H. S. HOWLAND, SONS & CO., TORONTO

LETTER ORDERS SHIPPED PROMPTLY.

Graham Wire and Cut Nails are the Best.

OUR PRICES ARE RIGHT.

MARKETS AND MARKET NOTES.

QUEBEC MARKETS.

MONTREAL, November 17, 1899.

HARDWARE.

BUSINESS in general hardware during the week has been of satisfactory volume, and a much larger turnover than for the same period last year is noted. Prices all around are steadily held, and the fact that a further advance in railway freights took effect on November 14 is likely to stengthen values still further, if anything. Wire has been quiet, but a good movement has been maintained in wire and cut nails, horsenails, horseshoes, screws, bolts and nuts. Cordage is firm but not quotably altered.

BARBED WIRE—Business is quiet and prices are unchanged at $3.40 to $3.50, as to quantity.

SMOOTH STEEL WIRE—There is little movement to report in this line, which we quote at $3 35 per 100 lb.

GALVANIZED WIRE — As last reported, values being steady. We quote as follows: Nos. 6 to 8, $3.80; No. 9, $3.25; No. 10, $3 85; No. 11, $3.95; No. 12, $3.40; No. 13, $3.55; No. 14, $4 25; No. 15, $5 25, and No. 16, $5.40.

FINE STEEL WIRE—Unchanged, with discount 12½ per cent.

BRASS AND COPPER WIRE — Steady. Discounts remain 50 and 2½ per cent. on brass and 45 and 10 per cent. on copper.

FENCE STAPLES — Quiet. We quote: Galvanized, $4.15, and bright, $3.55.

FINE STAPLES—No change. We quote: Coopers' staples, 50 per cent.; poultry netting, 45 per cent., and electrical, etc., 40 per cent. discount off list.

WIRE NAILS—The firm feeling is maintained, and inquiry is fairly brisk. Prices are held at $3.30, with miscellaneous 72½ per cent. off list.

CUT NAILS—There is a fair trade in these, with values steady on the basis of $2.60.

COPPER NAILS—Discounts 50 per cent.

FLOUR BARREL NAILS, ETC. — No change. We quote: Flour barrel, 20 per cent. and coopers' nails, 25 per cent. off list.

BOAT NAILS—Discounts are 35 per cent. off list.

GALVANIZED ROOFING NAILS—Base price 8c., with 10 per cent off list.

HORSE NAILS—The demand is fair, and stocks are light. Discounts, 50 per cent. on standard and 50 and 20 on Acadia.

HORSESHOES — There is a good business doing in these. We quote: Iron shoes, light and medium pattern, No. 2 and larger $3.70; No. 1 and smaller, $3.95; snow shoes, No. 2 and larger, $3.95; No. 1 and smaller, $4.20; X L steel shoes, new light pattern, No. 2 and larger, $4.00; No. 1and smaller, $4.25; featherweight, all sizes, Nos. 0 to 4, $5.25; and toe weight steel shoes, all forward, all sizes $6.35 f.o.b. Montreal, St. John, N.B., and Halifax, N.S. Delivered f.o.b. in Toronto, Hamilton, London and Guelph 10c. per 100 lb. extra.

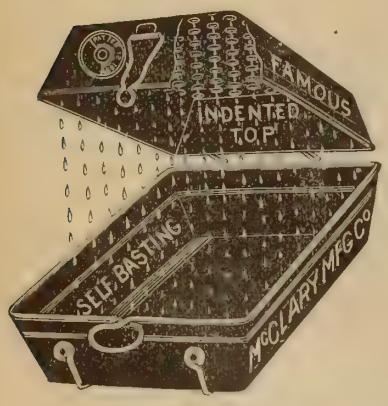
SCREWS — There is an active business doing. Discounts: Flat head, bright, 80 per cent.; round head do., 75; flat head, brass, 75; round head do., 67½.

BOLTS — A good trade is noted in bolts. Discounts: Carriage bolts, 5-16 and smaller, 50 per cent.; ⅜ and up, 50 per

...SEASONABLE GOODS...

TURKEY TIME!

Famous { SELF-BASTING } Roasting-Pan.



Keeps all the flavor in the fowl . . .

MADE IN THREE SIZES,

Nos. 20, 30, 40.

The condensed steam gathers and drops onto the fowl or meat from the indented top, keeping

The meat well basted . . .
The flavor from escaping.
Saves the danger of burning either the hands or the meat . . . . . .

THEY ARE QUICK SELLERS.

A NEW PAIL

Enamelled Dufferin Pail.

One size, No. 14.



Made with a rest or foot on the bottom that cannot wear away quickly.

Send a Sample order.

Made in Imperial Ware.

They are acid proof and are not easily chipped.

PROMPT SHIPMENTS ARE OUR AIM.

Everything for the Tinshop.

THE McCLARY MFG. CO., - London, Toronto, Montreal, Winnipeg, Vancouver.

When galvanized iron

fails or resists, in the hands

of the workman, its cost

runs into the wages account.

Apollo Iron and Steel Company
26 St Sulpice Street
Montreal

Cements { PORTLAND, ROMAN, KEENE'S

Bricks . . { FIRE, BUILDING, PAVING

Sand . . . { SILICA FIRE, MOULDING, BUILDING

F. HYDE & CO.
31 Wellington street, MONTREAL

English Castor Oil
GUARANTEED PURE.
Pharmaceutical, Tasteless, Cold Drawn
First Pressure
Second Pressure
In cases of 2 tins and in barrels. Stocked by all Hardware, Oil and Color men.
The Hull Oil Manufacturing Co.
LIMITED
B. & S.H. THOMPSON & CO.
Agents for Canada - MONTREAL

CANADA IRON FURNACE CO., Limited
Manufacturers of
CHARCOAL PIG IRON
MONTREAL.
BRAND "C.I.F." THREE RIVERS
PLANTS AT
Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.
Geo. E. Drummond,
Managing-Director and Treasurer

cent.; full square bolts, 65 per cent.; machine bolts, 52 per cent.; coach screw bolts, 65 per cent., and sleighshoe bolts, 70 per cent.

NUTS AND WASHERS—Prices are steady at the rise. We quote: Square nuts, 3½c. per lb. off list, and hexagon 4c. per lb. off list. Washers in 50-lb. boxes are 35 to 40 per cent. discount.

RIVETS — Business keeps brisk. Discounts are: Black and tinned, 45 per cent.; ditto burrs, 40 per cent.; copper rivets and burrs, 35 per cent.

CORDAGE—The firm feeling is retained. We quote as follows: Manila, 14½ to 15c. for 7 16 and up, and 15½ to 16c. for ⅜ up. Sisal, 12 to 12½c. for 7-16 and up, and 13 to 13½c. for ⅜, and up.

FIREBRICKS—There is a fairly good business in these. We quote $18 to $23 per 1,000 as to brand.

CEMENT — The scarcity of supplies leads to continued firmness in this line. We quote: Belgian, $2 to $2.30; English, $2.35 to $2 50; German, $2.50 to $2.70. Canadian brands are 30 to 50c. higher, at $2.20 to $2 40.

METALS.

Strength has been the dominant fact in the heavy iron and metal market, and the advance in "commodity" rates asked by the railroads on November 14, will have a material bearing on the price of all heavy material. There have been no actual changes in spot values, but outside iron is firmer both in the United States and Great Britain. Copper and lead have also advanced, and tin, which took a slump recently, has continued to decline, the price steadily falling since November 1.

PIG IRON—The firm feeling is maintained. It is understood that the Hamilton people have made sales at $24 cash at mills, but they are still out of the market owing to heavy contracts on hand. No. 1 Scotch iron is firm with Summerlee at $26.50 and some holders asking $27.

BAR IRON—This article is firm and prices in a jobbing way are quoted at $2.50.

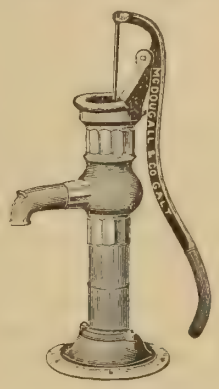
BLACK SHEETS — Unchanged as last noted. We quote: 8 and 15, $2.60; 18 and 20, $2.30; 22 and $24, $2.50; 26, $2.60, and 28, $2.65.

STEEL—Strong, with a fair inquiry. We quote: Sleighshoe, $2.80; tire, $2.85: spring, $3.10; machinery, $3.60, and toe calk, $3.30.

GALVANIZED IRON — With continued strength at primary markets values are firmly held. We quote as follows: No. 28 Queen's Head, $4.70 to $5.00, and No. 26, $4.50 to $4.75; Comet, No. 28, $4.45 to $4.70, and No. 26, $4.15 to $4.45.

INGOT COPPER—Values have advanced

STEEL
BARS, PLATES,
SHEETS, BEAMS,
ANGLES, CHANNELS,
FOR IMPORT.
We solicit your specifications.
A. C. LESLIE & CO.
MONTREAL.



IRON AND BRASS
Pumps
Force, Lift and Cistern Hand and Power.
For all duties. We can supply your wants with —quality the best and prices right. Catalogues and full information for a request.
THE R. McDOUGALL CO., Limited
Manufacturers, Galt, Canada.

ADAM HOPE & CO.
30 JOHN STREET N.
Hamilton, Ont.
GALVANIZED SHEETS
"QUEEN'S HEAD"
"COMET"
"APOLLO B B"
"JUNIATA"
STEEL SHEETS
20 to 28 Gauge
TIN PLATES
CANADA PLATES
SHEET ZINC
RUSSIA IRON

NOVA SCOTIA STEEL CO
Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
Open Hearth Steel

abroad but there is no change here from 18½ to 19c.

INGOT TIN—There has been a reaction from the easiness on outside markets, but spot prices are unaffected, and we quote 35c.

LEAD—The strength noted in this metal last week is fully maintained and prices are firmly held on the basis of $4.50.

SHOT — Firm at the rise. We quote ordinary 5½c. and double-chilled 6¼c.

LEAD PIPE—The same conditions apply and inquiry is fair. We quote ordinary 7c., and composition waste 7½c. with 15 per cent. off.

IRON PIPE — Continues firm. We quote: Black pipe, ¼ to ⅜, $3.40; ½, $3.60; ¾, $4; 1, $5.75; 1¼, $7.50; 1½, $9.75, and 2-in., $12.75.

TINPLATES—There is a good inquiry for these and quite a number of 25 and 50-box lots have been moved. Prices are firm for case lots. We quote coke, $4.50, and charcoal $4 80.

CANADA PLATES—With steadily diminishing stocks and practically none on the way values are likely to advance. We quote: 52's, $2.60; 60's, $2.70; 75's, $2.80; full polished, $3.25; galvanized Canada plates, $4.55 for 52's.

TERNE PLATE—Firm and unchanged at $8.

SWEDISH IRON—Held stiff at the recent rise—$3.75.

COIL CHAIN—Active at the advance. We quote: No. 6, 12c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-inch, $8; 5-16, $5.65; ⅜, $5.05; 7-16, $4.80; ½, $4.65; 9-16, $4.50; ⅝, $4.45; ¾, $4.40; ⅞ and 1 inch, $4.40.

JACK CHAIN—Unchanged—35 per cent. on steel and 40 per cent. on brass.

SHEET ZINC—Remains the same, at 7¼ to 7½c.

ANTIMONY—Quiet, at 11 to 12c.

SPELTER—Steady at the decline—$6.25.

GLASS.

There is a good movement in window glass, and prices are firm. We quote: First break, $2.00; second, $2.10 for 50 feet; first break, 100 feet, $3.80; second, $4.00; third, $4.50; fourth, $4.75; fifth, $5.25; sixth, $5.75, and seventh, $6.25.

PAINTS AND OILS.

The general feeling is steady and there has been a further advance of 2c. in linseed oil. This is due to the fact that ocean freights have advanced, and as several steamers have been withdrawn from the St. Lawrence route the usual fall shipments from London have been much curtailed. No further arrivals can come forward, except via Portland at St. John, which, of course, means on a winter freight basis. Turpentine is firm, and prices in the South are strong, owing to the fact that supplies there are heavily short. There has been no change in leads or paints, but the general activity in manufacturing business has kept np a good demand for paints, colors, and varnishes.

WHITE LEAD—Best brands, Government standard, $6.37½; No. 1, $6; No. 2, $5.62½; No. 3, $5.25.

DRY WHITE LEAD—$5.25 in casks; kegs, $6.

RED LEAD—Firm; casks, $4.75; in kegs, $5.

WHITE ZINC PAINT—Pure, dry, 8c.; No. 1, 6½c.; in oil, pure, 9c.; No. 1, 7½c.

PUTTY —We quote: Bulk, $1.65; bladders, in bbls., $1.80; bladders, in cases, $1.95; in tins, $2.05 to $2.30.

LINSEED OIL — Raw, 63c.; boiled, 66c., five to nine-barrels, 1c. less, ten and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—Single barrels, 77c.; two to four barrels, 76c.; five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Firm; $1.10 to $1.30 per gallon.

CASTOR OIL—Firm; 7½ to 8c.

SEAL OIL—35c.

COD OIL—32½ to 35c.

NAVAL STORES—Fair demand for all lines, and prices show no change: Resins, $2.75 to $4.50, as to brand; coal tar, $3 to $3.50; cotton waste, 4½ to 5½c. for colored, and 6 to 7½c. for white; oakum, 5½ to 6½c., and cotton oakum, 9 to 11c.

PETROLEUM.

There is no change this week, but the demand is active. We quote: "Acme," 18c., and "Silver Star," 17c. Inquiry is more active.

HIDES.

As last noted. Beef, No. 1, 10c.; No. 2, 9c., and No. 3, 8c. Lambskins, 75c. Calfskins, 11c. for No. 1 and 9c. for No. 2.

COAL.

Unchanged. We quote: Stove, $5.75; chestnut, $5.75; egg, $5.50; Scotch grate, $6; Scotch steam, $4 to $4.50; Tower ports steam, $3.50 to $3.75.

MONTREAL NOTES.

There has been an advance of 2c. in the price of linseed.

Supplies of turpentine in the South, according to advices, are short.

Railway rates on all heavy material had a further advance on November 14.

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.

'WELLINGTON' KNIFE POLISH

JOHN OAKEY & SONS, LIMITED

MANUFACTURERS OF

Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.

Wellington Mills, London, England.

Agent:

JOHN FORMAN, 644 Craig Street

MONTREAL



COVERT MFG. CO.

West Troy, N.Y.

DERBY SNAP.

With Plated Rust Proof and Guarded Spring.

"THE LATEST AND BEST."

For Sale by all Jobbers at Manufacturers' Prices.

PRIEST'S CLIPPERS

BALL BEARINGS



Largest Variety, Toilet, Hand, Electric Power

ARE THE BEST.

Highest Quality Grooming and Sheep-Shearing Machines.

WE MAKE THEM.

SEND FOR CATALOGUE TO

American Shearer Mfg. Co., Nashua, N.H., USA

COATES' CLIPPERS



HAND AND POWER, easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel, and will not heat. 1899 catalogue ready.

Coates Clipper Mfg. Co.

WORCESTER, MASS.



Pullman Sash Balance Co.

Makers of the

"Pullman" Hardware Specialties

Main Office and Works,

Rochester, N.Y., U.S.A.

On sale all round the globe.

Sizes, ⅜ and ½-inch.



Cheapest IN THE WORLD.

J. M. LITCHFIELD

105 Beekman St., New York.

Made with 1½-inch shank with thread and nut.

PERSONS addressing advertisers will kindly mention having seen their advertisement in Canadian Hardware and Metal Merchant.

ONTARIO MARKETS.

TORONTO, November 17, 1899.

HARDWARE.

THOUGH the demand is excellent for this time of year, it shows a slacking off as compared with a week ago. There is a rush of orders from points north and west of Georgian Bay and Lakes Huron and Superior, for delivery before navigation closes. The last boat is scheduled to leave for the north on November 20, but, as the weather has been moderate and open, and as there is much wheat awaiting shipment at Port Arthur and Fort William, later sailings may be made. To other points, the movement is moderate, though there is a lot of skates, sleighbells, cutlery and other seasonable stuff selling.

BARBED WIRE AND STAPLES — The movement is moderate, with prices steady. Galvanized staples and barbed wire are both firm at $3.50 f.o.b. Toronto.

SMOOTH STEEL WIRE—A fair quantity of hay-baling wire is being sold; otherwise the market is dull. The base price is unchanged at $3.35 f.o.b. factory.

GALVANIZED WIRE—Prices are nominally unaltered. Trade is quiet. We quote as follows: Nos. 6, 7, 8 gauge, $3.60; No. 9, $3.10; No. 10, $3.70; No. 11, $3.75; No. 12, $3.20; No. 13, $3.45; No. 14, $4.10; No. 15, $4.70; No. 16, $4.85.

WIRE NAILS—Though the market keeps stiff, there is no change. A good trade is being done. The price at Toronto is still $3.30 per keg for ordinary quantities and $3.22½ for carlots.

CUT NAILS — A fairly good demand keeps up. Prices are steady. The base price is unchanged at the $2.60 base f.o.b. Toronto, Hamilton and London.

HORSE NAILS—The activity continues, with prices firm, though unchanged. We quote: Standard, oval head, 50 per cent.; Acadia countersunk head, 50 and 20 per cent.

HORSESHOES — The movement keeps good, with the market firm. We quote f. o. b. Toronto, Hamilton, London and Guelph as follows: No. 2 and larger, light, medium and heavy iron shoes, $3.80; snow shoes, $4.05; light steel shoes, $4.10; featherweight shoes, all sizes, $5.35. No. 1 and smaller, light, medium and heavy iron shoes, $4.05 per keg; iron snow shoes, $4.30; light steel shoes, $4.35; featherweight steel shoes, all sizes, $5.35.

SCREWS—Prices keep steady. A good demand continues. We quote: Flat head bright, 80 per cent. off the list; round head bright, 75 per cent.; flat head brass, 75 per cent.; round head brass, 67½ per cent.; flat head bronze, 67½ per cent.; round head bronze, 62½ per cent.

BUILDERS EVERYWHERE

value the saving of time gained by using

Eastlake Shingles

GALVANIZED or PAINTED.

They afford durable protection under all weather conditions—are fire, rust and lightning proof—and can be laid quicker than any other Shingle on the market.

Their patent telescopic side-lock has been imitated, but never equalled.

With Eastlakes in stock you're certain of satisfying customers.

Write for our new quotations.



THE METALLIC ROOFING CO., Limited

1179 King St. W., TORONTO,

BOLTS AND NUTS—The demand is rather less active, but is still good. Prices are unaltered throughout. We quote as follows: Norway bolts, full square, 65 per cent.; common carriage bolts, all sizes, 50 per cent.; ditto, full square, 65 per cent.; machine bolts, all sizes, 52½ per cent.; coach screws, 65 per cent.; sleighshoe bolts, 70 per cent.; blank bolts, 52½ per cent.; bolt ends, 62½ per cent.; nuts, square, 3½c. off; nuts, hexagon, 4c. off; tapping nuts, 60 per cent.; tire bolts, 60 and 10 per cent.; stove bolts, 60 and 10 per cent.; plough bolts, 50 per cent.

RIVETS AND BURRS — Business keeps brisk. We quote: Carriage section, wagon box, rivets, etc. (steel), 60 per cent. off the list; ditto (Norway iron), 60 per cent.; black M rivets (steel), 55 per cent.; ditto (Norway iron), 45 per cent.; iron burrs, 40 per cent.; copper rivets, 35 per cent.; bifurcated, with box, $1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

WRINGERS — There is not much doing. Prices are unchanged. We quote as follows: "Leader," $60 per doz.; "Royal Canadian," $58; "Royal American," $48. Prices are all f.o.b. Toronto, Hamilton, Brockville, and Montreal. Discount, 45 per cent. Terms, four months, or 3 per cent. 30 days.

BUILDING PAPER—Prices are steady. A good demand continues. We quote: Plain building, 28c. per roll; tarred lining, 35c., according to quality; tarred roofing felt, $1.40 per 100 lb.; carpet felt, $2.75 per 100 lb.

ENAMELED WARE — The demand is quiet. Prices are firm throughout. The discounts are as follows: "Princess" ware, "Turquoise" ware, blue and white ware, and white ware, 50 per cent.; "Diamond" ware, "Famous" ware, "Premier" ware, 50 and 10 per cent.; "Granite" or "Pearl" ware, "Imperial" ware, "Crescent" ware, 50, 10 and 10 per cent.

TINWARE—There is still a brisk demand for coal hods, stove boards, oil cans, etc., at firm prices. The discount on pieced tinware is steady at 40 per cent., the basis made last week.

SAP SPOUTS—There is some trade doing, with prices firm. Bronzed are steady at $10 per 1,000.

COTTON ROPE AND TWINE—The market is steady at the recent advance of 12½ per cent.

STOVES AND FURNACES—There is still not much doing on account of the moderate weather. Prices are firm. Discounts: Stoves and ranges, 45 and 5 per cent.; furnaces, 40 and 5 per cent.; registers, 60 per cent.

SNOW SHOVELS—Prices are steady and the demand active. Steel shovels are quoted at $3.10.

BRIGHT WIRE GOODS—There is a fair demand, with the discount steady at 55 per cent.

CUTLERY—The demand is brisk. Prices are firm, though no change in quotations is noted.

SPORTING GOODS—A brisk demand for shooting goods, hockey sticks, etc., is noted.

CEMENT — Though late in the season, the demand continues large. Prices are firm. We quote in barrel lots: Canadian Portland, $2.65 to $2.90; Belgian, $3 to $3.10; English do., $3.25; Canadian hydraulic cements, $1 to $1.10;

John Bowman Hardware & Coal Co.,

LONDON, ONT.

Our Fall stock is now complete and we can supply at the best figures, **AXES, SAWS, LANTERNS, CORDAGE, CHAIN, WINDOW GLASS, PAINTS, OILS,** etc. Our importation of **CUTLERY, SKATES, ENGLISH GUNS, SHOT SHELLS, BLACK and SMOKELESS POWDER, SHOT, WADDING,** etc., now in.

Our Motto: Prompt Shipment, Right Prices.

calcined plaster, $1.90 ; asbestos cement, $2.50 per bbl.

METALS.

The business, for the season, is good. By the winter freight rates, which went into effect on Wednesday, the special commodity rates, which have been allowed for many years, have been abolished. This will make considerable difference in the price of laid-down cost of metals. As yet no change in quotations has been made by jobbers in consequence of this advance.

PIG IRON—Prices are firm ; the market active. We still quote No. 1 Hamilton at $24 f.o.b. the furnace.

BAR IRON — A good trade continues. The base price is firm at $2.35 to $2.45 per 100 lb.

GALVANIZED IRON — The advance in foreign markets is 10s. per ton for delivery before the end of the year, and £1 sterling per ton for delivery before the end of April next. Locally, the market is unchanged. English iron is quoted at $5 and American at $4.75, although in case lots both can be bought at lower prices.

BLACK SHEETS—The demand keeps good at the advance of 10c. noted last week. The price of 28 guage is steady at $3.35.

CANADA PLATES — There continues a good demand. Stocks are light. Prices are firm at last week's advances. All bright is now quoted at $3.60 ; half-polished at $3.10, and all dull at $3 per box.

PIG TIN—Prices are easier, but there is no change since last week's decline. There is a fair demand at 36c. per lb.

COPPER—A good business continues. Prices are unchanged. We quote : Ingot copper, 20 to 21c. per lb., and sheet, 23 to 23½c. per lb.

IRON PIPE—A great quantity of pipe is still moving out. Prices are firm, though unchanged. We quote : Black pipe, ¼ to ⅜ inch, $3.90 ; ½ inch, $3.90 ; ¾ inch, $4.90 ; 1 inch, $6.40 ; 1¼ inch, $8.10; 1½ inch, $10.40 ; 2 inch, $13.85; 2½ to 6 inch, discount off the list 50 per cent. Galvanized pipe is quoted as follows : ½ inch, $6.50 ; ¾ inch, $8 ; 1 inch, $11.50 ; 1¼ inch, $16; 1½ inch, $20 ; 2 inch, $28.50.

LEAD PIPE — There is not much doing. Prices are firm. We quote: Ordinary pipe, 7c., and waste, 7½c. per lb. Discount, 15 per cent.

RANGE BOILERS—There is a good trade being done. We quote: Galvanized, 30 gals., $8.50; 35 gal., $10 ; 40 gal., $11. Copper, 30 gal., $22 ; 35 gal., $26 ; 40 gal., $30 ; discount off copper boilers, 10 per cent.

SHEET ZINC—Prices are stiff at 8 to 8¼c. The demand is improving.

PIG LEAD—The demand is moderate. Last week's prices, 4¾ to 5c., are still quoted.

SPELTER — Trade is good. The market is easy at last week's decline, which made the price 7 to 7¼c. per lb.

SOLDER—Trade keeps brisk and prices firm. We quote : 21 to 22c. for half-and-half ; 20½ to 21½c. for refined, and 20 to 20½c. for wiping.

ANTIMONY — The market is featureless. We quote : Cookson's, 11 to 11½c. per lb.

PAINTS AND OILS.

Business is being steadily reduced in volume, as is natural at this season. There is a general firmness as regards price. The outside markets show advances in both turpentine and linseed oil. Locally, turpentine is unchanged, but linseed oil has advanced 1c. per gal. We quote :

WHITE LEAD—Ex Toronto, pure white lead, $6.50; No. 1, $6.12½; No. 2, $5.75; No. 3, $5.37½ ; No. 4, $5 ; dry white lead in casks, $5.75.

RED LEAD—Genuine, in casks of 560 lb., $5.00 ; ditto, in kegs of 100 lb., $5.25 to $5.50; No. 1, in casks of 560 lb., $4.75 ; ditto, kegs of 100 lb., $5.

LITHARGE AND ORANGE MINERAL—Litharge, 6 to 6½c. ; orange mineral, 7½ to 8½c.

WHITE ZINC—Genuine, French V.M., in casks, $7 to $7.25 ; Lehigh, in casks, $6.

PARIS WHITE—90c.

WHITING — 55c. per 100 lb.; Gilders' whiting, 75 to 80c.

GUM SHELLAC—In cases, 20c. ; in less than cases, 24c.

PLASTER PARIS — Ordinary, $1.75 per barrel ; New Brunswick, $2 to $2.20 per barrel.

PUMICE STONE—Powdered, $2.50 per cwt.

tion of cheap boilers, a reduction of 50c. has taken place in 30 gallon galvanized in barrels, and 4 to 5c. per lb. in less quantity ; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, $1.10 per gallon ; No 1 quality, 90c. per gallon.

SEAL OIL—54c. per gallon, and yellow seal at 45c.

CASTOR OIL—East India, in cases, 8 to 8½c. per lb. and 9 to 9½c. for single tins.

LINSEED OIL — Raw, 1 to 4 barrels, 62c.; boiled, 65c.; 5 to 9 barrels, raw, 61c.; boiled, 64c.; 10 to 15 barrels, raw, 58c.; boiled, 61c.; 16 to 30 barrels, raw, 57c.; boiled, 60c.

TURPENTINE—Single barrels, 75c.; two to four barrels, 74c., freight allowed ; in less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

OLD MATERIAL.

A brisk demand is still noted, with deliveries active. Prices are unchanged, though generally firm. Dealers are paying here : Agricultural scrap, 55c. per cwt.; machinery cast, 60c. per cwt ; stove cast scrap, 45c.; No. 1 wrought scrap, 55c. per 100 lb.; new light scrap copper, 12½c. per lb.; bottoms, 11c.; heavy copper, 15c.; light scrap brass, 7½c.; heavy yellow scrap brass, 10c.; heavy red scrap brass, 11c.; scrap lead, 2½c.; zinc, 3c ; scrap rubber, 4¾c. ; good country mixed rags, 65 to 75c.; clean dry bones, 45 to 50c per 100 lb.

GLASS.

All glass continues to move actively, as the shortage of import glass is resulting

in greatly increased demand for window glass. Prices are firm. We quote: Star, first break in 50-foot boxes, $2.15, and in 100-foot boxes, $4; double diamond under 25 united inches, $6, Toronto Hamilton and London; terms 4 months or 3 per cent. 30 days.

HIDES, SKINS AND WOOL.

HIDES — Another advance of ¼c. is made in the price of both cured and green hides, We quote: Cowhides, No. 1, 9½c.; No. 2, 8½c.; No. 3, 7½c. Steer hides are worth ½c. more. Cured hides are worth 10c.

SKINS—Sheep and lambskins have again advanced 5c. The market is generally firm. We quote: No. 1 veal, 8-lb. and up, 10c. per lb.; No. 2, 8c.; dekins, from 35 to 40c.; culls, 15 to 20c. Sheep and lambskins are selling at 85c.

WOOL — There is a good demand for pulled wool, but the expoit inquiry for fleece is excellent. We quote: Clothing wool, 17c.; combing fleece, 15½c.; unwashed, 9½ to 10c.

PETROLEUM.

A good steady business is being done. Prices are firm. We quote: Pratt's Astral, 18c. in bulk ($1 extra for barrels); American water white, 17¾c. in barrels; Photogene, 17¼c.; Sarnia water white, 16¾c. in barrels; Sarnia prime white, 15½c. in barrels.

COAL.

A stiff feeling and a good movement continues, with prices unchanged. We quote anthracite for November delivery at Buffalo and bridges: Egg, stove, and nut, $4.75 per gross ton, or $4.24 per net ton; grate, $4.50 per gross ton or $4.01 per net ton.

MARKET NOTES.

Linseed oil is 1c. per gal. dearer.

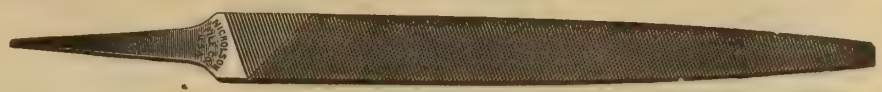
Chicago spring butts are 5 per cent. dearer.

The discount on agricultural wrenches has been reduced to 60 per cent.

Shot is now quoted from 5 per cent. off to net list. The former discount was 15 per cent.

The Ontario Lantern Co., Hamilton, Ont., have commenced operations on their new building, which is to be 93 x 40 feet, and three storeys. They expect to occupy the same about February 1 next, and they will put on the market several new lines of goods, embracing cold blast lanterns, lamps, bicycle lamps and bells, etc. Walter Grose, Montreal, is the sole selling agent for this company.

76,800 Daily Production. 5 Factories. 5 Brands.
NICHOLSON FILES
For sale all over the World.



16 Governments. 85% R.R., 70% U.S. Contracts. 70% of Total Production of America.
NICHOLSON FILE CO., PROVIDENCE, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited. Established 1773.

Manufacturers of **Polished, Silvered, Bevelled Chequered, and Rough Plate Glass.** Also of a durable, highly-polished material called **"MARBLETTE,"** suitable for Advertising Tablets, Signs, Facias, Direction Plates, Clock Faces, Mural Tablets, Tombstones, etc. This is supplied plain, embossed, or with incised gilt letters **Benders, Embossers, Brilliant Cutters, etc., etc.** Estimates and Designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow 12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address; "Glass, St. Helens." Telephone No. 68 St Helens.

CUTLERY MAY ADVANCE.

Business in the cutlery trade in Sheffield is very brisk, the cost of materials has increased, and labor is scarce, says The Hardwareman, London. Labor has been scarce any time during the past six months, because the average rate of wage paid to operatives is not a grand one, and there has been plenty of more remunerative work outdoors in connection with Sheffield's tramway and other municipal improvements. Then, again, the trouble in the Transvaal has had its effect on the labor market, and calling out of reserves and embodiment of militia have robbed the cutlery trade of about 600 workers at one fell swoop. On all this orders are still rapidly pouring in on the works, and the smart buyers will be well advised if they anticipate the general rise in cutlery prices, which at present seems inevitable.

AIR-COMPRESSING MACHINERY.

Announcement is made of the organization of the New York Air-Compressor Co. under the laws of the State of New Jersey. The capital stock of the company is $100,000, and a complete foundry and machine shop plant has been purchased on the line of the New York and Greenwood Lake railroad at Arlington, N.J. Contracts have already been let for a full modern equipment of tools.

It is intended to manufacture a complete line of air-compressing machinery at the new plant.

The officers of the company are: J. W. Duntley, president; Alexander MacKay, vice-president; W. P. Pressinger, secretary and treasurer. The New York offices of the company are at 120 Liberty street.

J. R. Morrison, general merchant, North Wakefield, Que., is opening a branch at Low, Que.

BRITISH GALVANIZED IRON.

We recently pointed out the great increase in our exportation of galvanized iron goods, says The Hardwareman, London. Our American competitors have been caught in the upward trend of raw material, and have announced a further advance of 10c. per 100 lb. There is a very brisk demand for galvanized sheets in Canada, in South America, in India, in the far East generally.

As British prices have remained more steady than American, now is our chance to cut our transatlantic cousins' trade—a trade which they only recently captured at our expense. The difficulty in Great Britain is not so much price as production.

A MATCH FACTORY.

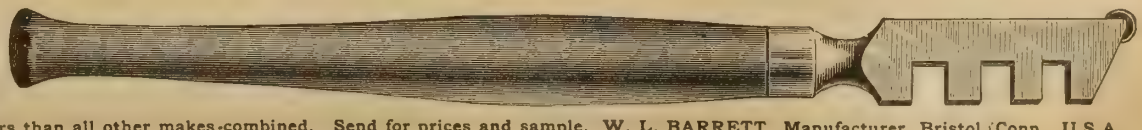
There is a possibility that a match factory may be established in Windsor, Ont. A number of substantial German capitalists of Detroit are willing to build a big match factory there, provided certain negotiations regarding a site are successful.

The proposed building will be of brick, three storeys in front and four in rear, with a frontage of 170 feet, and the industry will employ not less than 80 hands to start at once, with a certain early increase to 125, at least. The value of the building and plant will not be less than $55,000. They are asking for a fixed assessment for a term of years from Windsor.

Chas. Park, hardware dealer, Newcastle, N.B., is advertising his business for sale.

Michael Howe, general merchant and wholesale liquor dealer, Pembroke, Ont., is removing to his new premises, which he has fitted up to accommodate his ever-increasing trade.

Barrett's Glass Cutters Standard
Barrett's Practical Glass Cutters are the standard the world over.



Sold by more Hardware Dealers than all other makes combined. Send for prices and sample. W. L. BARRETT, Manufacturer, Bristol, Conn., U.S.A.

About Horse Nails

TRADE C MARK

It is a matter of considerable importance to buy or use only the best horse nails; you use them on a valuable living animal only, the foot of which requires careful treatment, and which may be ruined by the use of inferior nails. The "C" brand Horse Shoe Nails are hot-forged from the best selected Swedish charcoal steel nail rods only; the patterns and general proportions are the result of a lifetime of study and experience. We have made nothing else than Horse Shoe Nails for over thirty-four years, and claim we make the best in Canada. Every box of our "C" brand nails is warranted perfect in every respect, and, if found otherwise, may be exchanged free of any cost to the purchaser.

They are the best nails for you to sell, as you will never have any trouble in satisfying your customers with them. In ordering, state explicitly that you want the "C" brand and no other. Our name and registered trade mark (the letter "C") is on each box.

Canada Horse Nail Co., Montreal.

CREDIT MAN MISTAKEN.

THE St. Louis Inter-State Grocer tells of a credit man in that city who was caught through judging of the depth of a man's purse by the clothes he wore. A Kansas country merchant went into a wholesale house and selected an $8,000 stock of goods, when he was introduced to the credit man, who at once asked the unpretentious merchant what terms he wanted.

"Well," replied the customer, "down in our country we always pay after harvest."

He was reminded that harvest was past, and, of course, he couldn't mean after the next harvest in 1900.

"Well," says the merchant, "that's when my people will pay me."

He was told that the house couldn't think of any such thing, as 90 days was the very best they could do, and even at that wanted to know many things about the visitor's prospects.

"How much discount if I pay in 60 days?"

The credit man quoted the terms.

"How much in 30 days?"

The discount was mentioned.

"How much for cash?"

"Spot cash—money down?"

"Yes; currency."

It was a wild question. The credit man knew (or thought he knew) he had no chance to get $8,000 out of that man, and he quoted a beautiful discount.

"Well, receipt the bill," was the buyer's rejoinder. And out from the folds of a $3 suit of clothes he dragged enough money to buy a yacht and run it all summer. He didn't put on much style, but he figures that he saved the expenses of his trip. It may be true that clothes make the man, but they don't always gauge the money.

MONEY IN DEMAND.

The demand for money at various points in the Dominion has increased to such an extent the past month or two that the banks have been obliged to advance their rates of interest. In Toronto, following the example of the Montreal banks, the call loan rate was advanced to 6 per cent., and the brokers, in some cases, are now charging their clients 7 per cent. Every department of trade is showing unprecedented activity, and the general desire to extend business has resulted in an abnormal demand for funds. The banks are now doing a prosperious business. The semi-annual statement of the Bank of Montreal shows net earnings of $658,161, being an increase of $29,042 over the corresponding six months last year. The half-year just ended was the best in the history of the bank.

CAN WE HOPE FOR PREFERENCE?

An increase of 22 per cent. in the exports of British and Irish produce to Canada during the last fiscal year, as compared with 1897, is by no means an unsatisfactory position, and one, doubtless, largely the result of the preferential tariff which came into full operation in August, 1898. To make this point conclusive, however, it would be necessary to have statistics for the same period of the imports of similar classes of goods from the United States, Germany, France and other countries not on a preferential basis. There seems to be a lull in the preferential tariff movement throughout the Empire, the Imperial authorities having evidently come to the conclusion that in view of the wide ramifications of British trade with foreign countries, the movement is one which must come from the colonies themselves. It is one thing to accept such a tariff from a colony, and quite another to ask or agitate for it from this side.—The British Trade Journal.

The large business block owned and occupied by A. A. Wright & Co., general merchants, etc., Renfrew, Ont., was gutted by fire on Friday last. The loss on building and stock is estimated at between $40,000 and $50,000; insurance from $15,000 to $20,000.

Quality

Is the quality of your printing, of your stationery, of your booklets, catalogues, etc., just what it should be? It pays to have all these business aids gotten up in the very best style. We make "quality" our guiding star, and we firmly believe that you will be thoroughly satisfied with any printing you may have us do for you.

Drop us a line when you are going to have anything printed, and we will be pleased to quote you our prices.

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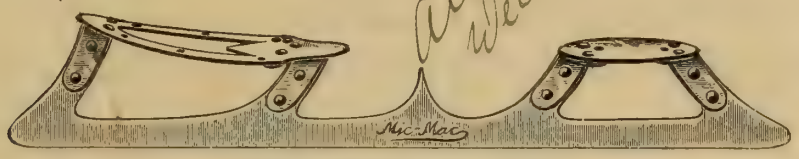
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THE ACKNOWLEDGED STANDARD OF THE WORLD.

IMITATED BUT NEVER EQUALLED.

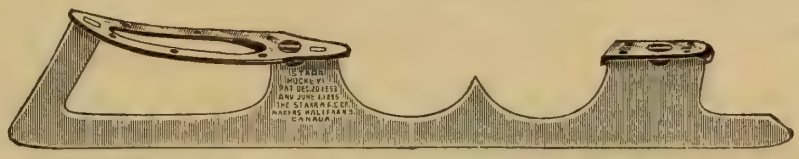
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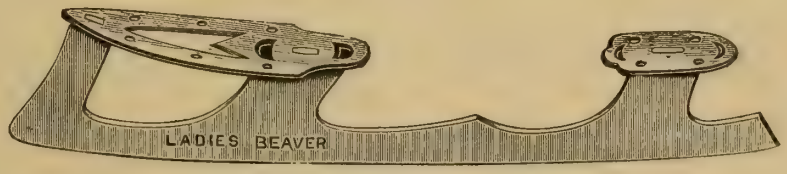
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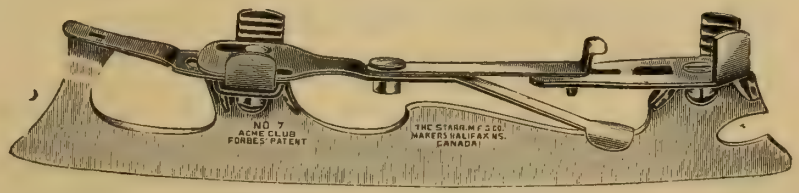
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Tops tested to a breaking strain of 1,100 lbs.



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The Dainty Ladies' Beaver.



The Genuine ACME.

SEE that our NAME is plainly stamped on all Blades of Skates.

Beware of Imitations.

The Starr Manufacturing Co.

ESTABLISHED 1868. LIMITED.

Halifax, Nova Scotia CANADA.

HAD SUPPER TOGETHER.

ON Friday evening last, Galt, Ont., held a scene which was a credit to the town and the participants in it; a scene that might well be more often repeated in Canada.

It was in the Polson banqueting hall, when James Warnock & Co., employers and employes had supper and a good social time together.

For more than a year this firm have been working overtime until 9 or 10 o'clock every night, in order to fill the heavy orders for their product that the trade has been giving them.

Most cordial relations exist between men and masters, so it was natural they should celebrate together the prosperity that has been their lot.

The chairman of the evening was Geo. Fairgrieve, superintendent of the works; the vice-chairman, J. W. Porteous.

After a most enjoyable supper, the chairman proposed the toast of "The Queen," and in a short address expressed pleasure at seeing the whole company gathered together in a social, brotherly way, and his wish that the affair should be an annual one. The heartiness with which all responded to the toast to the Queen showed what a sturdy, patriotic body of men were present. The following was the

TOAST LIST:

"The Queen."

Address.....Geo. Fairgrieve
Solo.....B. Warnock

"James Warnock & Co."
Responded to by F. H. Hayhurst.

Solo..... Chas. Brett
Address on "Anatomy."..... Geo. Landreth
Solo..... R. T. Kelley

"The Manchester of Canada."
E. Roelofson and J. W. Porteous.

Duet..... Messrs Halberstadt and McFarlane
Presentation of a tuning fork to ..... J. St. Clair

"Our Manager."
F. H. Hayhurst.

Solo.....D. Keith
Address ....."The War".....J. St. Clair
Instrumental duet..... { Jos. Halberstadt / R. T. Kelley

"The Ladies."
D. Keith, E. Roelofson.

"The Hoysters."
Ed. Brett, Fred. Levett, Sr.

Trio.....C. Stokely, H. and J. St. Clair

"The Bachelors."
Messrs. Gorman and Blyth.

"The Press."
A. G. Donaldson and R. K. Mearns.

F. H. Hayhurst, manager of the company, in his reply to the toast to James Warnock & Co., touched on the popularity that the products of the works had attained throughout the country, and for this gave credit to all engaged in their production. He claimed that the interests of employers and employes were mutual, and urged all to remember that good work was the surest means of holding and augmenting the prosperity and patronage accorded to them in the past. He closed with a patriotic declaration of loyalty to his town, country, Empire, Queen and flag, which was enthusiastically applauded.

Many of the employes who were present have been with Warnock & Co. for more than a score of years. Thirteen of them have been in the firm's service a total of 355 years.

THE DRUMMER.

The drummer has an EZ way
When he SA's to sell;
He spreads before you an RA
Of samples that XL.

Then talks and talks with NRG
Until you DZ grow,
And, feeling he's your NME,
An IC manner show.

You say you don't want NE thing;
No PT he displays,
Then, getting mad, say UL fling
Him out KC stays.

He'll SQ then to take a "smile,"
And tell HS nut tale,
And thus LA your anger while
In PC makes a sale.

If you should GK place to hide
With glee he'll CQ too,
And when at EV leaves your side
He's sold his goods—&U.

A drummer cannot see a snub,
And will XQ's a kick,
Like YZ does'nt fear a club,
And to UE will stick. —Ex.

HOCKEY STICKS.

Genuine excellence is a necessary qualification to secure a lasting reputation in sporting goods, for the "sport" is a thorough critic. So it is a good testimony to the quality of the hockey stick known as the "Mic-Mac" to state that hockey clubs throughout the country are generally acquainted with, and generous buyers of, it. This stick is ingeniously made, the crook being formed by bending the growing tree to the proper shape. The advantages of this stick over the steam-bent one are obvious. As it is made from wood grown near salt water, it is particularly tough and hard to break. The John Griffith Corporation handled these sticks while they were in business in Canada. This winter, the Canadian agency has been given to H. S. Howland, Sons & Co., Toronto. As, however, the production is necessarily limited, owing to the difficulty of bending the sticks in this way, only a limited number can be offered to the Canadian trade. Dealers who have a first-class hockey trade should place their orders early.

TRADE CHAT.

AN American company has taken an option for $15,000 on Mr. Deziel's mica mine near Hull, Que., situated on lots 20, 21 and 22 of the 5th range of Denholm.

Thos. Craig, general merchant, Ridgetown, Ont., who was burned out a few weeks ago, reopened last Saturday with a big clearing sale of salvage stock.

W. H. Frost proprietor of The Malleable Iron Works, Smith's Falls, Ont., has broken ground for a large extension to his premises, as he is now unable to fill many orders.

W. S. Newsome, general merchant, Centreville, P.E.I., has sold out his business to Will Bowness and Thomas Hodgson. Mr. Newsome contemplates removing to Sydney, C.B.

On Sunday morning, Wm. B. Kellett's general store and building, with their contents, in Essex, Ont., were destroyed by fire. His loss is estimated at $6,500. There is $3,000 insurance.

The cargo of the ss. Miowera, which arrived at Vancouver from Sydney, Australia, included 588 packages of meats, 29 packages of fruit, 1,850 cases mutton, 457 beer kegs, 105 bales skins, 10,000 bags sugar, and 555 bags hides.

The several businesses of Huestis & Mills, George H. White, and S. H. White & Co., general merchants, Sussex, N.B., have been taken over by The Sussex, N.B., Mercantile Co., Limited. The company is now seeking incorporation.

A burglar entered Horatio Graham's store at Murray Harbor South, P.E.I., on Tuesday night last week, and stole $60 from the cash box. A few nights previous, Thomas L. Cook's store at Murray River was entered and a quantity of goods stolen.

A FINE HARDWARE STORE.

A. M. Rowan, hardware dealer, St. John, N.B., is now settled in his new and handsome store on Main street, and keeps a very large stock of hardware and builders' materials. Mr. Rowan had a new block built during this spring. He occupies one of the stores for his own business, and specially fitted it up for his large and extensive trade, and rents the two other stores. The building is three storeys high, red brick and stone facings, and adds greatly to this part of the city, especially after the big fire in this locality of Indiantown district last spring. His clerks are very clever at decorating, having made a wheel, shaped up with brushes of various kinds, and a star of saws and axes. Both are very striking in appearance and good trade mottoes.

EDDY'S WRAPPING PAPERS

possess a peculiar toughness adapting them for the HARDWARE TRADE.

The long fibre we make them of is responsible for this.

SEND FOR A SAMPLE ORDER

PRINTED or UNPRINTED.

The E. B. EDDY CO., Limited

Hull, Montreal, Toronto, Quebec, Hamilton, Kingston, St. John, Halifax, Winnipeg, Victoria, Vancouver, St. John's, Nfld.

THE FALL TRADE

To secure thoroughly reliable goods send your orders for

Ready-Mixed House and Floor Paints,
Varnishes, Japans, Coach Colors,
White Lead, Colored Paints, Enamels,
Wood Stains, Wall Tints, Putty, etc.

To **Henderson & Potts,** NOVA SCOTIA PAINT AND VARNISH WORKS,

HALIFAX, and 747 Craig St., MONTREAL.

Sole Agents for the Dominion for **Brandram's Celebrated White Lead.**

MANITOBA MARKETS.

WINNIPEG, November 13, 1899.

THE McCLARY MANUF'G CO. are now installed in their fine new warehouse on Bannatyne street east, backing on the transfer railway. The building is 50 x 135 feet, four storeys and basement. The materials are native stone and white brick. The heating is a combination of hot water and hot air that gives a most delightfully even temperature. A fine electric elevator unites the various floors. The basement, which has an unusually thick cement floor, is devoted to castings and furnaces. The ground floor is for stoves and heavy goods. This floor has a front delivery door for sending out goods to the city, and two large doors in the rear for delivering from and shipping direct to the railway. On the second floor are the offices, a handsome suite of rooms finished in British Columbian whitewood, shellacked and varnished. There is every modern convenience for the prosecution of office work. In the rear of the offices, and divided from them by glass partitions, is the showroom, and, in the rear of that, again, a large and convenient packing and shipping-room. The third floor contains the enameled ware and stamped ware, and the fourth, tinware, sheet iron ware and light goods of all kinds. The warehouse is one of the most complete and convenient of the many fine warehouses erected in Winnipeg this season.

All hardware people are busy just now getting in stock to last until navigation opens in the spring. Cars and cars of hardware freight are being daily unloaded.

Business is reported exceptionally good.

A few changes in price have occurred during the week, noticeably an advance in bar iron and bolts.

Prices are as follows :

Barbed wire, 100 lb	$3 75
Plain twist	3 75
Staples	4 25
Oiled annealed wire, 10	4 02
" 11	4 09
" 12	4 15
" 13	4 30
" 14	4 42
" 15	4 55
Wire nails, 30 to 60 dy, keg	3 80
" 16 and 20	3 85
" 10	3 90
" 8	3 95
" 6	4 10
" 4	4 15
" 3	4 20
Cut nails, 30 to 60 dy.	3 15
" 20 to 40	3 20
" 10 to 16	3 25
" 8	3 30
" 6	3 35
" 4	3 65
" 3	3 90
" 3 fine	4 20
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No 1	4 70
No. 2 and larger	4 45
Snow shoes, No. 0 to No. 1	4 95
No. 2 and larger	4 70
Steel, No. 0 to No. 1	5 00
No. 2 and larger	4 75

Bar and band iron, $3.00 basis.

Swedish iron, $5 basis.

Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 20 gauge, 100 lb.	3 50
20 to 26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 gauge	4 25
18 to 22 gauge	4 50
24 gauge	4 75
26 gauge	5 00
28 gauge	5 25
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 55
26 gauge	8 80
28 gauge	8 00
Tinplate, IC charcoal, 20 x 28, box	10 50
" IX "	12 50
" IXX "	14 50
Ingot tin	38
Canada plate, 18 x 21 and 18 x 24	3 35
Sheet zinc, cask lots, 100 lb	9 00
Broken lots	9 50
Pig lead, 100 lb	4 50
Wrought pipe, black up to 2 inch	50 p.c.
" Over 2 inch	45 p.c.
Rope, sisal, 7-16 and larger	13 50
" ⅜	14 00
" ¼ and 5-16	14 50
Manila, 7-16 and larger	16 00
" ⅜	16 50
" ¼ and 5-16	17 00
Solder	23
Cotton rope, all sizes, lb.	16
Axes, per box	$6.00 to 8 00
Screws, flat head, iron, bright	75 and 10 p.c.
Round " "	70 p.c.
Flat " brass	70 p.c.
Round " "	60 and 5 p.c.
Coach	57½ p.c.
Bolts, carriage 5-16 and smaller	42½ p.c.
⅜ and larger	37½ p.c.
Machine	45 p.c.
Tire	55 p.c.
Sleigh shoe	65 p.c.
Plough	40 p.c.
Rivets, iron	37½ p.c.
Copper, No. 8, lb	33½ c.
Spades and shovels	40 p.c.
Harvest tools	50, 10 and 5 p.c.
Axe handles, turned, s. g. hickory, doz.	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 65
No. 1	1 25
Linseed oil, raw, per gal	62
" boiled "	65
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	40 p.c.
C.F. pistol	10 p.c.
C.F. military	Net.
Loaded shells, Robin Hood, M	$20 00
Eley's soft, 12 gauge	15 00
chilled, 12 guage	16 50
soft, 10 guage	20 00
chilled, 10 guage	21 00
American, M	16 25
Shot, Ordinary, per 100 lb	5 25
Chilled	5 75
Powder, F.F., keg	4 75
F.F.G.	5 00
Robin Hood	10 00
Tinware, pressed, retinned	70 and 2½ p.c.
" " plain	70 and 15 p.c.
Graniteware, according to quality	60 p.c.
Turpentine, by barrel	81c.
Less than barrel	86c.

ENLARGING THEIR FACTORY.

The Globe File Manufacturing Co., of Port Hope, are just adding a large two-storey building to their already extensive plant, to enable them to supply the steadily increasing demand for their goods, and expect to have such facilities, with the commencement of 1900, as will enable them to increase their output fully 50 per cent., and employ an increased number of hands. "Globe" files and rasps are not only being sold from Victoria to Halifax, but they are exported to foreign countries. This industry was started in Montreal in 1868.

GENIALITY IN BUSINESS.

Geniality is a characteristic which is absolutely necessary to make a success of the retail hardware business, says a writer in an exchange. If a dealer or clerk hasn't this virtue naturally, he should acquire it. Even if you are feeling "out of sorts" or "down in the mouth," you should assume a front of affability when a customer comes in. Some salesmen seem to think that if they simply answer direct questions or comply promptly with the request of a purchaser they are doing their duty in full. But the customer expects more than this. He likes the salesman to evince an interest in him and appear anxious to please him.

It is just as easy to speak in a pleasant tone of voice as it is to growl ; it is just as easy to smile across the counter as it is to frown. Even if you are one of those pompous individuals who prides himself on being a "man of few words," you can speak those few words pleasantly and liesurely, with as little effort as it would to spit them out or bite them off.

I know a man who not only owns one of the most popular stores in his city, but is head of a prosperous manufacturing company. He is a man of wealth and refinement, and his social surroundings are the best. I have seen this gentleman stand behind the counter in his store and display the utmost courtesy and affability in selling a hod-carrier a plug of chewing tobacco. I believe it is the secret of his business success. There should be no room behind the counter for the grumpy man.

RIGHTEOUS INDIGNATION.

Editor HARDWARE AND METAL,—I have just read HARDWARE AND METAL, and note what one of your staff says about his friend having had a sleigh ride in Manitoba only a short time since. If he will look up the Toronto papers of about October 1 he may, if he is real smart, see something about six inches of snow in London. It would be no great feat to have a sleigh ride on less than two inches of snow, and if your staff wanted a sleigh ride, why didn't they go to London?

Of course this aint Manitoba, and London aint Toronto, but I'll bet a string team to a jack rabbit, that we have had more summer-like days in the past month right in this neighborhood than you have had in Toronto within two miles of that big city hall you have built and not paid for yet.

Yours truly,

"ALKALI PETE."

Medicine Hat, N.W.T., Nov. 7, 1899.

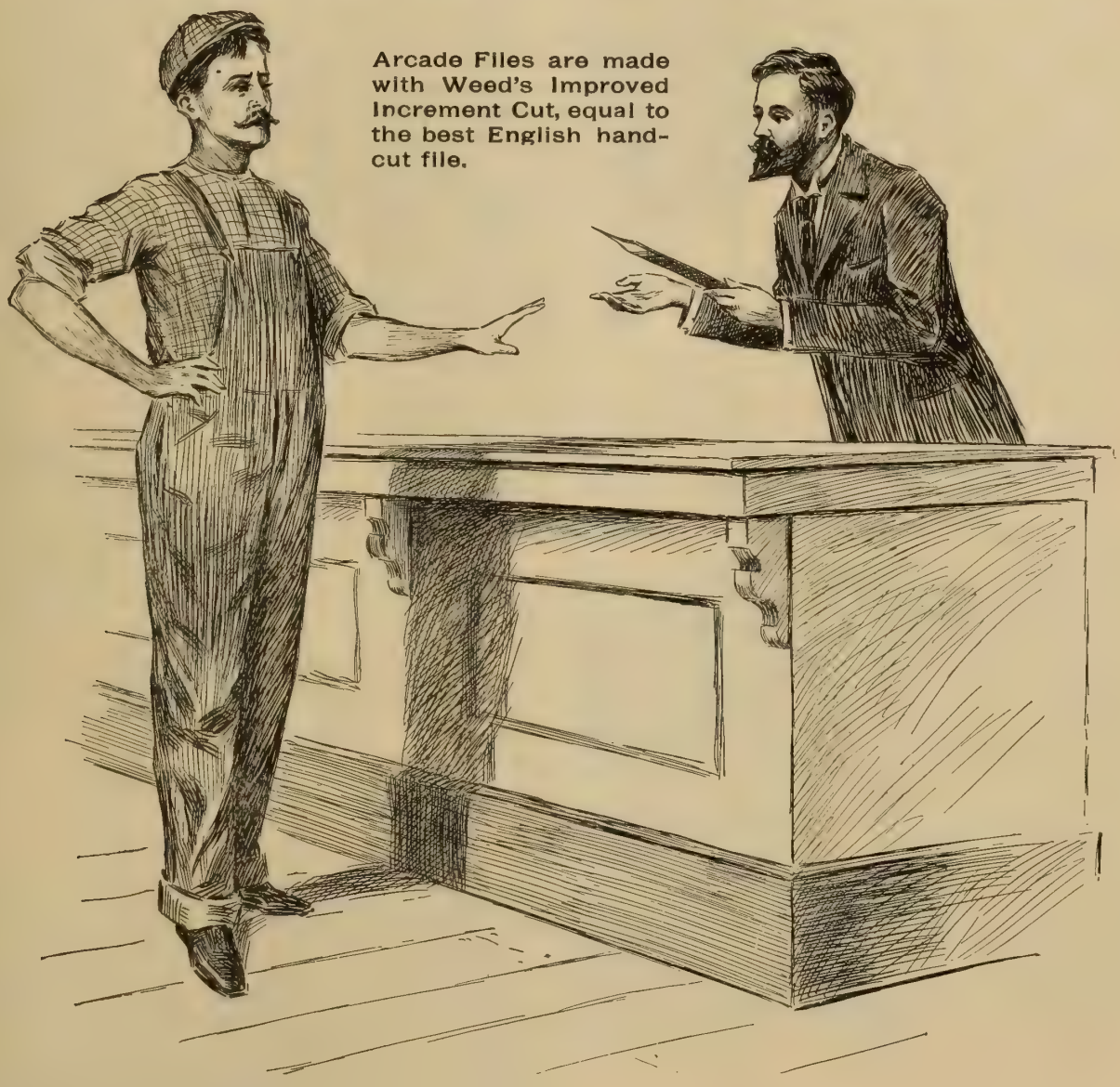
P.S.—I'll extend the time to any year in the past 20. PETE.

The WORLD'S GREATEST FILE WORKS

ESTABLISHED 1842.

There is no other file "just as good."

THE ARCADE IS THE BEST



Arcade Files are made with Weed's Improved Increment Cut, equal to the best English hand-cut file.

"I want an ARCADE file."
"We are all out of ARCADE files. Try this; it is just as good."
"No, Sir. I want the ARCADE. It cuts faster and wears longer than any other file made."

NEW YORK:
97 Chambers St.
SAMUEL W. ALLERTON,
President.

THE ARCADE FILE WORKS

Works: ANDERSON, IND.
COURTLANDT C. CLARKE,
Sec. and Treas.

CHICAGO:
118 Lake Street.
ALFRED WEED,
Vice-President and Gen'l Mgr.

ANTICIPATED LUMBER CUT.

LUMBERING operations on the St. Croix and Magaguadavic rivers will be carried on this season much more extensively than for several years past. Brooks have been cleared out and dams built in many directions. On the St. Croix the cut will be about 40,000,000, as compared with 25,000,000 last year. Of this H. F. Eaton & Sons will cut 17,000,000 or 18 000,000 ; James Murchie & Sons 10,000,000 or 12,000,000 ; F. H. Todd & Sons, 8 000,000 or 10,000,000 ; G. Chase, of Baring, 2,000,000, and F. Mercere & Sons, of Princeton, 1,000,000 Spence & McMorran have a contract with the Todds to operate on North Brook. C. F. Keith will cut 2,000,000 on Main Tomah for the Eatons ; Thos. Hill will cut 1,500,000 for the Eatons on Little Tomah ; Gideon Moores will cut 1,500,000 on Ox Brook for the Eatons ; F. Mercier & Sons will cut 1,500,000 on Main Tomah for the Todds ; Geo. Bubaer will cut 1,500,000 on Monument Brook and Grand Lake for the Eatons ; D. T. Belmore 1,000,000 on Dobsis Lake for the Murchies. Several small concerns will haul about 1,500,000 into Scott Brook for the Todds. About 2,000,000 logs will be carried by cars to Milltown for the Murchies. F. H. Todd & Sons have cleared Scott Brook from Lambert Lake out, have cleared North Brook and built a number of dams. H. F. Eaton & Sons have cleared Main Tomah and Ox Brook, and have built several dams. On the Magaguadvic, Moore & Howe have contracted for 10,000,000 feet. They expect to put a portable mill in at Red Rock or Utopia and will get out 1,000,000 of hardwood deal. David Johnson has a large contract with this concern.

John Dewar & Sons will cut 5,000,000 or 6,000,000, as compared with 2,000,000 last year.—St. John Sun.

SHEFFIELD CUTLERY IN CANADA.

Sheffield, it is said, has been recently doing an increased business with Canada. Under the new arrangement which the Laurier Cabinet brought about, English goods are admitted at a tariff 25 per cent. below that on German wares. That is one factor that makes for success in British business with our oldest colony. But that is not the only one. The representatives of Sheffield cutlery houses who have returned from Canada state that they were exceedingly pleased to find that everywhere they found a preference to purchase English goods, instead of German, American or French. Of all the three rivals, the Germans have been most energetic and successful in their efforts to obtain a firm footing in Canada, but the preferential tariff, combined with the loyal feeling of the people, has practically baffled their efforts, with the result that many British manufacturers now are convinced that, so long as they send out reliable goods at as narrow a profit as they can afford, the Canadian trade will get increasingly important.—Ironmonger, London.

NEW ENAMELED PAIL.

The McClary Manufacturing Co., London, Ont., are now making a new enameled pail in their "Imperial," or grey coated-ware.



As may be seen by the accompanying cut, this pail is of the same style as the "Dufferin" pattern, having a foot or rest extending half an inch below the main bottom, protecting it from injury when set on a rough surface.

The McClary Co. are making it in one size only, No. 14, and in but one grade, "Imperial."

"IRONMONGER" TO THE FRONT.

Although I am as familiar with the word "ironmonger" as I am with my own name, and by dint of long association can detect quite a musical ring in the dithyrambic designation when uttered by a trained elocutionist, I confess that it never occurred to me that the word was a suitable one for applying to a horse, writes "Vulcan" in The Ironmonger, London. That, however, is not the opinion of Sir Redvers Buller, inasmuch as one of the two chargers which the gallant officer is taking out to South Africa rejoices in the sobriquet of "Ironmonger." Possibly the General may have hit upon the term as being the equivalent of that "Hard Wear" which the steed is destined to undergo should this unhappy strife be unduly prolonged.

PATENT REPORT.

Below will be found a list of patents recently granted by the Canadian Government through Marion & Marion, solicitors of patents and experts, New York Life building, Montreal: 64676, Henry James Bickle, Gladstone, Man., cattle guards for railroad crossings ; 64698, Daniel Ferguson, Springhill, N.S., process of canning mashed potatoes ; 64758, David Roy, Que., rake ; 64759, J. B. Hogue, Montreal, Que., sofa bed ; 64764, James Wilson, Glen Cross, Man., hay loader ; 64,756, Jos. Victor Monfette, Ste. Sophie de Levrard, Que., device for handling stones ; 64798, V. Lebault and A. Dorais, St. Laurent, County Jacques Cartier, acetylene gas generator.

THE BRITISH BICYCLE TRADE.

According to a writer in The Cycle Trader, a reliable British bicycle trade paper, the reaction from the boom in bicycle making in Britain has been a hard blow to those interested in many of the heavily-capitalized bicycle concerns in the Mother Country. He writes : "By going over the list of cycle companies promoted during the years 1896 and 1897 and dissecting the companies defunct, companies in liquidation, companies reconstructed, and companies regarding which nothing has been heard since they were promoted, have made a rough estimate of the total capital which has been lost in the graveyard of the "boom." The figures I have arrived at may be taken as much below the actual mark, as my object has been to arrive at a fair computation of the extent to which the trade has been lightened of its burden of capitalization I find that forty companies are dead beyond recall. The nominal capital of these amounted to nearly £3,500,000, and the issued capital to about £2,750,000. There are a dozen companies at present in liquidation, with a total nominal capitalization of over £2,500,000, and an issued capital of over £2,250,000. In this, of course, is included the Amalgamated Tyre Co.'s, Limited. The list of reconstructed companies represents a total nominal capital of over £1,500,000 and the issued capital about £1,100,000. The difference between the original and reconstructed capital is nearly £700,000. There are about half-a-dozen companies regarding which we have heard nothing since their formation, the nominal capital of which amounts to over £500,000, and the issue capital nearly £350,000."

LEAD AND YACHT RACING.

Yacht owners are usually regarded as people to whom money is no consideration, the ability to own and sail a craft of this description being, in the view of the toiling millions, a luxury which only a plutocrat can indulge in, says a writer in Ironmonger. It is, therefore, not a little surprising to hear that the rise in the value of lead should have checked the building of racing boats. The metal is certainly just now at a phenomenally high figure, and, although a considerable quantity is required for the heavy keels which are the vogue, I should hardly have thought an item of this kind would have adversely influenced yacht-building to the extent it is alleged to have done.

Michael Howe, general merchant and wholesale liquor dealer, Pembroke, Ont., is removing to his new premises, which he has fitted up to accommodate his ever-increasing trade.

Standard Steel Toe Calks



Sizes of Blunt :



WRITE FOR DISCOUNTS.





Sizes of Sharp Calks below for Fall of 1899 :

NO.	LENGTH.	SIZE.
0	1½ inch	3/8 x 5/16
1	1½ "	1/2 x 5/16
2	1¾ "	9/16 x 3/8
3	2 "	5/8 x 3/8
4	2¼ inch	3/4 x 3/8
5	2½ "	3/4 x 3/8
6	2¾ "	7/8 x 7/16
7	3 "	7/8 x 7/16

Price, $1.25 per box of 25 lbs. in bulk.
Or 24 lbs. in 4-lb. packages.

NO.	LENGTH.	SIZE.
0	1½ inch	9/16 x 3/8
1	1¾ "	9/16 x 3/8
2	2 "	11/16 x 7/16
3	2¼ "	3/4 x 1/2
4	2½ inch	3/4 x 1/2
5	2¾ "	15/16 x 9/16
6	3 "	15/16 x 9/16

Price, $1.50 per box of 25 lbs. in bulk.
Or 24 lbs. in 4-lb. packages.

JAMES PENDER & CO., Limited, Sole Mfrs. **Saint John, N. B., Canada.**



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Cloth and Paper.
Glass and Flint Paper.
"Atlas" Brand

"FLORA" Knife Polish, in 3d., 6d. and 1/ tins

Ground, Washed and Flour.

WHEELS of highest quality for general and special purposes.

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Agent in Canada—MR. T. L. PATON, 30 St. Francois Xavier Street, Montreal, P. O. Box 903.

DARK DAYS ARE COMING
—AND—
YOUR STORE IS GLOOMY.

Buy Luxfer Prisms and tempt new customers in—by making your store airy, cheerful and bright. . . . . .



EATON'S—WITH LUXFER PRISM WINDOWS.



EATON'S—WITH OLD-FASHIONED GLASS.

LUXFER PRISMS ARE NO FAD.

Their popularity is due to the economy effected in artificial light. Dollars and cents do our pleading.

WRITE TO

Luxfer Prism Co., Limited
98-100 King St. West, TORONTO.

HEATING AND PLUMBING

HOT-AIR REGISTERS.

WHEN registers are located near inside walls, less pipe is necessary, and a sharper pitch may be obtained than when they are placed near outer walls, writes "S.R.B." in The Metal Worker. On the other hand, the loss of heat through the ceiling will be greater. This is of little consequence, except on top floors. When possible, registers should be located about midway of partition to permit the warm air to reach all points along the exposed walls with nearly equal ease. The rapid circulation caused by the downward currents along the cool outside walls, coupled with the upward current of inflowing air from the register near inner wall, gives an even temperature throughout the room. The current of hot air is flattened on striking the ceiling, and passes without perceptible draft over the heads of the occupants to the outer walls. In effect, this is similar to that produced by the overhead system of heating mills, where coils of steam pipes are hung from the ceiling a few feet from the exposed walls. Even when there are no machines or belts to stir up the air, this system works well.

Following the same theory of circulation, it is the established custom in schoolhouses to place the warm air inlets on inside walls. Those advocating the placing of registers near outer walls may refer to the practice of so locating them in indirect steam and hot-water work. This is done, however, chiefly from considerations of economy in piping, since, when the stacks are placed near the exposed walls, both cold and warm air pipes may be made very short. With a furnace system having registers similarly placed, the hot-air pipes would stretch from one side of the house to the other, their excessive length reducing the pitch and increasing the friction and loss of heat.

When registers are placed below windows the upward current of hot air meets a downward current from the glass, which tends to retard the flow through the pipes. Back drafts through such pipes are more likely to occur (in case the cold-air box is insufficiently open) than through short pipes having a sharper pitch.

As bearing on this subject the effect of the location of direct radiators must be cited. They are commonly placed under windows: 1. To counteract down drafts. 2. Because they give off the most heat in that position. 3. Because such location seldom interferes with the arrangement of furniture. The objections to a furnace register location near outer walls have no force when applied to radiators. With evenness of temperature and comfort in rooms of moderate size and glass surface the location of the radiator has little to do. Wherever placed the warm air will seek the cold walls and a continuous circulation will be established.

PLUMBING AND HEATING NOTES.

ASSIGNMENT has been demanded of Andre Vilani, contractor, Outremont, Que.

The workshop of Charles Vezina, plumber, Quebec, has been damaged by smoke and water; insured.

Partnership has been registered by Joseph Jacob & Co., contractors, St. Henri de Montreal, Que.

The governors of the Hamilton Hospital are in favor of erecting three new wings, at a cost of $25,000 each.

The Dominion Radiator Co., Limited, Toronto, are supplying the steam radiators for the new Star building, Montreal.

Pierre Picotte and Alphonse T. A. Chagnon have registered partnership under the style of Pierre Picotte & Co., contractors, Montreal.

Dion, Poitras & Cie., plumbers, Montreal, have dissolved, and a new partnership has been registered under the style of Poitras, Dion & Co.

Louis Henault and Napoleon F. Duquette have registered partnership under the style of O. L. Henault & Cie., contractors, Montreal.

It is probable that tenders for the heating and lighting of the extension to the Windsor street depot of the C.P.R., Montreal, will be called for immediately.

E. H. Squire, of Kyle & Squire, plumbers, Wiarton, Ont., has sold his interest in the business to James Hunter. This firm will now be known as Kyle & Hunter. The new firm assume all liabilities of the old firm.

WE EXTEND CONGRATULATIONS.

James Ballantyne, the genial member of the plumbing fraternity of St. Antoine street, Montreal, has joined the ranks of the "benedicts." Mr. and Mrs. Ballantyne are at present on a tour west.

PLUMBING AND HEATING CONTRACTS.

J. P. Noonan, Mount Forest, Ont., has secured the contract for plumbing in the Coyne House, in that place.

WANTS ACETYLENE TABLE LAMPS.

Editor HARDWARE AND METAL,—Kindly inform us where we can get any table lamps with acetylene burners.

SUMNER & Co.

Moncton, N.B.

[Answer—There have been two or three on the market, but none of these as far as we know work successfully, and inventors are experimenting and endeavoring to get a good one. A Montreal plumber, Mr. E. C. Mount, is at work on one which he hopes to put on the market before long, which he thinks can be used with perfect safety. If any of our readers can recommend, from personal experience, an acetylene table lamp would they kindly let us hear from them.—Editor HARDWARE AND METAL,]

MOSES A SANITARY ENGINEER.

It is quite possible that many young men in the plumbing trade, in their reading and studies to fit themselves for higher positions, have neglected one book that should receive their attention. In his address, as president of the Congress of the Sanitary Institute at Southampton, England, Sir William H. Preece, K.C.B., F.R.S., said that the greatest sanitary engineer that the world has ever known was Moses. The book of Leviticus was a treatise on hygiene. For 3,400 years the world stood still, and only one race followed the doctrines and teachings of that great master. The Christian threw his tenets to the wind; the Mohammedan, to his great benefit, had continued to practise some of his principles to the present day. The Jew remained faithful, and was the healthiest and longest-lived type of humanity. The doctrines of Moses could be summed up in the objects of sanitation to-day, namely, pure air, pure water, pure food, pure soil, pure dwellings and pure bodies.—Ex.

"FILE FILOSOPHY."

The Nicholson File Co., Providence, R.I., U.S.A., have issued a small booklet which should be of much value to all mechanics who use, and to dealers who handle, files of any description. The booklet, which is entitled "File Filosophy," contains a brief but very comprehensive collection of hints and suggestions as to the proper methods of using files, together with the various applications of the most common files, and definitions of the many terms used in speaking of files. All hardware dealers who are not acquainted with this work should secure a copy, and study its contents.

A MAN'S OWN BUSINESS.

Stick to it; 1893 caught thousands of individuals, firms and corporations with too many irons in the fire, writes Frank Sibley. It swamped them. They dropped like rows of sticks. The majority of business men and manufacturers can make money in the particular line in which they have been schooled. The majority of business men drop money when they go into side ventures. This country of ours is a country of ups and downs. We have been down for five years. We will now have several years of fairly prosperous times. But the day of panics is not over. Panics will come again. In the days of prosperity avoid outside speculation. Concentrate your capital in the business in which you are engaged. Put yourself in a position where you can go to bed at night owing no man a dollar. Then panics, long periods of depression and financial stringency for you will have no terrors.

A great many men seem to take considerable pride in being connected with a variety of enterprises. Once in a while, these side enterprises pay. Twice in a while they lose. Those men die as do all others, but their estates are harder to settle. The other fellows engaged with the side enterprises "scoop" the estate. Liabilities never shrink. Stick to your own business and wipe them out.

If you can make more money than your business requires, don't entangle yourself with new alliances, but spend the surplus money or give it to charity and enjoy life.

FILE TERM EXPLAINED.

Editor HARDWARE AND METAL,—I am a constant reader of your valuable paper, and find some good, useful information in it each week. Will you kindly, through the columns of your journal, explain the meaning of the term "bastard" as applied to files.

Yours, very truly,
CLERK.

[Answer: The word "bastard" simply refers to the coarseness of cut of the file. Files are generally divided into the divisions of coarseness of cut: bastard, 2nd cut and smooth, the bastard being the coarsest of the three. We would advise "Clerk" to get a copy of "File Filosophy," reference to which is made on another page.—ED. HARDWARE AND METAL]

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in Electrical, Civil, Mining, Steam and Mechanical Engineering; Metallurgy, Journalism, Machine Design, Mechanical Drawing, Art, Architecture, English Branches, Stenography. Low price; easy terms. Most thorough and complete course of any correspondence school in the world.

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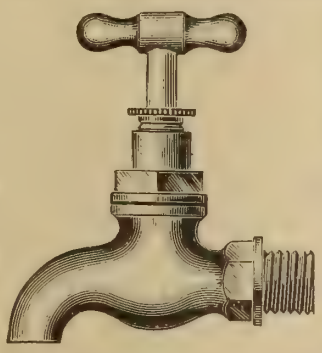
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With improved loose valve—easily renewed.

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of any kind that is of value to business men supplied by our Bureau. We can give you market quotations from any town in Canada, reports from the city markets, stock quotations, etc. You can get commercial news from any Canadian paper through us.

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HARDWARE salesman—fourteen years experience—immediate engagement. G. C., HARDWARE AND METAL, Toronto. (46)

FOR SALE.

A NEW MARLIN RIFLE

Never been used. Just the Rifle for practice. Price $30. Will take $20.

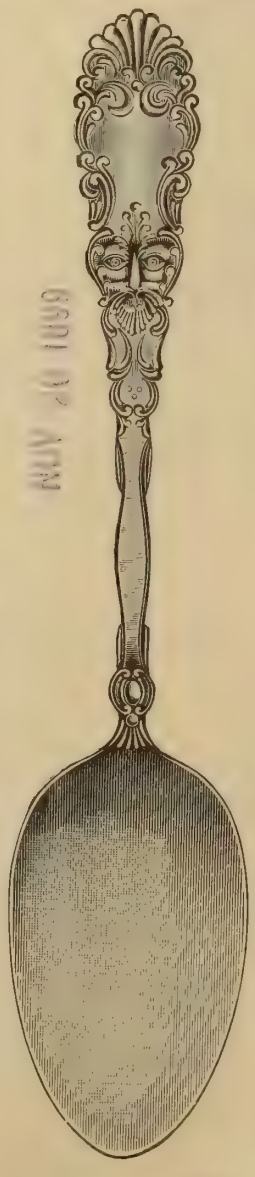
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"The Gooderham Company,



Silversmiths and Manufacturers of Electro-Silver Plate.

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Have You a Copy of Our New Catalogues?

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Manufacturers of SOIL PIPE, FITTINGS, SINKS, BOILER STANDS.

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The only Exclusive Manufacturers of Soil Pipe and Soil Pipe Fittings in Canada. . . . . .

All goods stamped T. F. Co. are warranted

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

M. Loganierre & Co., general merchants, St. Alban, Que., have assigned.

L. G. Bushiere, grain and flour dealer, Pont Rouge, Que., has suspended.

P. J. Shiels, general merchant, Lyndhurst, Ont., is offering 40c. on the dollar.

A. A. Copp, general merchant and lumber dealer, Baie Verte, N.B., has assigned.

Alex. Desmarteau has been appointed curator of Wilfrid Granger, hardware dealer, Montreal.

Thos. W. Dodds, general merchant, etc., Woodville, Ont., has assigned to Henry Barber, Toronto.

A. Buissiere, general merchant, St. Gregoire, Que., is offering 70c. on the dollar. Lefebvre & Taschereau have been appointed curators of his business.

PARTNERSHIPS FORMED AND DISSOLVED.

Charles Bergevin & Co., saddlers, Montreal, have dissolved.

Partnership has been registered by Desmarais & Poirier as painters in Montreal

Brouillet & Emblem have registered partnership as general agents in Montreal.

W. H. Goodhue, hardware dealer, Port Stanley, Ont., has admitted George Moore as partner.

Lee, Stitt & Co., general merchants, Grand Forks, B.C., have dissolved, W. B. Lee continuing.

Fay & Williams, general merchants, Port Burwell, Ont., have dissolved, David Williams continuing.

Horner & Wallace, general merchants, Granby, Que., have dissolved, W. R. Horner continuing.

SALES MADE AND PENDING.

E. Watt, harness dealer, Pictou, N.S., is advertising his business for sale.

The stock of J. A. Charland, general merchant, Joliette, Que., has been sold.

The assets of S. B. Annable, general merchant, Russell, Ont., have been sold.

The stock of Mrs. C. Baron, general merchant, Valleyfield, Que., has been sold.

A. Manning, blacksmith, etc., Bond Head, Ont., is advertising his business for sale.

John Grant, general merchant, etc., Aberfeldy, Ont., is advertising his business for sale.

The assets of J. Raymond & Co., general merchants, St. Anne de Beaupre, Que., are to be sold on November 17.

The assets of the estate of The Stacey Hardware and Manufacturing Co., St. Thomas, Ont., are to be sold.

Alexander Watson, general merchant, etc., Kinmount and Gooderham, Ont., has sold his stock to his wife, Maud Watson.

The stock of J. B. Domville, general merchant, St. Stanislas, Que., has been sold at 81½c. on the dollar to P. N. Chaillez, of the same place.

CHANGES.

Mrs. T. Crevier has registered as proprietress of T. Crevier & Co., Montreal.

Stevenson & Johnston, tinsmiths, etc., have opened up a branch in Watford, Ont.

A. Macdonald, general merchant, Battleford, N.W.T., has sold out to Prince Bros.

John A. Turnbull, carriagemaker, Lawrence Station, Ont., is closing up his business.

Strathon & Son, general merchants, Staffordville, Ont., has sold out to Wakeling Bros.

John W. Widdis, general merchant, Gesto, Ont., is advertising that he intends giving up business.

Joseph Lawrence, dealer in agricultural implements, Mather, Man., has sold out to Howard & Moore.

Marion Raymond has registered as proprietress of M. Raymond & Co., general merchants, St. Anne de Beaupre, Que.

FIRES.

Thuot Pierre, jr., general merchant, Iberville, Que., has been burned out.

W. B. Kellett, general merchant, Cottam, Ont., has been burned out; partially insured.

J. M. Ross, Sons & Co., foundrymen, Brampton, Ont., have suffered damage by fire.

In the issue of October 28, it was stated that H. M. Green, hardware merchant, Ridgetown, Ont., had been burned out. Mr. Green writes that this was an error, as neither has he been burned out nor has his stock been damaged by fire.

DEATHS.

James McCullough, general merchant, Goodwood, Ont., is dead.

John Matthews, of Matthews & Son, painters, Hamilton, Ont., is dead.

ANOTHER OCEAN FREIGHT LINE.

Wm. Peterson, of Peterson, Tate & Co., recently stated that owing to their confidence in the future development and growth of Canada and the productive force of the country, his firm has decided to establish a new line of 8,000-ton freight boats between the St. Lawrence and a port in Great Britain, yet to be settled upon. They will make winter trips from St. John or Halifax. Mr. Peterson, who had just returned from the Pacific Coast, also said he hoped no privilege would be granted Americans in navigation matters in the Dominion inland waterways, as Canadians would soon be prepared to handle all the work.

TO INCREASE BICYCLE SALES.

An Indiana hardware merchant considerably increased his sales of bicycles by holding a bicycle road race. The following were the rules of the race:

Course.—The start and finish were both in front of the firm's place of business, and three judges decided who the winners were.

Restrictions.—Only those who had bought wheels of the firm, and who still had the wheels in their possession, were allowed to enter the race. Each contestant was to ride his own wheel.

Prizes.—Ten prizes were offered, from a bicycle valued at $35 to a pair of wire toeclips at 25c. The total value of the prizes was $47.

The expense of the race was about $50, including the charge for a band. There were 19 entries for the race, and, as an advertisement, it was considered a success. An event of the same kind will be given in 1900 under the auspices of the firm. The race was not announced early enough in the season to effect sales this year, but, as a result, the firm expect to sell 100 bicycles next year in their town, and to get better prices than in the past. They also expect the advertisement will aid them in making contracts with manufacturers.

This might be a good plan for Canadian hardwaremen to adopt. They might recoup themselves to some extent by having the finish of the race in some grounds, when a nominal entrance fee could be charged. Such a race should be decided on before the bicycle season opens, and should be advertised.

NEW COMPANIES CHARTERED.

The following companies have been incorporated: The Minnesota-Ontario Gold Mines Company, with a capital of $2,000,000 in $1 shares, the head office to be at Mine Centre, Rainy River district, and the provisional directors: Albert Christian Clausen, St. Paul; Franklin Paine, Duluth, and Alonso Cary Woodruff, St. Paul. The Magatama Lumber Company, capital $100,000 in shares of $100 each, head office at Orillia, provisional directors: W. J. Sheppard, Waubashene; Angus McLeod, Bracebridge; J. J. McNeil, Toronto; George McCormack and T. H. Sheppard Orillia. The Canada Foundry Company, capital, $1,500,000 in shares of $100 each, head office in Toronto. The Canadian Nickel Company, capital, $900,000, shares $10 each, head office at Worthington, Algoma. The Hamilton and Fort William Navigation Company, capital $300,000, shares $100, head office at Hamilton. The Atlas Arsenic Company, capital $750,000, in shares of $1 each, head office Belleville, to carry on the business of a mining company.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, **Montreal.**

Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates, Galvanized Sheets, Imitation Russia Sheets Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.



VanTuyl & Fairbank

Petrolia, Ont.

Headquarters for . .

Oil and Artesian Well Pumps, Casing, Tubing Fittings, Drilling Tools, Tables, etc.

R. C. LeVESCONTE

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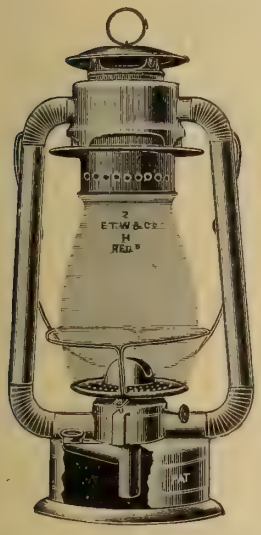
THE McKINNON BUILDING
Cor. Jordan and Melinda Streets

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Telephone 689.
Cable "LeVesconte" Toronto.

No. 3 Patent Well.

"Oil wont spill if upset."



Manufactured by

E. T. WRIGHT & CO.

Hamilton, Canada.

Send for New Catalogue.

TRADE MARK J REGISTERED

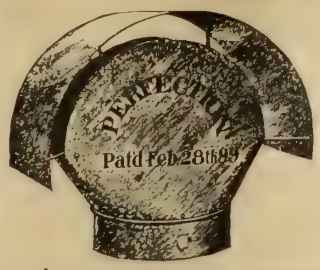
"JARDINE" TIRE UPSETTERS WILL UPSET TIRES

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.

HESPELER, ONT.



Perfection Ventilator.

NEW, SIMPLE, ORNAMENTAL, EFFECTIVE, AND STORM PROOF.

This is the real thing for perfect ventilation. Write for information and prices.

BERGER BROS. CO., *231 and 237 Arch St., PHILADELPHIA.*

HARRINGTON & RICHARDSON ARMS CO.

WORCESTER, MASS., U. S. A.

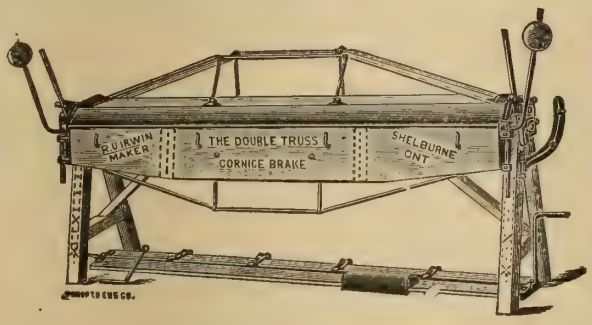


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High Grade REVOLVERS

SEND FOR COMPLETE CATALOGUE.

For sale by Sporting Goods and Hardware Stores almost everywhere.



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

Price, $50

Very handy beader attachment, $10 extra if required.

Send for circulars and testimonials to

The Double Truss Cornice Brake Co. SHELBURNE, ONT.



STEVENS FINE TOOLS

We make a perfect line of

CALIPERS and DIVIDERS

Also such tools as Surface Gauges, Tool Makers' Clamps, Center Punches, etc.

Write for our New Catalogue containing a description of our Tools. It is also a valuable hand-book of information for mechanics and people interested in such lines.

J. Stevens Arms & Tool Co.

P.O. Box 216, Chicopee Falls, Mass., U S.A.

Carried by our representatives at Toronto and Montreal.

HUTCHISON, SHURLY & DERRETT

DOVERCOURT TWINE MILLS.

1078 BLOOR STREET WEST TORONTO.

Having equipped our Factory with entirely new machinery, we are prepared to furnish the best made goods in the market at closest prices and make prompt shipments.

Hand Laid Cotton Rope and Clothes Lines,
Cotton and Russian Hemp Plough Lines, plain and colored.
Cotton and Linen Fish Lines, laid and braided.
Netted Hammocks, white and colored, Tennis and Fly Nets.
Skipping Ropes, Jute, Hemp and Flax Twines.

CORPORATE MARK

JOSEPH RODGERS & SONS, Limited.

MANUFACTURERS OF

Pocket and Table Cutlery, Scissors, Razors, Erasers, Etc.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for Canada,

JAMES HUTTON & CO., - - Montreal

CURRENT MARKET QUOTATIONS

Nov. 17, 1899.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—		
56 and 28 lb. ingots, per lb.	....	0 36
Straits	....	0 36

Tinplates.

Charcoal Plates—Bright.

		Per box
M.L.S., equal to Bradley.		
I.C., usual sizes	....	$6 50
I.X., "	....	7 75
I.X.X., "	....	9 00
J. R. & Co.—		
I.C	....	6 00
I.X	....	7 25
I.X.X	....	8 50
Famous—		
I.C.	....	6 75
I.X.	....	7 50
I.X.X	....	8 75
Raven & Vulture Grades—		
I.C., usual sizes	....	5 00
I.X., "	....	5 75
I.X.X. "	....	6 50
I.XXX., "	....	7 25
D.C., 12½x17	....	4 50
D.X	....	5 25
D.X.X	....	7 25

Coke Plates—Bright.

Bessemer Steel—		
I.C., usual sizes	....	4 35
I.C., special sizes, base	...	4 50
20x28	....	8 75

Charcoal Plates—Terne.

Dean or J. G. Grade—		
I.C., 20x28, 112 sheets	....	8 50
I.X., Terne Tin	....	10 50

Charcoal Tin Boiler Plates.

		Per lb.
Cookley Grade—		
X X., 14x56, 50 sheet bxs	}	0 07 0 07½
" 14x60 "		
" 14x65, "		

Tinned Sheets.

72x30 up to 24 gauge	0 08	0 08½
" 26 "	0 08½	0 09
" 28 "	0 09	0 09½

Iron and Steel.

	Base	Price
Common Bar, per 100 lbs	2 35	2 45
Refined " "	2 85	2 95
Horse Shoe	...	2 65
Hoop steel, 1½ to 3 in. base, extras for smaller sizes	....	2 75
Swedish " "	4 00	4 25
Sleigh Shoe Steel " base	....	2 70
Tire Steel	....	2 70
Machinery	....	2 65
Cast Steel, per lb	0 10	0 14
Toe Calk Steel	....	3 25
Thos. Firth & Sons' Cast Steel	0 12	0 14
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker.	2 00	2 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½-inch	....	0 11
2 "	....	0 12
2½ "	....	0 14
"	....	....

Steel Boiler Plate.

¼ inch	....	3 25
3-16 inch	....	3 40
⅜ inch and thicker	....	3 25

Black Sheets.

18 gauge	....	2 85
20 gauge	....	2 85
22 to 24 "	....	3 00
26	....	3 10
28 "	....	3 35

Canada Plates.

All dull, 52 sheets	....	3 00
Half polished	....	3 10
All bright	....	3 60

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ⅜ inch $3.90; ½ inch, $3.90; ¾ inch, $4.90; 1 inch, $6.40; 1¼ inch, $8.10; 1½ inch, $10.40; 2 inch, $13.85. 2½ to 6 inch, discount 50 p.c.

Galvanized, ½ inch, $6.50; ¾ inch, $8.00; 1 inch, $11.50; 1¼ inch, $16.00; 1½ inch, $20.00; 2 inch, $28.50.

Galvanized Iron.

	G C. Comet.	Amer.	Queen's Head
16 gauge	....	....	4 25
18 to 24 gauge	4 50 3 80	3 95	4 50
26 "	4 75 4 10	4 35	4 75
28 "	5 00 4 35	4 60	5 00

Less than case lots, 25c. per 100 lb. additional.

Chain.

Proof Coil, 3-16 in., per 100 lb	....	....
" ¼ " "	....	8 25
" 5-16 " "	....	6 25
" ⅜ " "	...	5 50
" 7-16 " "	...	5 30
" ½ " "	...	5 10
" ⅝ " "	...	4 90
" ¾ " "	...	4 85

Halter, kennel and post chains, 40 and 50 p.c.
Cow ties ..... 40 p.c.
Stall fixtures ..... 35 p.c.
Trace chain ..... 25 and 5 p.c.
Jack chain, iron, single and double, discount 35 p c.
Jack chain, brass, single and double, discount 40 p.c

Copper.

Ingot.		
English B. S., ton lots	0 20	0 21
Lake Superior	....	....
Bolt or Bar.		
Cut lengths, round, ½ to ⅞ in.	0 23½	0 25
" round and square 1 to 2 inches	0 23½	0 25
Sheet.		
Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 23	0 23½
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 23	0 23½

NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.

Tinned copper sheets	....	0 26
Planished	....	0 32

Braziers. (In sheets.)

4x6 ft. 25 to 30 lbs. ea., per lb.	....	0 25½
" 35 to 45 " "	....	0 24½
" 50-lb. and above, "	....	0 23½
Boiler and T. K. Pitts.		
Plain Tinned, per lb	....	0 28
Spun, per lb	....	0 32

Brass.

Roll and Sheet, 14 to 30 gauge, 5 per cent.

Sheets, hard-rolled, 2x4	0 24	0 25
Tubing, base, per lb	0 24	0 25

Zinc Spelter

Foreign, per lb	0 07	0 07¼
Domestic "	....	..

Zinc Sheet.

5 cwt. casks	....	0 08
Part casks	....	0 08¼

Lead.

Imported Pig, per lb	0 04¾	0 05
Domestic, per lb	....	
Bar, 1 lb	....	05
Sheets, 2½ lbs. sq. ft., by roll.	0 05¼	05½
Sheets, 3 to 6 lbs., per sq. ft., by roll	0 05	0 05¼

NOTE.—Cut sheets ½ cent per lb. extra

Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 17½ per cent. discount

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths, lists at 7½ cents.

Shot.

Ordinary, drop, $4.75 per 100 lb.; chilled, $5.15 per 100 lb. F.O.B. Toronto; terms 3 per cent cash, freights equalized on Montreal.

Soil Pipe and Fittings.

Discount, 50 and 10 per cent. on medium and extra heavy, and 50 per cent. on light.

Solder.

	Per lb.	Per lb.
Bar half-and-half	0 21	0 22
Refined	0 20½	0 21½
Wiping	0 20	0 20½

NOTE.—Prices of this graded according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 11	0 11½

White Lead.

	Per cwt.
Pure, Assoc. guarantee, ground in oil, 25 lb. irons	6 50
No. 1 do	6 12½
No. 2 do	5 75
No. 3 do	5 37½
No. 4 do	5 00
Robertson's Chemically Pure	6 50
Munro's Select Flake White	6 75
Elephant and Decorators' Pure	6 50

Red Lead.

Genuine, 560 lb. casks, per cwt.	$ ...	$5 00
Genuine, 100 lb. kegs, per cwt.	5 25	5 50
No. 1, 560 lb. casks, per cwt.	....	4 75
No. 1, 100 lb. kegs, per cwt.	....	5 00

White Zinc Paint.

Elephant Snow White	0 08	0 09
Pure White Zinc	0 08	0 09
No. 1	0 06	0 07½
No. 2	0 05	0 06½

Dry White Lead.

Pure, casks	0 05⅛
Pure, kegs	0 05⅜
No. 1, casks	0 04⅞
No. 1, kegs	0 05⅛

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)

Pure, per gallon	1 00	1 10
Second qualities, per gallon	0 90	0 95
Barn (in bbls.)	0 70	0 90
The Sherwin-Williams Paints	....	1 30
Canada Paint Co's Pure	1 10	1 20
Robertson's Pure	....	1 10
Sanderson Pearcy's Pure	1 00	1 10
Toronto Paint and Color Co.'s Pure	1 10	1 20

Colors in Oil.

(25 lb. tins, Standard Quality.)

Venetian Red, per lb	0 05
Chrome Yellow	0 11
Golden Ochre	0 06
French "	0 05
Marine Black	0 09
" Green	0 09
Chrome "	0 08
French Imperial Green	0 19

Colors, Dry.

Yellow Ochre (J.C.) bbls	1 35	1 40
Yellow Ochre (J.F.L.S.), bbls	...	2 75
Yellow Ochre (Royal)	1 10	1 15
Brussels Ochre	....	2 00
Venetian Red (best), per cwt.	1 80	1 90
English Oxides, per cwt.	3 00	3 25
American Oxides, per cwt	1 75	2 00
Canadian Oxides, per cwt.	1 75	2 00
Super Magnetic Oxides, 93 p c.	2 00	2 25
Burnt Sienna, pure, per lb.	....	0 10
" Umber, " "	....	0 10
do Raw	....	0 09
Drop Black, pure	....	0 09
Chrome Yellows, pure	....	0 18
Chrome Greens, pure, per lb.	....	0 12
Golden Ochre	....	0 03¾
Ultramarine Blue in 28-lb boxes, per lb.	0 08	0 24
Fire Proof Mineral, per 100 lb.	....	1 00
Genuine Eng. Litharge, per lb	....	0 07
Mortar Color, per 100 lb.	....	1 25
James' Gen. Red Lead, 100 lb	....	0 05
Pure Indian Red, No. 45, lb.	....	0 08
Whiting, per 100 lb.	....	0 55

Sulphate of Copper.

Casks, for spraying, per lb.	0 07
100-lb. lots, do. per lb.	0 08

Putty.

Bladders in bbls.	1 80
Bladders in 100 or 200 lb. kegs or bxs	1 95
Bulk in bbls., per 100	1 65
Bulk in less quantities	1 80
25-lb. tins, 4 in case	2 05
12½-lb. tins, 8 in case	2 30

Quotations f.o.b. Toronto, Ottawa, Montreal, Hamilton, London, Guelph. For quantities less than 100-lbs., 2½c. per lb.

Varnishes.

(In 5-gal. lots.)	Per gal
Carriage, No. 1	1 30 1 40
Extra do.	1 50 1 60
Body Varnish	3 40 3 50
Furniture Varnish	0 60 0 75
Extra do.	1 10 1 20
Demar Varnish	.... 1 60
Hard Oil Finish	1 30 1 45
Orange Shellac Varnish	2 00 2 10
White Shellac	2 20 2 25
Rubbing Varnish	.... 2 00
Brown Japan	85 1 00
Elastic Oak	.... 1 40

Linseed Oil.

Raw.		Boiled.	
1 to 4 bbls.	$0 60	delivered	$0 63
5 to 9 bbls	59	"	62
10 to 15 bbls	57	f.o.b. point ship'nt	60
16 to 30 bbls	56	"	59

On 1 to 4, 5 to 9 bbls. and car lots, freight allowed. Prices on 10 to 15 and 16 to 30-bbls. are f.o.b. shipping point.

Turpentine.

Single barrels	...	0 75
2 to 4 barrels	....	0 74

Freight allowed.

Castor Oil.

In cases, per lb	....	0 09
Small lots	....	0 10

Cod Oil, Etc.

Cod Oil, per gal	.. 0 50	0 55
Pure Olive	....	1 20
" Neatsfoot	....	90

Glue.

(In bbls.)

Common	0 08½	0 09
French Medal	0 12	0 12½
Cabinet, sheet	0 11	0 12
White, extra	0 16	0 18
Gelatine	0 22	0 [illegible]
Strip	0 16	[illegible]
Coopers	0 19	0 20
A1 clear	....	0 09

HARDWARE.

Ammunition.

Cartridges.

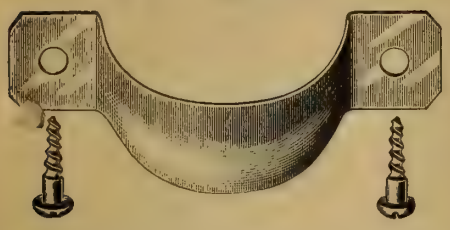
B. B. Caps. Dom., 50 and 5 per cent.
Rim Fire Pistol, dis. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18 p.c. Amr

TWO GOOD THINGS

THE KLONDIKE SAMPLE HOLDER

(see cut last issue)

AND A NEW DRAWER PULL



in solid bronze, packed with round head screws. This pull is made especially for Bennett's shelf box, and like the box is neat, strong and cheap. For prices and free sample, write to the maker of Bennett's Shelf box.

J. S. BENNETT, 20 Sheridan Ave., Toronto.

N. B —Shelf boxes made to fit your present shelving.

WARNOCK'S TOOLS

have been Canada's Standard for 55 years---since 1844. Every article bearing our name is fully guaranteed. Always specify "Warnock's."

James Warnock & Co., - Galt, Ont.

Central Fire Cartridges, pistol sizes, Dom 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.
Brass shot Shells, 55 and 10 per cent.
Primers, Dom., 80 per cent.

Wads.

	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 00 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	
Chemically prepared blank edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Per lb	0 10	0 12½
Anvil and Vice combined	....	4 50
Wilkinson & Co.'s Anvils..lb.	0 09	0 09½
Wilkinson & Co.'s Vices..lb.	0 09¾	0 10

Augers.

Gilmour's, discount 50 and 10 p.c. off list.

Hollow, Stearn's, per dozen..	13 00	20 00
Adjustable, Stearn's, each..	4 50	6 50
Post-hole, Vaughan's, each..	60	90

Axes.

Chopping Axes—		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00

Bench Axes, 40 and 15 p.c.
Broad Axes, 33⅓ per cent.

Hunters' Axes	5 50	6 00
Boy's Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Bath Tubs.

Zinc	3 90	4 00

Copper, discount 40 and 10 p.c. off revised list
Steel clad, discount 20 per cent. Boxing extra.

Anti-Friction Metal.

Tandem " A	per lb.	0 23
" B	"	0 19
" C	"	0 11½

Magnolia Anti-Friction Metal, per lb. 0 25
F. O. B. New York or Chicago.

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent.

Door.

Gongs, Sargant's	5 50	8 00

" Peterboro', discount 50 per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00

Blacksmiths', discount 60 per cent.

Belting.

Extra, 50 per cent.
Standard, 50 and 10 to 50, 10 and 5 per cent.
Agricultural, 60 and 10 p.c.

Bits.

Auger.

Gilmour's, discount 50 and 10 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent.

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Norway Bolts, full square	65
Common Carriage Bolts, all sizes	50
" " full square	65
Machine Bolts, all sizes	52½
Coach Screws	65
Sleigh Shoe Bolts	70
Blank Bolts	52½
Bolt Ends	62½
Nuts, square	3½c. off
Nuts, hexagon	4c. off
Tapping Nuts	60
Tire Bolts	60 and 10
Stove Bolts	60 and 10
Stove rods, per lb	5½ to 6c.
Plough Bolts	50

Boot Calks.

Small and medium, per M	4 50	
Small heel, per M	4 25	

Bright Wire Goods.

Discount ..... 55 per cent.

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent.

Henis, No. 8, "	....	6 00
Henis, No. 9, "	....	7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Plain building, per roll	0 28	
Tarred lining, per roll	0 35	
Tarred roofing, per 100 lb	1 40	
Coal Tar, per barrel	3 75	
Pitch, per 100-lb	0 60	
Carpet felt, per 100 lb	2 50	

Bull Rings.

Copper, $2.50 for 2½ in. and $2 for 2 in.

Butts.

Brass.

Wrought Brass, net revised list.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel.

Fast Joint, dis. 60 and 10 per cent.
Loose Pin, dis. 60 and 10 per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Cards.

Horse, per doz	0 60	1 00

Carpet Sweepers.

Bissell, per doz	....	22 50
World, "	....	21 75
Daisy, "	....	24 00
Star, "	....	18 00
Crown Jewel, per doz	....	29 00
Grand Rapids, "	24 00	33 00

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	50	9 50

Cement.

Canadian Portland	2 65	2 90
English "	....	3 00
Belgian "	....	2 70
Canadian hydraulic	1 00	1 10

Figures are for barrel lots.

Chalk.

Carpenters, Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 60 and 5 per cent.
Warnock's, dis. 60 per cent.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above.
Discounts: Delivered from factories, 60 p.c.; from stock in Montreal, 58 p.c.
Terms, 4 months or 3 p.c. cash in 30 days.

Cinder Sifters.

Per doz	1 25	

Clips.

Axle dis. 65 per cent.

Closets.

Plain Ontario Syphon Jet	$8 00	
Emb. Ontario Syphon Jet	8 50	
Fittings	1 00	
Plain Teutonic Syphon Washout	4 75	
Emb. Teutonic Syphon Washout	5 25	
Fittings	1 00	
Plain Richelieu	4 75	
Emb. Richelieu	5 00	
Fittings	1 25	
Closet connection	1 25	
Basins, round, 14 in.	0 65	
" oval, 17 x 14 in.	1 55	
" " 19 x 15 in.	2 30	

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 20 per cent. from factory.

Dies.

Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. per cent.

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Broad's, dis 60 to 60 and 7½ per cent.
Warnock's, dis. 60 to 60 and 7½ per cent.

Drills.

Hand and Breast.

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis.. 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.

Stovepipe.

Per doz	0 85	1 70

ESCUTCHEONS.

Discount, 27½ per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 45 per cent.

FILES.

Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Jowitt's, English list, 25 to 27½ per cent
Mechanics' Star & File Mfg. Co. Discount 60 and 10 to 70 per cent.

FORKS.

Hay, manure, etc., dis., 50 and 10 per cent. revised list.

FRUIT PRESSES.

Henis', per doz	3 25	3 50

Shepard's Queen City, dis. 15 per cent.

GAUGES.

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft
Under 26	2 10	4 00	3 50	6 00
26 to 40	2 30	4 35	3 75	6 65
41 to 50	....	4 75	....	7 25
51 to 60	....	5 00	....	8 50
61 to 70	....	5 35	....	9 25
71 to 80	....	5 75	....	10 50
81 to 85	....	6 50	....	11 75
86 to 90	....	7 25	....	14 00
91 to 95	....	....	....	15 50
96 to 100	....	....	....	18 00
101 to 105	....	....	....	21 00
106 to 110	....	....	....	24 00
111 to 115	....	....	....	28 00

16 x 16 10 per cent. off.

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾ "	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis 5 to 10 per cent. Can. dis. 25 to 27½ per cent.

Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz., net	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pair	0 40	2 50

Fork

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. list.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾	0 20

HANGERS.

	doz. pairs	
Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50

Lane's covered—

No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot		4½

HARVEST TOOLS.

Discount, 50 and 10 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent.

HINGES.

Blind, Parker's, dis. 60 and 10 to 65 per cent
" Shepard's Noiseless, dis. 60 per cent.
" " Buffalo, dis. 60 to 70 p. c.

Heavy T and strap, 4-in., per lb		0 06
" " 5-in., "		0 05¾
" " 6-in., "		0 05½
" " 8-in., "		0 05¼
" " 10-in., "		0 05

Light T and strap. dis. 60 and 10 per cent.
Screw hook and hinge—

6 to 12 in., per 100 lbs	....	4 50
14 in. up, per 100 lbs	....	3 50
	Per gro.	pair
Spring	....	8 50

HOES.

Garden, Mortar, etc., dis. 60, 10 and 5 p.c.		
Planter, per doz	4 00	4 50

HOLLOW WARE

Discount,..... 45 and 5 per cent

HOOKS.

Cast Iron.

Bird Cage, per doz.....	0 50	1 10
Clothes Line, per doz.....	0 27	0 63
Harness, per doz...	0 72	0 88
Hat and Coat, per gross.....	1 00	3 00
Chandelier, per doz.....	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.

Hat and Coat, discount 60 per cent.
Belt, per 1,000..... . 0 60 0 70
Screw, bright, dis. 55 per cent.

HORSE NAILS.

C" brand 50 p.c. dis. } Oval head.
M" brand 50 p.c. }

Acadian, 50 and 20 p.c., countersunk head.

HORSESHOES.

Iron Shoes.	F.O.B. Toronto. No. 2 and larger.	No. 1. and smaller.
Light, medium, and heavy...	3 80	4 05
Snow shoes.....	4 05	4 30
Steel Shoes.		
Light.....	4 10	4 35
Featherweight (all sizes).....	5 35	5 35

JAPANNED WARE.

Discount, 50 per cent. off list, June, 1899.

ICE PICKS.

Star, per doz.....	3 00	3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb..... 0 30 0 50
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 50 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door japanned and N.P., per doz	1 50	2 50
Bronze, Berlin, per doz.....	2 75	3 25
Bronze Genuine, per doz....	6 00	9 00
Shutter, porcelain, F. & L. screw, per gross.....	1 30	4 00

HAY KNIVES.

Discount, 50 and 10 per cent.

LANTERNS.

Cold Blast, per doz.....	7 50
No. 4 "Wright's".....	8 50
Ordinary with O burner	4 25
Dashboard, cold blast	9 50
No. 0.	6 00

Japanning, 50c. per doz. extra.

LEMON SQUEEZERS.

	per doz.	
Porcelain lined,.....	2 20	5 60
Galvanized	1 87	3 85
King, wood.....	2 75	2 90
King, glass.....	4 00	4 50
All glass.....	1 20	1 30

LINES.

Fish, per gross.....	1 05	2 50
Chalk "	1 90	7 40

LOCKS

Canadian, dis. 27½ p.c.

Russell & Erwin, per doz....	3 05	3 25

Cabinet.

Eagle, dis. 30 p.c.

Padlock.

English and Am., per doz....	50	6 00
Scandinavian, "	1 00	2 40

Eagle, dis. 15 to 17½ p.c.

MACHINE SCREWS.

Iron and Brass.

Flat head, discount 25 p.c.
Round Head, discount 20 p.c.

MALLETS.

Tinsmiths', per doz.....	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz..	3 85	5 00
Caulking, each.....	60	2 00

MATTOCKS

Canadian, per doz.....	8 50	10 00

American, 60 and 10 p.c. off list.

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2d. and 3d	$3 60	$4 30
3d	3 25	3 95
4 and 5d.....	3 00	3 80
6 and 7d.....	2 90	3 65
8 and 9d.....	2 75	3 45
10 and 12d.....	2 70	3 40
16 and 20d.....	2 65	3 35
30, 40, 50 and 60d. (base).....	2 60	3 30

Steel Cut Nails 10c. extra.

NAIL PULLERS.

German and American.....	1 85	3 50

NAIL SETS.

Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.

Poultry, 40 per cent. for McMullen's.

OIL.

Canada refined (Toronto)....	....	0 13½
Sarnia Water White.....	....	0 15
Pratt's Astral.....	....	0 18
Sarnia, Prime White.....	....	0 14
American w. w.....	....	0 16½

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz.....	0 00	11 00

Zinc and tin, dis. 50, 50 and 10.

Copper, per doz.....	1 25	3 50
Brass, "	1 50	3 50

Malleable, dis. 25 per cent.

PAILS.

Galvanized pails, discount 45 per cent.
Galvanized flaring pails, discount 45 per cent
Galvanized washtubs, discount 45 per cent.

PICKED WARE.

Discount, 40 per cent. off list, June, 1899.

PICKS.

Per doz	6 00	9 00

PICTURE NAILS.

Porcelain head, per gross....	1 40	3 00
Brass head, "	0 40	1 00

PLANES.

Wood, bench, Canadian dis. 55 per cent.
American dis. 55.
Wood, fancy Canadian or American, 37½ to 40 per cent.
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.
Miscellaneous, dis. 25 to 27½ per cent.
Bailey's Victor, 25 per cent.

PLANE IRONS.

English, per doz.....	2 00	5 00

PLIERS AND NIPPERS.

Button's Genuine, per doz pairs, dis. 40 p.c.	37½	
Button's Imitation, per doz..	5 00	9 00
German, per doz.....	0 60	2 60

PRESSED SPIKES.

Discount, 20 per cent.

PULLEYS.

Hothouse, per doz.....	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning.....	0 35	2 50

PUMPS

Canadian cistern.....	1 40	2 25
Canadian pitcher spout.....	1 15	2 00

PUNCHES.

Saddlers', per doz.....	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set.....	0 00	0 72
" hollow, per inch....	0 00	1 00

RANGE BOILERS

Galvanized, 30 gallons			8 50
" 35 "			10 00
" 40 "			11 00
Copper, 30 "			22 00
" 35 "			26 00
" 40 "			30 00

Discount off Copper Boilers 10 per cent.

RAKES.

Cast steel and malleable Canadian, list dis. 50 and 10 p.c revised list.
Wood, 25 per cent.

RASPS AND HORSE RASPS.

New Nicholson horse rasp, discount 60 p.c.
Globe File Co.'s rasps, 60 and 10 to 70 p.c.
Heller's Horse rasps, 50 to 50 and 5 p.c.

RAZORS.

	per doz.	
Geo. Butler & Co.'s,.....	8 00	18 00
Boker's	7 50	11 00
Wade & Butcher's...	3 60	10 00
Theile & Quack's.....	7 00	12 00

REAPING HOOKS.

Discount, 50 and 10 per cent.

REGISTERS.

Discount,..... ..... 60 per cent.

RIVETS AND BURRS.

Carriage, Section, Wagon Box Rivets, etc. (Steel). 45 p.c.
Black M Rivets (Steel), 45 p.c.
Black and Tinned Rivets, 45 p.c.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets & Burrs, 35 p.c. dis., and cartons, 1c. per lb. extra, net.
Extras on Tinned or Coppered Rivets in ½-lb. cartons, 1c. per lb.
Burrs, iron or steel, 40 per cent.
Terms, 4 mos. or 3 per cent. cash 30 days.

RIVET SETS.

Canadian, dis. 35 37½ per cent.

ROPE, ETC.

	Sisal.	Manila.
7-16 in. and larger, per lb.	12½	15
⅜ in.....	13	15½
¼ and 5-16 in.	13½	16
Cotton		14
Russia Deep Sea		15½
Jute		8
Lath Yarn		9¾
New Zealand Rope.....		10½

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

	per set.
Mrs. Potts, plain, polished	0 90
" " " 12 case ots	0 85

10c. advance for plated.

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 2½ per cent.
Emery, 40 per cent.

SAWS.

Hand, Disston's, dis. 12½ p.c.
S. & D., 40 per cent.

Crosscut, Disston's, per ft....	0 35	0 55

S. & D., dis. 35 p.c. on Nos. 2 and 3.

Hack, complete, each.....	0 75	2 75
" frame only.....	....	0 75

SASH WEIGHTS.

Sectional, per 100 lbs.....	....	3 25
Solid, "	....	1 50

SASH CORD.

Per lb.....	0 20	0 50

SAW SETS.

"Lincoln," per doz.....	....	6 50

SCALES

Gurney Scales, 45 p.c.
B. S. & M. Scales, 45 p.c.
Champion, 55 per cent.
Fairbanks Standard 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Chatillon Spring Balances, 10 p.c.

SCREW DRIVERS.

Sargent's, per doz.....	0 65	1 00

SCREWS

Wood, F. H., iron, and steel, 80 p.c.
Wood R. H., " dis. 75 p.c.
" F. H., brass, dis. 75 p.c.
Wood, R. H., " dis. 67½ p.c.
" F.H., bronze, dis. 67½ p.c.
" R.H. " 62½ p.c.
Drive Screws, 80 per cent.

Bench, wood, per doz.....	3 25	4 00
" iron, "	4 25	5 75

SCYTHES.

Discount, per doz, net.....	9 00	15 00

S \ THE SNATHS.

Canadian, dis. p.c.

SHEARS

Seymour's, dis. 50 and 10 p.c.
Heinisch, dis. 50 and 10 p.c.
Seymour or Heinisch tailor shears, 15 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SNAPS.

Harness, German, dis. 25 p.c.		
Lock, Andrews'.....	4 50	11 50

SOLDERING IRONS.

1, 1½ lb., per lb.....		0 37
2 lb. or over, per lb.		0 34

SQUARES.

Iron, per doz.....	1 65	2 90

Steel, dis. 50 and 10 per cent., revised list.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p.c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized		3 80
Bright		3 55

STOCKS AND DIES.

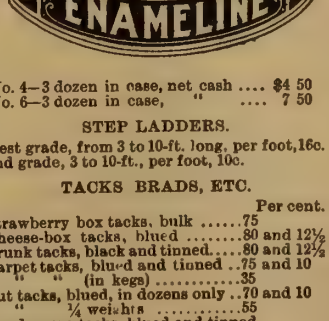
American dis. 25 p.c.

STONE.	Per lb.	
Washita.....	0 28	0 60
Hindostan..	0 06	0 07
" slip, ...	0 09	0 09
Labrador	....	0 13
" Axe.....	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, per ton	15 00	18 00

STOVE PIPES.

5 to 6 inch, per 100 lengths....	....	6 75
7 inch, per 100 lengths.....	....	7 25

Stove Polish.



No. 4—3 dozen in case, net cash $4 50
No. 6—3 dozen in case, " 7 50

STEP LADDERS.

Best grade, from 3 to 10-ft. long, per foot, 16c.
2nd grade, 3 to 10-ft., per foot, 10c.

TACKS BRADS, ETC.

	Per cent.
Strawberry box tacks, bulk 75	
Cheese-box tacks, blued .....80 and 12½	
Trunk tacks, black and tinned....80 and 12½	
Carpet tacks, blued and tinned ..75 and 10	
" " (in kegs) 35	
Cut tacks, blued, in dozens only ..70 and 10	
" ¼ weights 55	
Swedes, cut tacks, blued and tinned—	
In bulk 80	
In dozens .....70 and 10	
Swedes, upholsterers', bulk .....80 and 12½	
" brush, blued & tinned, bulk..45	
" gimp, blued tinned and japanned..... .....70 and 10	
Zinc tacks 30	
Leather carpet tacks 55	
Copper tacks 50	
Copper nails 52½	
Trunk nails, black 65	
Trunk nails, tinned .....65 and 5	
Clout nails, blued and tinned.....	65
Chair nails	35
Cigar box nails	35
Patent brads	40
Fine finishing	40
Picture frame points	10
Lining tacks, in papers	10
" " in bulk	15
" " solid heads, in bulk.....	75
Saddle nails in papers	10
" " in bulk	15
Tufting buttons, 22 line, in dozens only	60
Tin capped trunk nails.....	15
Zinc glazier's points.....	5
Double pointed tacks, dozens.....	5
" " " bulk	25

TAPE LINES.

English, ass skin, per doz....	2 75	5 00
English, Patent Leather....	5 50	9 75
Chesterman's each.....	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRANSOM LIFTERS.

Payson's per doz.....		2 00

TRAPS. (Steel.)

Game, Newhouse, dis. 40 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's, discount 10 per cent.

German, per doz.....	4 75	6 00
Brade's "	5 00	10 50

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb.....	....	0 21
Wrapping, mottled, per pack.	0 50	0 60
Wrapping, cotton, per lb	0 17	0 18
Mattress, per lb.....	0 33	0 45
Staging, "	0 27	0 35
Broom, "	0 30	0 55

VISES.

Hand, per doz.....	4 00	6 00
Bench, parallel, each	2 00	4 50
Coach, each.....	6 00	7 00
Peter Wright's, per lb.....	0 12	0 13
Pipe, each.....	5 50	9 00
Saw, per doz	6 50	13 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Smooth Steel Wire, base, $3.35 f.o.b. factory points. List of extras: Nos. 2 to 5, advance 7c. per 100 lb.—Nos. 6 to 9, base—No. 10, advance 7c.—No. 11, 14c.—No. 12, 20c.—No. 13, 35c.—No. 14, 47c.—No. 15, 60c.—No. 16, 75c. Extras net per 100 lb.: Coppered wire, 60c.—tinned wire, $2—oiling, 10c.—special hay-baling wire, 30c.—spring wire, $1—best steel wire, 75c.—bright soft drawn, 15c.—in 50 and 100-lb. bundles net, 10c.—in 25-lb. bundles net, 15c.—packed in casks or cases, 15c.—bagging or papering, 10c.
Fine Steel Wire, dis. 12½ per cent. factory. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, $7.65—No. 24, $8—No. 25, $9—No. 26, $9.50—No. 27, $10—No. 28, $11—No 29, $12—No. 30, $13—No. 31, $14—No. 32, $15 No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31, $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ¼-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.60—No. 9, $3.70—No. 10, $3.70—No. 11, $3.75—No. 12, $3 20—No. 13, $3.45—No. 14, $4 10—No. 15, $4.70—No. 16. $4.85.

Broom Wire, per lb.....	0 05	0 05½
Clothes Line Wire, 19 gauge, per 1,000 feet.....	....	3 30

WIRE FENCING.

	F.O.B.
Galvanized, 4 barb, 2¼ and 5 inches apart.....	Toronto 3 50
Galvanized, 2 barb, 4 and 6 inches apart.....	.... 3 50
Galvanized, plain twist.....	.... 3 50

Terms, 2 per cent. in 10 days.

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net...		1 75

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.
Diamond dis. 33⅓ to 35 per cent.

Towers' Engineer, each.....	2 00	00
" S., per doz	5 80	00
G. & K.'s Pipe, per doz.....	....	3 40
Burrell's Pipe, each.....	....	3 00
Pocket, per doz.....	0 25	2 90

WRINGERS.

Leader.....per doz.	$60 00
Royal Canadian ..... "	58 00
Royal American ..... "	48 00

Discount, 45 per cent.: terms 4 months, or 3 p.c. 30 days. Prices are f.o.b. London Hamilton Toronto, Brockville or Montreal.



"Build to-day then, strong and sure.
With a firm and ample base."
—Longfellow.

DO YOU?

WISH THUS TO BUILD an advertisement in the CONTRACT-RECORD, TORONTO will bring you tenders from the best contractors

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Buy the Best.



HERCULES

Sash Cord.

Star Brand Cotton Rope
Star Brand Cotton Clothes Lines
Star Brand Cotton Twine

For Sale by all Wholesale Dealers

McLaskill, Dougall & Co.
Fine Varnish & Japan
Manufacturers.
Montreal
Price Lists on application

D. F. Jones Manufacturing Co. Limited, of Gananoque, Ont.

Established 1852.

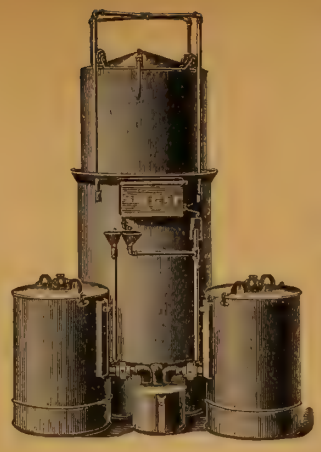
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Spades
Draining Tools

TRADE MARK. J D.F.J.MF'G.CO.

Grain and Coal Scoops and Miners' Shovels

The only Canadian manufacturers of Plain Back Shovels and Spades **THAT ARE SOLID,** without weld, and graduated from socket to point, and from centre to sides, of blades.

All our goods have trade mark on the handle.



The "SAFETY"

ACETYLENE GAS MACHINE

manufactured by

The Safety Light & Heat Co.

DUNDAS, ONT.

What some of our friends say of us:

Dear Sirs,—The 35-light machine supplied by your company and installed in our house, "Dunain," at Port Hope, in December last, is giving unqualified satisfaction. We are outside the line of gas or electricity, and the change from coal oil lamps to the brightness of Acetylene light is incomparable, while the running expense is only the same, considering the light obtained. The machine is easy to handle and we have had no trouble. Anyone who uses coal oil in their dwelling ought to put in Acetylene light; they will never regret it. No lamps to clean, no oil to smell, only ten minutes work every other day to change the carbide and have a far better light than the gas in any town.

BARLOW CUMBERLAND,
General Steamship and Tourist Agency,
72 Yonge St., Toronto.

There are 205 in successful operation in Canada.

CHAS. F. CLARK, President. JARED CHITTENDEN, Treasurer.

ESTABLISHED 1849.

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THE BRADSTREET COMPANY

TORONTO OFFICE: Cor. Jordan and Melinda Sts

THOS. C. IRVING, Superintendent.

PERFECTION AUTOMATIC REVOLVER.



NEW Automatic shell extracting, double action, small frame. Weighs 12 oz. Rebounding lock. 32 caliber. 5 shot.

Made with shorter barrel for bicycle use.

The most perfect small pistol made.

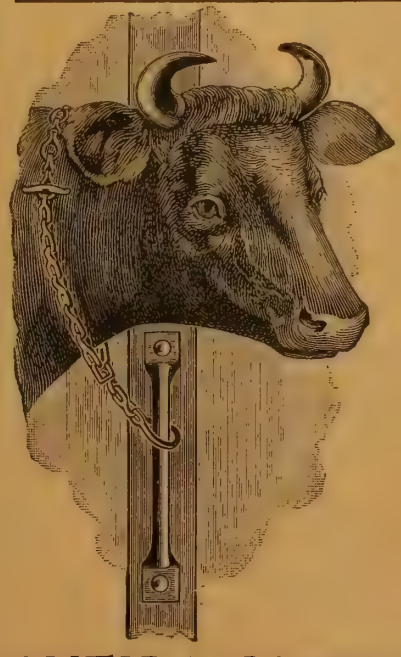
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Forehand Arms Co.

Manufacturers of the

Forehand Guns

Worcester, Mass.



Dominion Pattern

Cow Tie AND Stall Fixture

The special features of the tie and stall fixture are well shown in the illustration. As will be noticed the chain is very short which prevents all danger of entanglement with the animal's foot. At the same time the form of the fixture is such that great freedom is allowed to the head. Because of the short chain this tie is much cheaper than the ordinary patterns.

The stall fixture is made from a tough quality of steel and is very strong. Also, owing to its circular cross-section, it is exceedingly rigid. Its simplicity, convenience, cheapness, and ease of attaching make it very popular with cow tie users.

This form of tie and stall fixture are sometimes called Niagara pattern.

American or Flat Link Chain,

for years the standard cow tie chain in "the States," is now rapidly coming in favor in Canada. Its short link, handsome appearance and smooth surface—which cannot injure the animal's neck—make it superior to all other styles of chain for cow ties.

For sale by all Jobbers; manufactured by

ONEIDA COMMUNITY, Limited, NIAGARA FALLS, ONT.

Est. 1868 — Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve Medals

Awarded
By **JURORS** at
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Special Prize
Gold Medal at Atlanta, 1895

TO INSURE COMFORT AND SAFETY

...USE...

"Maltese Cross" Inner Tubes

AND

RIDE

HARTFORD TIRES

The Toronto Rubber Co.

Limited

158 Yonge Street - TORONTO, CANADA

THE CENTRE OF ATTRACTION IN THE STOVE TRADE

Is the... Celebrated **"Grand Jewel"**

15,000

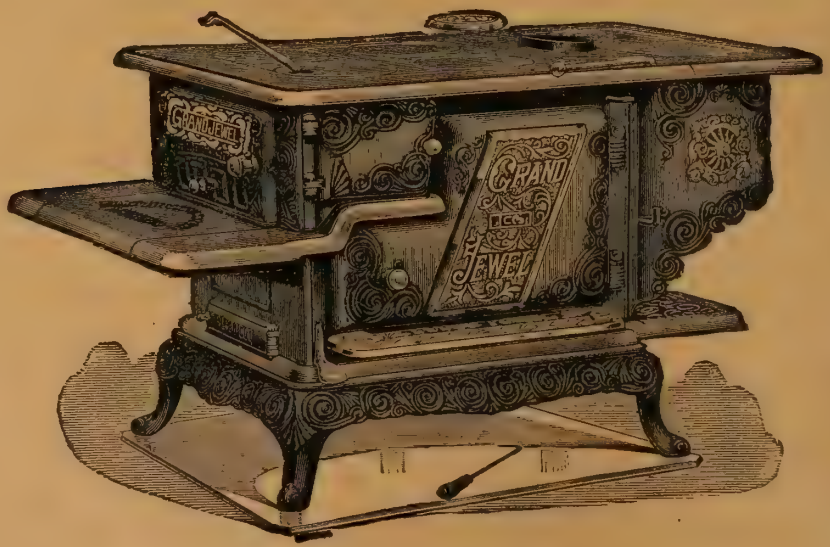
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GRAND JEWELS

have now been sold, and sales are . . .

Rapidly Increasing.

THIS LINE of stoves commands a liberal profit for all dealers.



This stove has more good selling points than any other stove on the market.

It is fitted with sheet steel oven, which is so braced that it is impossible for it to warp or crack.

ASK FOR DESCRIPTIVE CIRCULARS.

Sole Manufacturers,

THE BURROW, STEWART & MILNE COMPANY, Limited

HAMILTON, ONTARIO.

Refined, Reliable and Worth.
Langwell's Metal Alloys.
Montreal.

CANADIAN
HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XI. MONTREAL AND TORONTO, NOVEMBER 25, 1899. NO. 47



Magnolia Metal

Best Anti-Friction Metal for all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up in bars, of which this is a

FAC-SIMILE.



The name and trade mark appear on each box and bar, and besides this, the words "Manufactured in United States" and "Patented June 3, 1890" are stamped on the under side of each bar.

Magnolia Metal is still selling at the same price it has always sold at—no advance.

MAGNOLIA METAL COMPANY

LONDON OFFICE—49 Queen Victoria St.
CHICAGO OFFICE—Fisher Building, 281 Dearborn Street.
CANADIAN OFFICE—524 Board of Trade Building, Montreal.

Owners and Sole Manufacturers,
266 and 267 West St., New York



CANADA

"Queen's Head"

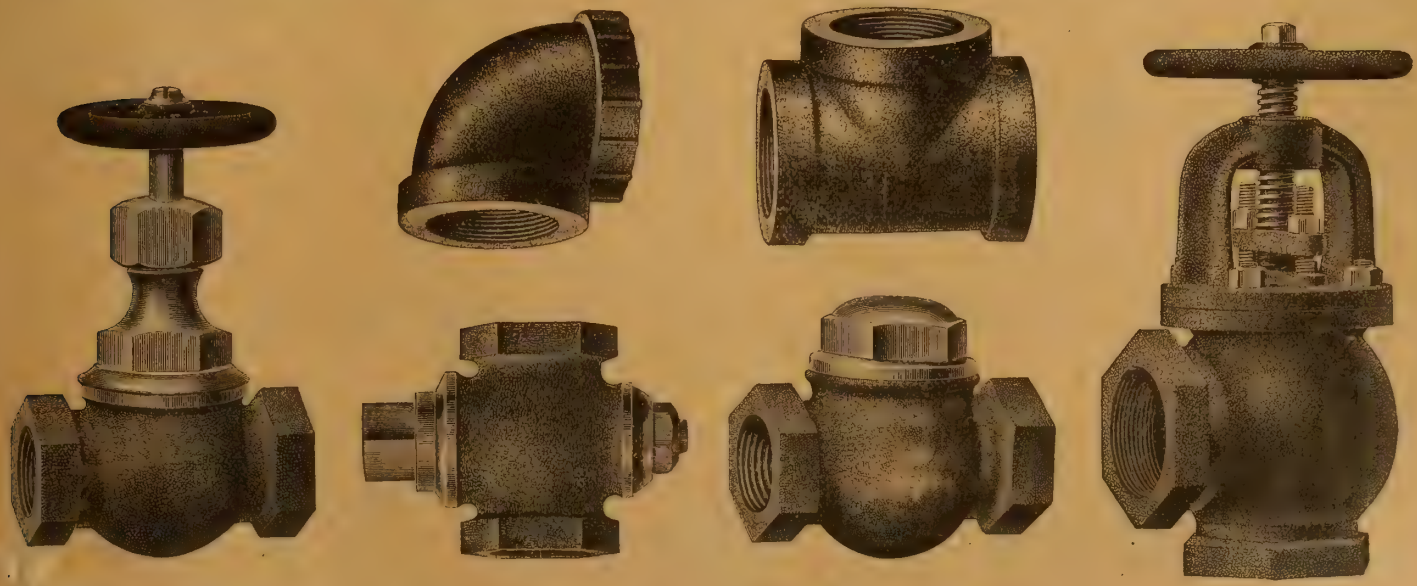
is sold in **every part of the world.**

"You can buy lower priced Iron, but you can't buy cheaper."

JOHN LYSAGHT, Limited

BRISTOL, ENG. MONTREAL

STEAM AND WATER FITTINGS



We carry a complete line of Engineers' Supplies of every description, and can ship goods same day as we receive order. Write for new price list and discounts.

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TORONTO, ONT. ...Limited

RICE LEWIS & SON

(LIMITED)

ARTHUR B. LEE, President. *A. BURDETT LEE, V. P. and Treas.*

FELT WEATHER STRIP

HARDWARE AND METAL

Cor. King and Victoria Streets ...TORONTO

SAVAGE REPEATING RIFLE

.303 CAL.



Hammerless
Smokeless
Six-Shooter

New 1899 Model

AGENTS:
Winnipeg, J. H. ASHDOWN
Toronto, RICE LEWIS & SON
Quebec, CAVERHILL, LEARMONT & CO.

LATEST and FINEST Rifle manufactured.

Write for complete Catalogue W.

SAVAGE ARMS CO., Utica, N.Y., U.S.A.

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HEINISCH SHEARS



ACKNOWLEDGED THE BEST.

Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.

R. HEINISCH'S SONS CO.

NEW YORK OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

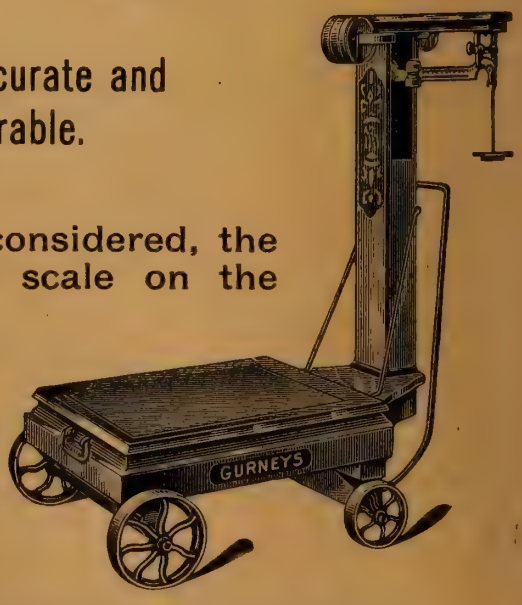
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CANADA'S BEST SCALES

GURNEY

Accurate and Durable.

Quality considered, the cheapest scale on the market.



A complete stock of Scales carried in Montreal by our Agent, WALTER GROSE.

THE GURNEY SCALE CO.

Hamilton, Ontario, Canada.

ESTABLISHED 1860 - - INCORPORATED 1895

OIL HEATERS



NEW PROCESS AND STANDARD.
GREAT HEATING POWER.

You cannot make a mistake in ordering either; with both you will have a winning pair. Send for booklets and prices.

THE

THOS. DAVIDSON MFG. CO., Limited

SOLE AGENTS FOR CANADA. MONTREAL.

Thresher Belts

CANADIAN RUBBER CO. EXTRA BRAND MONTREAL & TORONTO

with these brands are guaranteed in themselves of excellence . . .

Manufactured by

The Canadian Rubber Co.

Of Montreal

Factories and Head Office,

Capital, $1,500,000.00 MONTREAL

CANADIAN RUBBER CO. EXTRA HEAVY BRAND MONTREAL & TORONTO

Ontario Branch, Toronto
Western Branch, Winnipeg

Write for . . .

Samples, Lists, and Discounts.

"YANKEE" TOOLS

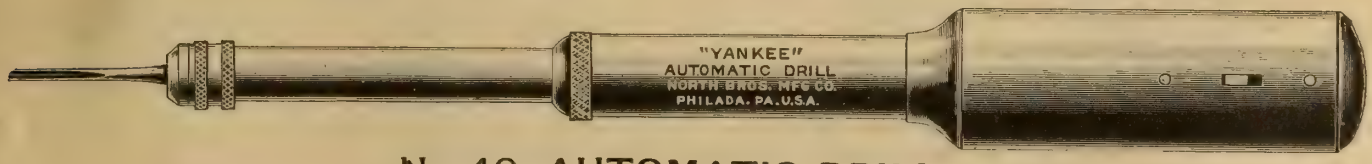
are sold by Leading Jobbers throughout the Dominion.



No. 10 RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.



No. 30 SPIRAL-RATCHET SCREW DRIVER.



No 40 AUTOMATIC DRILL.

FREE A handsome lithographed and embossed Sign in colors, on tin, to dealers handling these tools. Separate sign for each tool. Write at once which sign is wanted and it will be mailed post paid.

SEND FOR "YANKEE" TOOL BOOK.

North Bros. Mfg. Co.

Philadelphia, Pa., U.S.A.

Two Favorite Stoves that Sell Quickly

OXFORD TRIPLE HEATERS AND OXFORD JUNIOR OAKS.



For Coal or Wood.

The Triple Heater is unique among wood stoves, having 2 hot-air pipes as well as the smoke pipe. It does the work of a furnace, heating an entire house, and is appreciated everywhere for its fine ornamental appearance, ease of management and tremendous power. Its interior tubular construction gives magnificent results.

The Junior Oak

is a most popular stove for smaller work. It occupies small floor space—has a hot-air circulating flue at the back—and is complete in every modern detail of efficiency.



For Wood.

Write for particulars—we are prepared to fill orders on these most seasonable lines as soon as received.

THE GURNEY FOUNDRY CO., Limited, TORONTO

THE GURNEY-MASSEY CO., LIMITED, MONTREAL.

WINNIPEG AGENTS: 155 and 157 Lombard St.

VANCOUVER AGENT: C. A. GODSON, 151 Hastings St.

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ALL KINDS AND FOR ALL PURPOSES.

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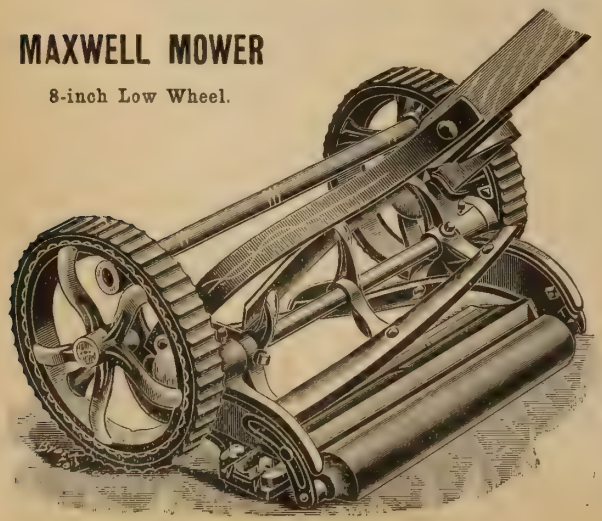
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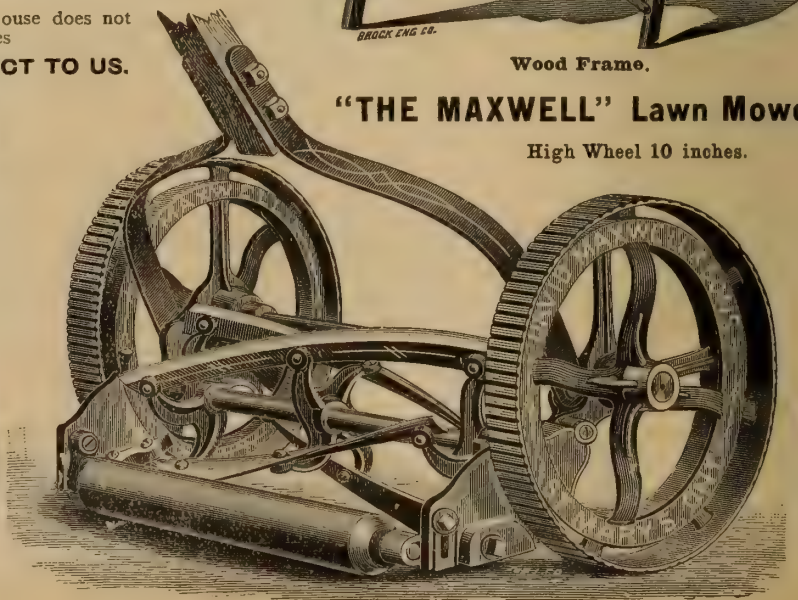
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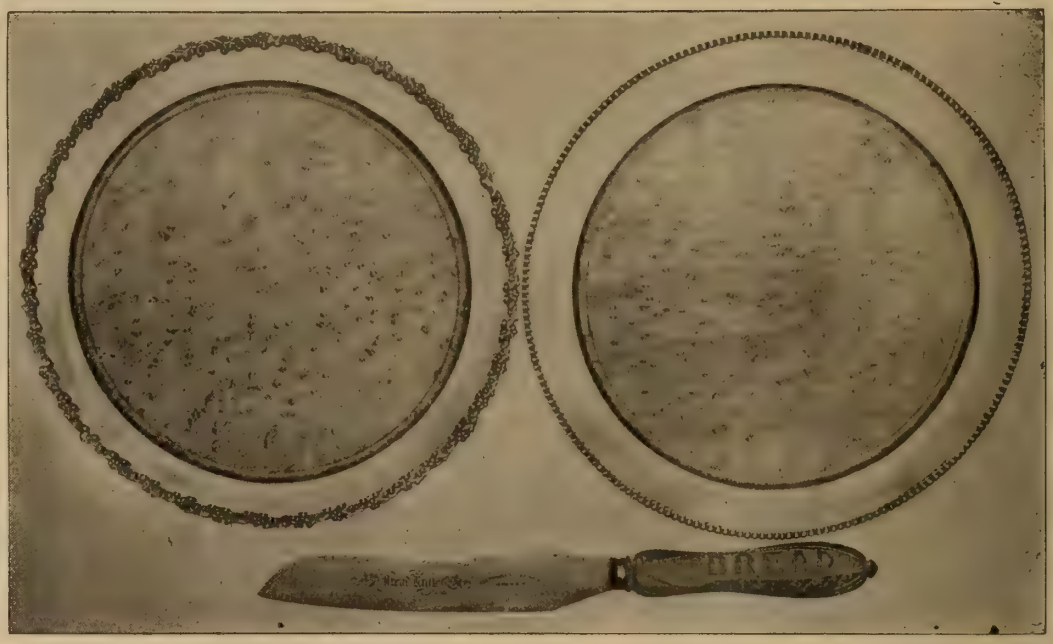
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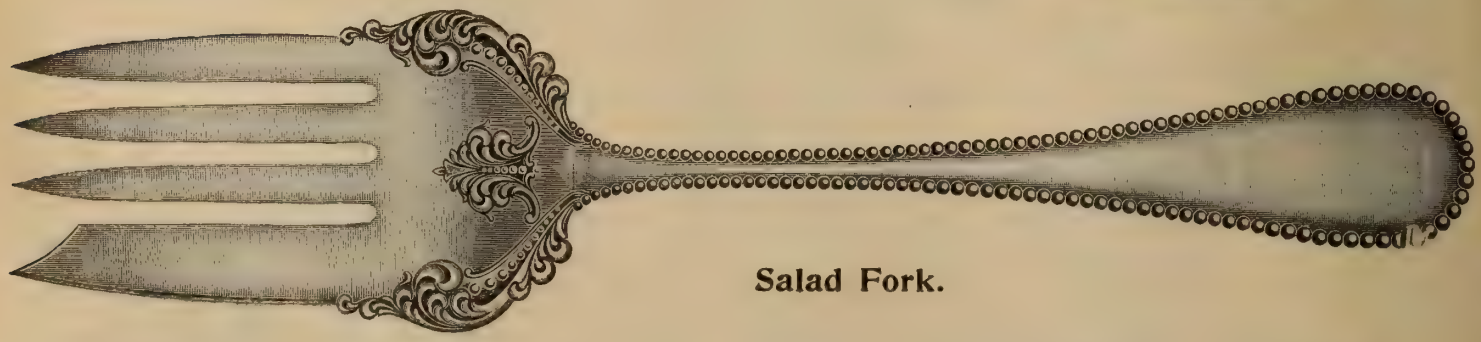


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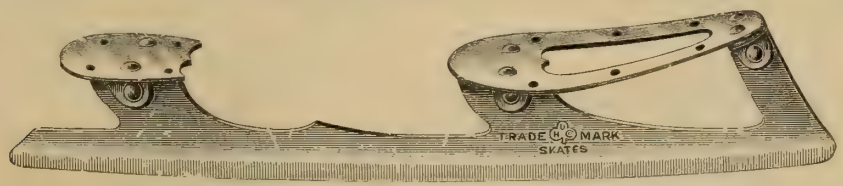
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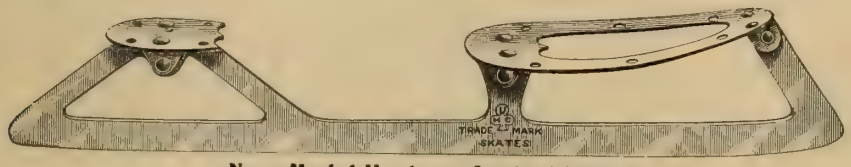
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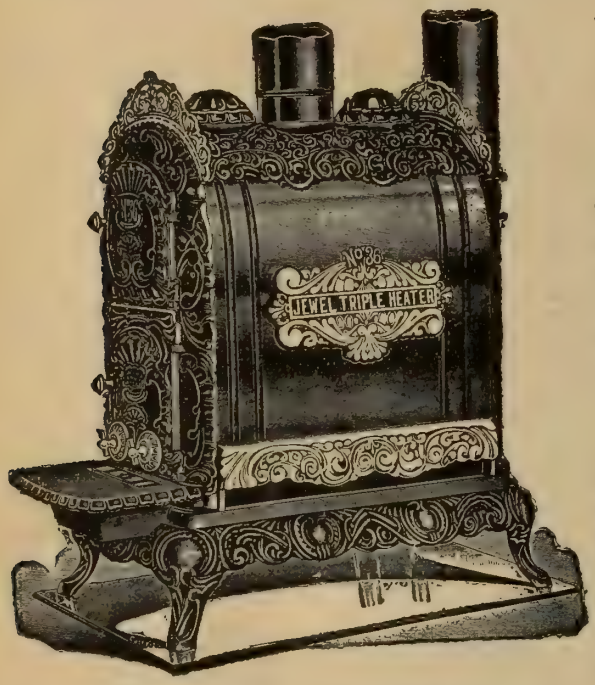
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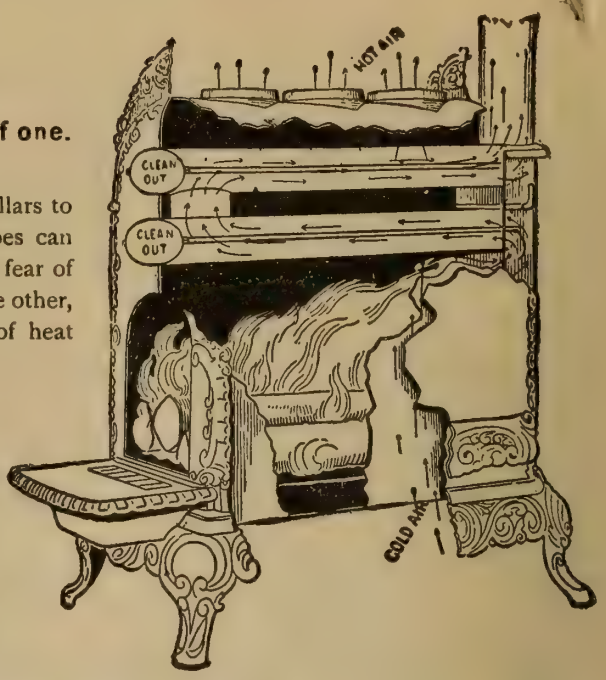


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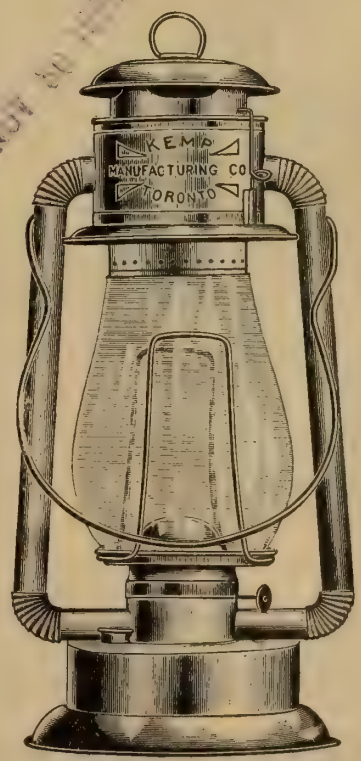
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HARDWARE AND METAL

Vol. XI. MONTREAL AND TORONTO, NOVEMBER 25, 1899. No. 47

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THE ACTIVITY IN TINPLATE.

THERE is strong probability of an advance in Canada plate before the beginning of next week, and, while tinplate prices have been shaded in Montreal lately, in some cases the feeling is also strong in consequence of advices from primary markets.

Advices from Wales, dated November 4, stated that the shipments of tinplate during that week had been very heavy, amounting to 70,000 boxes.

The receipts from works in the same period had been only 58,000 boxes, so that there had been a substantial decline in stocks, which were placed at 197,560 boxes on the date named. Advices of the week of November 11 reflect an even greater activity in the Welsh tinplate market.

Shipments for the week ending that date amounted to over 101,000 boxes, an increase of 31,000 boxes on the preceding week, being 27,000 boxes in excess of the receipts from works. Stocks, therefore, were substantially reduced to 170,000 boxes, a decrease in one week of 27,560 boxes.

Prices were quoted steady at 15s. to 15s. 3d., but, in consequence of the active demand and decreasing stocks, had an upward tendency.

Numerous inquiries on the market from America were one of the features of the situation.

OPPORTUNITIES FOR SUCCESS.

Opportunities for success in life come to every man. One man may have more opportunities than another, but all get some.

No man should be discouraged because his opportunities are few, for many of those who have become the most noted as merchants, as statesmen, as warriors, etc., have been those whose opportunities have been anything but numerous, if we can term affluence, influence and friends opportunities.

What a young man should be concerned about is not opportunities, but about his ability to grasp them when they come his way.

The young man who sets himself the task of mastering the details of the particular vocation in life which he has selected, and thinks and reads well, and saves a portion of his earnings, is preparing himself for opportunities.

Everything comes to him who waits—and prepares.

THE RISE IN COPPER.

THE price of copper in London has exhibited considerable fluctuation during the past three weeks.

When the month opened the quotation for spot stood at £72. From that price it gradually rose £3 the ton, until it reached £75. Since then it has reacted 5s., standing at £74 15s.

The advance was, no doubt, due to the improvement in the European position to the extent of 1,200 tons, on account of purchases in London on American account. It is worthy of note, however, that whereas at the opening of the month future copper was at a premium of 2s. 6d., it was on November 21 at the considerable discount of £1 15s. which does not show very great confidence in the stability of the recent advance in the market.

It may be noted also that the production of copper as reported for the month of October—23,980 tons—is the largest, for any single month in the history of the trade.

He who is born rich is often poorly equipped for life's battles.

CHAINMAKERS CONSOLIDATE.

Thirteen chain manufacturers in the United States have linked themselves together under the style of the Standard Chain Co. The promoters evidently have no faith in the good or bad luck of numbers.

It is only by being attentive to his business that a merchant can expect customers to be attentive to his goods. And it is not spasmodic attention either, but that which is steady and persistent.

PASSIVE BUSINESS MEN AND POLITICS.

DURING the recent elections in several States of the American Union, a great many dissatisfied business men refrained from voting because they felt that to contend against the machine in politics was a hopeless task.

There are in Canada business men who are of the same way of thinking. It is not, however, the right way of thinking.

What is commonly known in politics as the machine is undoubtedly a powerful instrument, for it is very seldom indeed that its voice is disobeyed.

But the machine is not powerful because of the many that compose it. It is composed of only a fractional part of the voting power of the party. But it is organized. And it is therein that lies the secret of its power.

A score or two of diciplined soldiers are the masters of a mob any day.

When business men refrain from exercising the franchise, because the respective political parties possess such limited quantities of the quality of business commonsense, they are only adding to the power of the machine. Naturally, on the other hand, the power and influence of the machine will be curtailed and minimized just in proportion as the business men of the country as an independent entity exercise their vote and their influence.

It is futile to attempt the improvement of the businesslike qualities of the members of Parliament and of the Provincial Legislatures by ignoring the only method that can be employed in securing the desideratum.

Reforms are not secured by passiveness. Aggressiveness, and decidedly active aggressiveness at that, is the only force that can create them.

Another 12 or 18 months will probably see Canada again in the midst of a Federal campaign. Already the leaders on both sides are making speeches in preparation for the final engagement, while the political parties in many of the constituencies have already selected their respective standard-bearers. It is obvious, then, that business men who are now passive in regard to such matters should become active if the proportion of business material in the House of Commons is to be improved upon.

Their influence should begin at the party caucus in the direction of securing the nomination for the right kind of man, letting it be known at the same time that unless the right kind of man is nominated the party cannot get their support.

The curse of this country is the professional politician: the man who earns his bread, not by the sweat of his own brow, but by the sweat of his country's brow.

If the business men of this country were to do their duty these professional politicians in Parliament would be as rare as they are now common, while there would also follow that other concomitant, better and more businesslike legislation.

There is, therefore, much to commend action on the part of the business men of the country, but nothing to commend passiveness.

PAPER BAG MAKERS CONFER.

The manufacturers of paper bags in Canada have for some time felt that they were not in as good position as they should be in regard to the purchasing of manila and other raw material. Some of them, at any rate, have come to the conclusion that the remedy lies in all the manufacturers purchasing their supplies together. By this means, they would be able to not only buy better, but sell better.

With a view to putting this idea into practice, a conference is being held in Toronto this week. There are present at the conference: Mr. Woodruff, of the Lincoln Paper Mills, Merritton; Kilgour Bros., Toronto; Messrs. E. B. Eddy and W. H. Rowley, of The E. B. Eddy Co., Limited, Hull, Que.; Mr. DeLisle, Que., and Mr. Wilson, of J. C. Wilson & Co., Montreal.

Should this particular scheme be consummated it is thought that it may lead to an actual consolidation of the various paper bag making concerns in Canada, for it is well known that the competition in this industry has been rather excessive of late.

In the meantime, prices on paper bags have been withdrawn.

GERMAN SKATES.

Recent advices from Germany indicate a material advance in the prices of skates for the next year's trade. The retailers throughout Canada have, no doubt, had an opportunity long before this to place their season's requirements, and these early orders have been largely filled.

It is likely, as soon as the jobbers realize the position, that they will hold what skates they have on hand at a considerable advance on present prices.

The advances made in Germany, or the quotations for next season, are from 25 to 33⅓ per cent. higher on each number of spring skates. The quotations on hockey skates have not yet been given, although it is quite certain that they will be advanced in the same proportion.

Retail merchants who have already their supplies of skates for their holiday trade, are fortunate, and the jobbers are also fortunate in being in position now to get a much higher price on those skates they have on hand, or even those they may carry over to next season.

Perseverance with common sense will bring prosperity, for perseverance is like an auger—the more you exercise it the more progress it makes.

BRITISH VS. U. S. CHAIN IN CANADA.

THE sharp advances which have taken place in the price of coil chain in the United States have, for the time being at least, again given the Canadian market to the British manufacturer, who, up to a short time ago, was gradually losing his trade in this country.

In Canada, to-day, jobbers are selling coil chain to the retail trade at prices which are from 15 to 20 per cent. below even the manufacturers' figures f.o.b. Pittsburg.

There was some inquiry a short time ago for United States chain for special purposes, but even in this instance the buyer could not pay the price that was asked on account of its extreme highness as compared with the English-made article.

The following table gives an idea how the Canadian import trade in chain, as between Great Britain and the United States, has been tending during the last few years:

	Great Britain.	United States.
1893	$40,426	$ 5,709
1894	28,195	9,504
1895	44,918	12,652
1896	56,439	18,926
1897	38,435	29,301
1898	29,030	70,825

THE PAYING OF DIVIDENDS.

The Farmers' Binder Twine Company, of Brantford, an institution formed to save the poor agriculturist from the grasp of the cordage monopolist, it is announced, have declared a dividend of 100 per cent. on last year's business. It is not known how far the farmer was saved, but the monopolists have been made envious.

THE above is quoted from a leading Canadian daily, not for the purpose of discussing a political question, but rather of commenting on certain economic conditions. The circumstances of any case are, of course, to be taken into consideration before a verdict as to the dividend paid can be rendered. Capital may be small or it may be large.

The desire is, however, to draw attention to the advisability during the present prosperous epoch of manufacturing firms saving their strength, and paying moderate dividends.

The most conservative and cautious individual has by this time been forced to the admission that the prevailing prosperity is no dream, but an actuality which has made itself universally felt. It is not open to an intelligent person to doubt that depression, and good times recur periodically quite irrespective of Government legislation, and to argue the point constitutes the part of the candidate for Parliamentary election. But the great danger lies not in the unwillingness of the timorous set to believe in and take proper advantage of the present chance. Their failure to buy up the opportunity carries along with it no particular risk to themselves or others. The result is simply that they miss something which they might have had.

The difficulty is to persuade some of the more eager of the fact that present conditions cannot in the nature of things last for an indefinite period. They may continue for a term of years, and it is to be hoped they will. There is no indication from any quarter of a turn in the tide; but the turn is as certain to come as night is to follow day, and when it comes it will be well for the man who has his affairs ordered in anticipation of the event.

The day of big profits and small volume is past, and will never be recalled. Merchants in all lines have recognized this, and are content to make the basis of their system that of small gains here, there and everywhere throughout a large field. The same argument holds good in the matter of dividends, and it is a subject for congratulation that so many firms have become convinced that the wise course is to husband their forces by not launching out too deeply.

No one needs warning in hard times about economy. He has got to practise it from the exigencies of the case; but persons are frequently led into mistakes of overconfidence when things are swimming. Actually, there are those who insist that everything will be all right for the next quarter of a century. It sometimes seems to be overlooked that the same rules pertain to companies as to individuals, and more than one concern has recently gone down as a result of flying too much sail.

SCREEN DOORS AND WINDOWS UP.

Dealers will next season have to pay in the neighborhood of 20 to 30 per cent. more for their screen doors and windows than they did during the past season, the manufacturers having announced an advance in prices by that amount.

The cause of the advance is the increased cost of both wire and lumber.

SCRAP IRON DEARER.

The heavy advances that have been made in the price of pig iron during the past year have not until quite recently been followed proportionately in the scrap metal market.

The cause has been that deliveries of scrap have increased with the demand. This growth in the supply is probably due to the fact that good times have induced many consumers of iron to discard old machinery, stoves, etc., and replace them with new. Much of this discarded material naturally found its way to the scrap heap, thus keeping the supply almost equal to the demand.

The foundries, however, continue to consume large quantities of both pig and scrap iron, and, as deliveries of the scrap have been retarded by bad roads, prices have been raised, with the hope of increasing the supply.

The advances have been considerable in all lines. Stove cast scrap has been advanced 10c., the price now being 40c. per 100 lb.; a rise of 15c. in the price of No. 1 wrought scrap brings it to 60c. per 100 lb.; a similar advance brings machinery cast to 65c. per 100 lb.; in agricultural scrap, prices have been raised 25c., the quotation now being 65c. per 100 lb. These are the prices, it should be explained, which dealers are paying.

ADVANCE IN FENCE WIRE.

THREE or four lines of fence wire have been advanced this week in price. Barbed wire, according to this change, is now quoted to retailers at $3.25 f.o.b. Cleveland for carlots and $3.35 for less quantities. The ruling quotation from stock is $3.60 Toronto. Plain twist is quoted at the same price as barbed wire.

The idea for plain wire is $3 f.o.b. Cleveland for carlots and $3.25 for less quantities.

A year ago the price f.o.b. Cleveland for barbed wire was $1.70 per 100 lb. in carlots.

The price of galvanized wire has also been advanced, and we now quote as follows to the retail trade: Nos. 6, 7, 8, $4.25; No. 9. $3.55; No. 10, $4.40; No. 11, $4.45; No. 12, $3.70; No. 13, $3.85; No. 14, $5; No. 15, $5.30; No. 16, $5.50.

BRUSHES DEARER.

The Canadian manufacturers of brushes have advanced prices all along the line by reducing the discounts on all goods. The discounts now being quoted are as follows:

Painters' goods — including whitewash brushes, also hair brooms, dusters, etc.— and stable brooms, 20 per cent.

Camel, fitch, bear and sable hair brushes, 10 per cent.

Badger-hair brushes, 35 per cent.

Drawn work, including scrubs, shoe, stove, dander and horse brushes, etc., 10 per cent.

The cause of these advances is the heavy increase that manufacturers have to pay for bristles and other materials necessary to the making of brushes.

The quotations that are now given are subject to change without notice, as the manufacturers anticipate further advances in the price of their raw materials.

ADVANCE IN CANADIAN PIG IRON.

Canadian pig iron, like that of United States manufacture, continues to appreciate in value.

According to the latest quotations which HARDWARE AND METAL has received, the price of Hamilton iron is now up to $24 to $25 per ton at the furnace. Something like a year ago this iron was selling at $12 to $13 per ton.

Importers in Canada have also been advised of an advance of $1 per ton in Tonawanda iron, making the price of No. 1 $24.50 per ton.

GETTING AND KEEPING A BUSINESS POSITION.

By Robert C. Ogden.

THERE is a wide margin between securing employment and establishing a business position. The former is hard enough, the latter much harder, and this in spite of the fact that now, as never before, the business world is demanding men sufficiently capable and honest to fill places of trust and responsibility. But there is no experience which, to an employer of sympathetic temperament, who has to do either directly or indirectly with the employment of large numbers of people, is so sad as the unceasing procession of men and women seeking employment, who are not fitted either by training or character for any definite and special service. This condition has always existed, and probably always will, despite the liberal amount of advice and suggestion that has been so freely placed before every youth in the generations past and present.

A true young man, comprehending himself, having a proper self-respect, will understand that success is normal, failure abnormal. This is implied in Bishop Brooks' remark that "True human life begins with its circumference, as it were complete, and then fills in its space with its details." The accomplishment of any true development in life is based upon broad ideas, noble ambitions, splendid enthusiasm of the possibilities of living. There is vast inspiration in a comprehension of results of human effort in every field of action. Science and the mechanic arts, literature and the fine arts, business enterprise and commercial progress, every sphere of human activity, are radiant with illustrations of individual success and brilliant work, a great aggregation of mental, material and moral achievements.

The conception of an ideal of what human ability can accomplish, the conscious possession of the same human qualities as have brought reward to so many others, should fill a young man with honest pride that he is a man, enjoying equal chances in the work of the world with others who have achieved. Thus he may have a stalwart self-respect that will be to him a lifting power from within, will create a power of resistance to temptation from without, and lay the foundation for the qualities of character and industry that are essential to true success in getting and keeping a business position.

Intelligent earnestness is essential, and ultimately always wins. The words are easily read, but their translation into action calls for the best effort of which one is capable.

Intelligent earnestness includes a great deal. It takes careful account of all details, especially the indications that are implied in personal appearance. A boy looking for a place must do it thoroughtfully. He should be clean and neat. I have known clean hands and white finger-nails to decide the question in favor of a boy's employment, and I also have known black-rimmed finger-tips so to indicate slovenly carelessness as to cause a refusal. Costly habit is not needed, and showy dress is positively prejudicial.

HOW A NEW ENGLAND BOY MADE A NAME FOR HIMSELF.

It is nearly half a century since a boy that I knew came from a New England arm to seek his fortune in New York, alone, friendless, and barely fifteen years old. Nearly at the close of his first day in the metropolis, having gone from store to store all day long, meeting with sharp rebuffs and coarse denials, he entered the large warehouse of a great firm. His wit had been sharpened by disappointment, and he keenly asked for the office of the senior partner. Obstacles were put in his way, but after a little he gained the desired audience and stated his case. In reply to a question as to what he could do, he simply replied:

"I can do anything that a country boy of my age can."

"Can you get here early in the morning, sweep and dust this suite of offices, build the fires and do my errands?" the old gentleman asked.

"Yes, sir; I can do all that, and I am ready to begin to-morrow morning."

His quick wit, modest, manly earnestness, secured the place at once. The pay was small; a margin of fifty cents a week was all that remained over his board bill, but his salary was advanced three times during the first year, and at Christmas time fifty dollars that his father had with difficulty spared, to be used in case of need, was repaid and the boy had a proud sense of honest independence. In seven years he was a partner in the firm. By fidelity he had made himself indispensable.

Many years ago I knew a young man belonging to a family of high position in one of the continental countries of Europe. After a time his support from home ceased and he was suddenly thrown upon his own resources. Without knowledge of any business, but full of dead earnestness, he began work. His first employment was as a mechanic's helper. Quickly he became a mechanic, but soon felt that he was fitted for a higher place. He canvassed a business district and found small encouragement. His impulsive manner and broken English were against him. Finally, in the office of an important firm, he was asked how much he had been earning, to which he made the somewhat brusque reply: "Not enough to live upon, but too much to die upon." The partner with whom he had been talking dismissed him with denial. Another partner, being much impressed by the conversation, recalled him and an engagement followed. Shortly the young foreigner eclipsed every other employe in the business. There was nothing he could not do, and do better than his fellows.

Conscious of his capacity, he demanded a partnership, but there was no position in the firm for him. Too progressive to be permanently kept in a subordinate place, he left his situation and struck out for himself. Before long, he was a creditor of his former employers. Wealth came quickly, a career of prosperity followed, which lasted until his death at mature middle age, and a handsome fortune fell to his heirs.

These bits of experience, to which I have een a witness, are given to enforce the proposition—intelligent earnestness always wins. Note the words. "Intelligent"—that is, such thoughtful, considerate, and wise display and application of energy as to make power effective. This point has a very important relation to each element of our subject, for it is a powerful factor both in securing employment and creating a business position.

PLENTY OF OPPORTUNITIES FOR AVERAGE MEN.

It sometimes occurs that young men born to wealth or commanding the power of influential friendships find a start in the business world comparatively easy. Occasionally, there is a genius, but neither wealth nor genius will make a position without the qualities of persistence and industry. Observation of the men who are filling eminent and powerful places in the business world proves the proposition that exceptional intellectual ability is not needed to secure success. Average men run the business affairs of the world, and the highest places are at the command of such

WIRE NAILS
TACKS
WIRE
Prompt Shipments
The ONTARIO TACK CO.
Limited
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men, provided that they display fidelity, industry, and intelligence, and are vitalized by character.

Two comparatively young men are now presidents of great railroad corporations. They are much in the public eye, and the world recognizes their superiority. The distance from the place of a hand on a gravel train to the presidency was short for one of them ; for the other it was rapid promotion from a switch-tender's place to the headship of a corporation. You would not call them brilliant, but they are brainy, and with each of them force of character, simple, unobtrusive, without vanity or pride of position, impresses all with whom they deal.

Qualities that make men really valuable are recognized, and the places to be filled are seeking men to fill them. Not long ago, the directors of a great corporation were in session, facing with uncertainty the filling of a vacant presidency. The masterful man of that board stated that a certain party, whom I will call B, was the man required for the place. Now, B was at that time filling an important subordinate place in another corporation. A two-minutes' conversation over a telephone, that followed, lifted B to the presidency of a great railroad system. So do the places find the men.

My own sphere of information is small, and yet I know, as I write, of four places that carry salaries varying from $30,000 to $50,000 a year that are, and have been for months, seeking for proper incumbents. But great places are not seeking for unable men.

It generally occurs that the prizes of business life are not secured by the men whose thoughts and schemes are expended upon seizing them. Everywhere, in all ranks of employment, are men that take themselves too seriously. Such, almost without exception, are the men whose interests are exterior and not interior. Their efforts are not directed towards self-improvement, towards the rendering of a better and increasingly-improving service to employer or to the world. The first requirement is to be fitted for better and higher things ; the second is to attain them. Preparation comes by painful steps and slow ; promotion comes frequently to the truly earnest man as a surprise.

There is no position more pathetic than that of the overplaced man. His fall is usually only a matter of time. The world's judgment is accurate and almost inevitable. It is, therefore, of the utmost consequence that a man, whatever his position, should know the strength of his tenure. Let a man judge of his hold upon a place with an honest self-respect, conscious of what he is and can be ; but, as he values his position, let his self-judgment be free from vanity, conceit or narrowness.

If I understand the question of the editor of The Saturday Evening Post, he wants special and definite suggestions to young men upon how to create and keep a position. The answer has been somewhat anticipated in the foregoing. Other fragments can be added, but the result, so far as this article is concerned, will be partial.

SOME MAXIMS WORTH REMEMBERING.

No employe can succeed unless he commands the confidence and respect of his employer. A sure road to loss of place is laid out when a young man concludes that he can leave ethics out of his theory of obligation to his employer. It is a cheap fallacy for a man to say that so long as he gives his employer the stipulated time and service the remainder of his life is his own to do with as he pleases. Poor fool ! Underneath all is character. Utter fool is he that supposes he can compromise ethics and not have his life reflect the surrender.

Beer or whiskey at lunch by many signs give token of their presence. The night's dissipation is attested by a cloud of witnesses in the morning. Debt with persons earning fixed incomes is frequently either dishonest or productive of dishonesty. Money obligations by an employe to persons with whom the employer has the business relation of purchaser or patron are almost without exception fraudulent. Eye service that depends for fidelity upon the employer's presence is merely stealing.

Innocent pleasures and proper recreation, if carried to such an extreme as to become an object, and not an incident of life, subordinates business to outside enjoyment, and thus renders proper service from employe to employer impossible.

This list of debasing influences might be greatly extended. They tempt men, especially younger men from the strict line of business duty, and by impairment of character and limitations of habit are fatal to success. The fatality arises from the impossibility of concealment. Influences for good or evil are quickly apparent and results follow causes.

As a general statement, it is true that a young man's career is absolutely in his own keeping, and he is thus the master of his own destiny.

It is, therefore, axiomatic that, given a chance by securing employment, a young man creates his own place. Every occupation gives abundant field for study. In trade, a young man should know his stock, should master all knowledge that pertains to his merchandise, whence it is derived and how produced. If manufactured goods

The Man on the Scaffold

must needs have confidence in the ropes. He won't take the risk of going up when they're frayed. That would be needless—he can get safe ropes if he wants them.

Yet, the same man will often take many needless risks in the paint he uses. He'll mix it himself and take the chances of any one, or all, of the ingredients not being right. The lead may be impure or off-color, the oil may be adulterated and the turpentine fixed. He hasn't the facilities for testing the materials and so takes the risk. But it's a needless risk. He can get safe paint if he wants it. He can have every ingredient thoroughly tested beyond all possibility of impurity if he uses

THE SHERWIN-WILLIAMS PAINT (Prepared)

and more than that, he'll get the ingredients properly proportioned and properly ground and mixed. He'll get everything as it should be.

Isn't that the kind of paint you want to sell him ?

THE SHERWIN-WILLIAMS CO.
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CLEVELAND.
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he should know the history and development of the art represented and its relation to other arts. There is always a literature concerning any of the arts that gives the things demanded by the needs or tastes of our civilization. To master the special literature of his occupation should be the aim of every young man. Banking, railroading, shipping, insurance, the mechanic arts, and many other vocations are founded upon scientific systems. The superficial man will be content with knowledge of the routine that has to do with daily work, and the result will be commonplace mediocrity. The thorough man will be discontented unless he is always learning.

THOROUGHNESS THE CORNER-STONE OF SUCCESS.

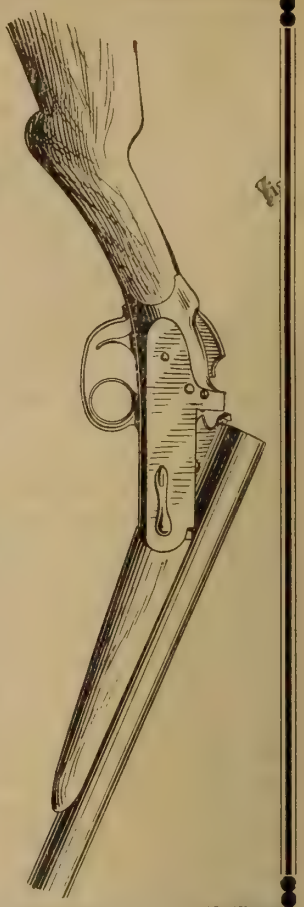
In the Civil War times, when the entire financial interests of this country underwent sudden transition, a young man came very suddenly into a very commanding banking position. His influence was widely felt, and his remarkable ability quickly made him a power in money affairs. Added to stalwart honor and industry that knew no pause was his mastery of all the details of his business. But this knowledge was not a sudden acquisition. As a boy in a country bank, doing errands and attending to the office, he lost no proper opportunity to make himself familiar with every detail of the bookkeeping, the routine of all the bank business, and, as a boy, before any responsibilities of an important character had come to him, he was thoroughly posted in all that could be learned in the limited sphere of a country bank. Thus began a distinguished and successful career.

That boy was father of the man he came to be. Intense application is needed always in the creation and maintenance of a business position. It demands the highest and most persistent devotion, second only in its obligation to religion. God first, business next, should be the aim of every young man struggling for place and promotion. Study of the careers of successful men is always most interesting, and I would suggest that there is no more profitable knowledge to be acquired by a young business man. But, there should always be the limitation that comes with a proper definition of success. There are great and successful men, as the world goes, who may serve as models for work, but whose aims in life are so utterly unworthy—men who make money their god—as to be frightful examples of the debasing power of success, when money and position become an end and not an incident of life. Money is a good friend, if rightly used. Power and influence are blessings, when their use is controlled by lofty purposes. But money, power and influence, when controlled by

Want a Gun?

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New Principle.
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OF GALVANIZED SHEETS?

If not, why not give it a trial? The Sheets are patent flattened, uniform in quality, well galvanized, and suitable for any work that Galvanized Sheets are used for. Weight and count of Sheets per case equal to any brand imported.

Another important consideration why you should buy these Sheets is the price, which is **LESS** than that of any other high-class Galvanized Sheet in the market.

STOCKS CARRIED BY ALL WHOLESALE JOBBERS.

If your jobber does not stock it, full information can be had by addressing

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WHOLESALE ONLY

37-39 Front Street West, **Toronto.**

ONLY WHOLESALE

"Mic-Mac" Hockey Sticks.

"Mic-Mac"
Natural-Grown Crook.

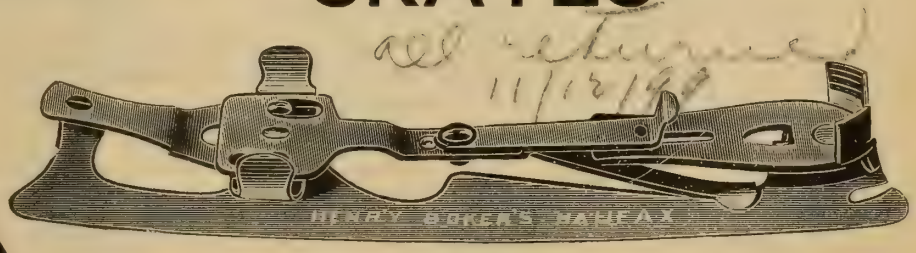


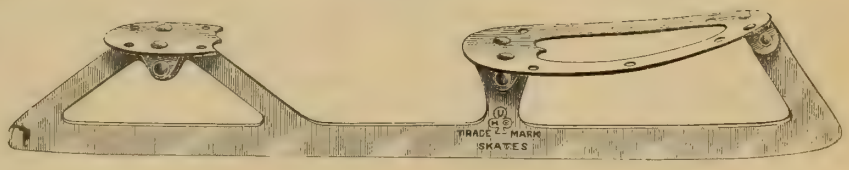
"Mic-Mac"
Natural-Grown Crook.

The "Mic-Mac" Sticks are superior to all others. They are not bent by **artificial** means, but are shaped when growing, therefore, they have a **natural** crook.

We can only procure a limited quantity of these celebrated Sticks. Orders will be filled as received.

SKATES





Hockey Pucks

REGULATION SIZE

SOLID RUBBER.

All kinds of
HOCKEY and SPRING SKATES.

WRITE FOR CATALOGUE.

H. S. HOWLAND, SONS & CO., TORONTO

LETTER ORDERS SHIPPED PROMPTLY.

Graham Wire and Cut Nails are the Best.

OUR PRICES ARE RIGHT

selfishness, become a curse that debases the mind and corrupts the heart. Therefore, study men, but learn to study them intelligently.

LEARN TO WRITE WELL AND SPELL WELL.

There are apparently small things that have much to do with success—things small in themselves but great in their influence. Prominent among them are good penmanship and good English. These accomplishments develop accuracy and refinement. Good health is a duty that cannot be ignored. Without it success is doubtful, and it is easier to secure and to retain than thoughtless young men are willing to admit. Neatness in personal appearance is another duty, and, like health, it can be maintained at far less cost than many suppose, these several things, and others equally simple, create an influence of gentility that is essential in business relations. Good breeding is on the increase in this country, and it counts powerfully as an element of success.

For a final word, let me call attention to the thought suggested at the beginning—namely, that a complete life, thoroughly rounded physically, mentally, spiritually, is the life that contains within itself the elements of success in material equally with higher things. The bane of living is incompleteness. The difficulty is that character is improperly centred, that young men do not see their problems, whole, large, complete. It needs to be such a dreaming of dreams and seeing visions as creates ideals—sentiment, but not sentimentality. Then, the struggle of life is to keep them. Occasionally an old man survives, bright, pure in heart, hopeful, radiant. Such are a matchless inspiration ; always they are men that got their positions and kept them.

The life of additions creates and keeps a position ; such is a growing life. The life of subtractions fails either to create or to keep a position. Every compromise of principle, every act for which apology or explanation must be made, every deed that must be covered with darkness, is a deduction. Add constantly, and you will both get a position and keep it.—Saturday Evening Post.

The house, furniture, etc., of George F. Stone, who until recently conducted a general store in Digby, N.S., have been sold at sheriff's sale.

One of the striking indications of business prosperity in Canada is the large increase in current railway earnings. During the last week Canadian Pacific earnings increased $118,000 over last year, the total for the week being $674,000. Street railway earningsalso continue to show large gains.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

A MEETING of the creditors of Thomas W. Dodds, general merchant and egg dealer, Woodville, Ont., has been called for November 28.

A. Tessier, general merchant, St. Casimir, Que., has assigned.

Thomas Rooney, blacksmith, Fallowfield, Ont., has assigned to Thomas W. Kenney.

A. A. Black, general merchant, Walkerton, Ont., has assigned in trust to Henry Barber, Toronto.

Assignment has been demanded of Alex. Blair and E. Lecombe & Co., general merchants, Chicoutimi, Que.

Lefaivre & Taschereau have been appointed joint curators of J. Chandonnet, general merchant, St. Jean de Chaillons, Que.

Gerrard A. King, doing a small hardware business in Toronto under the style of The Montreal Hardware Company, has assigned to Henry McLean, Toronto. A meeting of creditorswill be held on Monday, November 27.

PARTNERSHIPS FORMED AND DISSOLVED.

Abbott & Co., founders, Montreal, have dissolved.

Rogers & Rogers, bicycle dealers, etc., Summerside, P.E.I., have dissolved, W. K. Rogers continuing.

Panneton & Blouin, hardware dealers, Three Rivers, Que., have dissolved, Arthur Panneton continuing.

Thomas Burnside, general merchant, Bothwell, Ont., has admitted E. Drummond under the style of Burnside & Drummond.

SALES MADE AND PENDING.

W. S. Newsome, general merchant, Bedeque, P.E.I., has sold out.

The assets of W. Granger, hardware dealer, Montreal, have been sold.

The assets of E. W. R. Phillips, general merchant, Bath, N.B., are to be sold.

Claude H. J. Knapp, general merchant, Red Rapids, N.B., is advertising his stock for sale.

The Weidmann Stave and Heading Mills, manufacturers of staves, etc., and general merchants, Weidmann, Ont., are advertising their general business for sale.

The stock of J. Raymond & Co., general merchants, St. Anne de Beaupre, Que., has been sold at 74c. on the dollar. Fortier & Corriveau, general merchants, of the same place, were the purchasers.

CHANGES.

P. J. Murray, general merchant, Hickson, Ont., has sold out to J. T. Loveys.

W. A. Moir, general merchant, Down Mills, Ont., has sold out to M. S. Blackburn.

Walter Palmer, blacksmith, Blenheim, Ont., has been succeeded by Albert Pickering.

Paul Bertrand, sawmiller, etc., Masham Mills, Que., has been succeeded by Maurice Bertrand.

FIRES.

Thomas W. Purvis, general merchant, Millville, N.B., has been burned out ; loss $4,600.

The premises of Henry Crawford, stove and tinware dealer, St. John, N.B., have been damaged by fire ; insured.

DEATHS.

D. W. Johnston, of Johnston Bros., hardware dealers, Seaforth, Ont., is dead.

A SMART SALESMAN.

The Washington Evening Star tells a story of a Kentucky postmaster, which illustrates the value of credit and the resourcefulness of both buyer and seller in the case, rather than the advantages enjoyed by Kentucky trading postmasters.

Most salesmen would have left the trader to buy the postage stamps of the Government, and by so doing lose the sale of his goods. The trading instinct in this instance came to the fore and made both ends meet.

"I obtained a peculiar order from a Kentucky storekeeper," said a cigar salesman. "I left the railroad to work some interior towns and stopped at the country stores en route. At one of these places I found a man whom the commercial agencies gave a good rating, and who acted as postmaster as well as storekeeper. I handed him my card and he said :

" 'Thar ain't but one thing yo' kin sell me.'

" 'What is that?' I inquired.

" 'Yo' kin sell me 'bout $50 wuth o' stamps, envelopes an' postal kyards.'

" 'Why, you can get them from the Government.'

" 'No, I kain't. Yo' see they won't credit me. I hav ter sell stamps and put 'em on people's bills, but th' Government won't let me hev none 'thout sendin' th' money. 'Tain't right, o' cose, fer I'm good, they orter know thet. But I hain't got a stamp nor a kyard in th' office, an' no way ter git none. I'll hav ter buy 'em somewhars.'

"After becoming convinced of his solvency, I sold him a line of stamps, stamped envelopes and post cards, to be shipped with a bill of cigars."



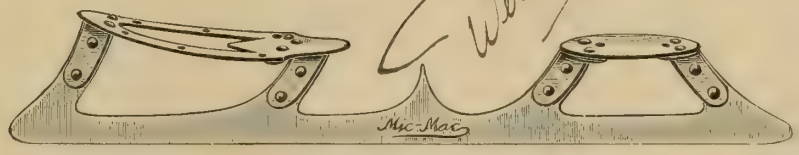
STARR SKATES

THE ACKNOWLEDGED STANDARD OF THE WORLD.

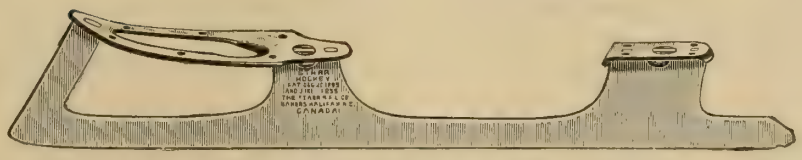


IMITATED BUT NEVER EQUALLED.

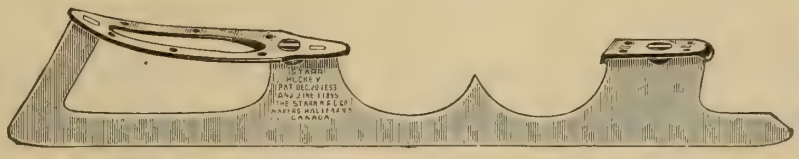
We... Guarantee our numbers 7 and 10 Quality against breakage from any cause whatever.



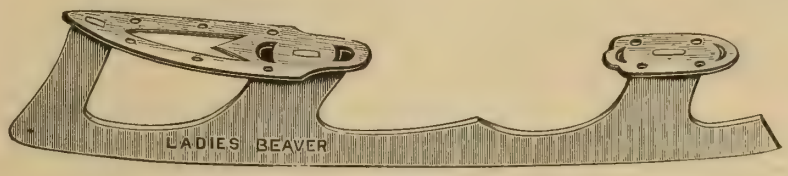
THE NEW MIC-MAC.
Trade Mark Copyrighted.



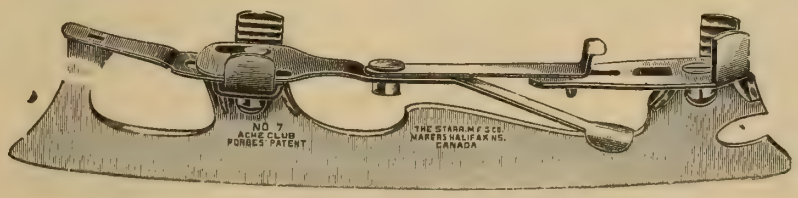
1899 Starr Hockey. Lightest Made. Patented.
Tops tested to a breaking strain of 1,100 lbs.



Starr Puck Stop Hockey. Patented.



The Dainty Ladies' Beaver.



The Genuine ACME.

SEE that our NAME is plainly stamped on all Blades of Skates.

Beware of Imitations.

The Starr Manufacturing Co.

ESTABLISHED 1868. LIMITED.

Halifax, Nova Scotia CANADA.

MARKETS AND MARKET NOTES.

QUEBEC MARKETS.

MONTREAL, November 24, 1899.

HARDWARE.

THE volume of business in hardware, though it has shown some decrease, owing to the higher railway freights, is still of considerable proportions. A good inquiry is noted for cut and wire nails, horse nails, horseshoes, screws and rivets. In seasonable supplies, also, such as snow-shovels, table and pocket cutlery, skates and winter sporting goods generally a fairly brisk business is noted. The general steadiness in values continues unabated; in fact, further advances are not improbable.

BARBED WIRE—Trade is light and prices are unchanged at $3.40 to $3.50.

SMOOTH STEEL WIRE—The market continues quiet with prices as last quoted, at $3 35 per 100 lb.

GALVANIZED WIRE — Prices steady with trade quiet. We quote: Nos. 6 to 8, $3 80; No. 9, $3.25; No. 10, $3.85; No. 11, $3.95; No. 12, $3.40; No. 13, $3.55; No. 14, $4 25; No. 15, $5 25, and No. 16, $5.40.

FINE STEEL WIRE—Discount 12½ per cent., with trade light.

BRASS AND COPPER WIRE—As last reported. Discounts remain 50 and 2½ per cent. on brass and 45 and 10 per cent. on copper.

FENCE STAPLES — Trade moderate. Galvanized, $4.15, and bright, $3.55.

FINE STAPLES—Without alteration. We quote: Coopers' staples, 50 per cent.; poultry netting, 45 per cent., and electrical, etc., 40 per cent. discount off list.

WIRE NAILS—There is a good demand still noted, and prices are firmly held at $3.30 per keg, with miscellaneous nails 72½ per cent. off list.

CUT NAILS—Fairly active, and steady at $2.60 per keg f.o.b. the usual delivery points.

COPPER NAILS—Unchanged; discounts, 50 per cent.

FLOUR BARREL NAILS, ETC.—Discounts are: Flour barrel, 20 per cent. and coopers' nails, 25 per cent. off list.

BOAT NAILS—As last noted, 35 per cent. off list.

GALVANIZED ROOFING NAILS—Are unchanged at 8c., with 10 per cent off list.

HORSE NAILS—In fair inquiry and steady. Discounts, 50 per cent. on standard and 50 and 20 on Acadia.

HORSESHOES—In good request. We quote: Iron shoes, light and medium pattern, No. 2 and larger $3.70; No. 1 and smaller, $3.95; snow shoes, No. 2 and larger, $3.95; No. 1 and smaller, $4.20; X L steel shoes, new light pattern, No. 2 and larger, $4.00; No. 1 and smaller, $4.25; feather-weight, all sizes, Nos. 0 to 4, $5.25; and toe weight steel shoes, all forward, all sizes $6.35 f.o.b. Montreal, St. John, N.B., and Halifax, N.S. Delivered f.o.b. in Toronto, Hamilton, London and Guelph 10c. per 100 lb. extra.

SCREWS — Prices steady and inquiry fair. Discounts: Flat head, bright, 80 per cent.; round head do., 75; flat head, brass, 75; round head do., 67½.

BOLTS—Business rules quiet. Discounts are as follows: Carriage bolts, 5-16 and smaller, 50 per cent.; ⅜ and up, 50 per cent.; full square bolts, 65 per cent.;

...SEASONABLE GOODS...

TURKEY TIME!

Famous { SELF-BASTING } Roasting-Pan.



Keeps all the flavor in the fowl . . .

MADE IN THREE SIZES,
Nos. 20, 30, 40.

The condensed steam gathers and drops onto the fowl or meat from the indented top, keeping

The meat well basted . . .
The flavor from escaping.
Saves the danger of burning either the hands or the meat . . . . . .

THEY ARE QUICK SELLERS.

A NEW PAIL

Enamelled Dufferin Pail.

One size, No. 14.

Made with a rest or foot on the bottom that cannot wear away quickly.



Send a Sample order.

Made in Imperial Ware.

They are acid proof and are not easily chipped.

PROMPT SHIPMENTS ARE OUR AIM.

Everything for the Tinshop.

THE McCLARY MFG. CO., - London, Toronto, Montreal, Winnipeg, Vancouver.

When galvanized iron is wanted flat, and buckles, what then? It isn't Apollo —Apollo is flat—that's flat.

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Cements { PORTLAND, ROMAN, KEENE'S
Bricks . . { FIRE, BUILDING, PAVING
Sand . . . { SILICA FIRE, MOULDING, BUILDING

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English Castor Oil
GUARANTEED PURE.
Pharmaceutical, Tasteless, Cold Drawn
First Pressure
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In cases of 2 tins and in barrels. Stocked by all Hardware, Oil and Color men.
The Hull Oil Manufacturing Co.
LIMITED
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Agents for Canada - MONTREAL

CANADA IRON FURNACE CO., Limited
Manufacturers of
CHARCOAL PIG IRON
MONTREAL.
BRAND "C.I.F." THREE RIVERS
PLANTS AT
Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.
Geo. E. Drummond,
Managing-Director and Treasurer

machine bolts, 52 per cent.; coach screw bolts, 65 per cent., and sleighshoe bolts, 70 per cent.

NUTS AND WASHERS — Demand is fair. We quote as follows: Square nuts, 3½c. per lb. off list, and hexagon 4c. per lb. off list. Washers in 50-lb. boxes are 35 to 40 per cent. discount.

RIVETS — There is a good movement in these. Discounts are: Black and tinned, 45 per cent.; ditto burrs, 40 per cent.; copper rivets and burrs, 35 per cent.

CORDAGE—Prices rule steady, while inquiry is moderate. We quote as follows: Manila, 14½ to 15c. for 7-16 and up, and 15½ to 16c. for ⅜ up. Sisal, 12 to 12½c. for 7-16 and up, and 13 to 13½c. for ⅜ and up.

SHOVELS — There is some inquiry for snow-shovels.

CTTLERY—A good demand is noted for both table and pocket cutlery.

WINTER GOODS—Skates, hockey sticks and winter sporting goods are well inquired for.

FIREBRICKS — There is no change in these. We quote $18 to $23 per 1,000, as to brand.

CEMENT—With stocks light, prices are firmly held. We quote: Belgian, $2 to $2.30; English, $2.35 to $2.50; German, $2.50 to $2.70. Canadian brands are 30 to 50c. higher, at $2.20 to $2.40.

METALS.

Heavy iron and metals, as a rule, continue firm in sympathy with outside markets, the single exception being spelter, which has exhibited an easier feeling, though spot prices are unchanged. On the other hand tin has been advancing abroad, and is held fiim, while copper is steady. Lead continues stiff, and spot values here on black sheets, galvanized iron and Canada plate are quite likely to advance in the near future, possibly before the middle of next week.

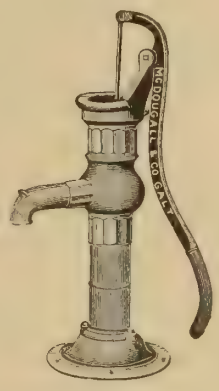
PIG IRON.—This material continues very firm, with sales of No. 1 Summerlee at $26.50 and some holders asking $27, while No. 1 Calder has realized $25. No. 1 Hamilton pig is nominal at $24.50.

BAR IRON—The firm feeling in bar iron is retained, and prices are stiff at the recent advance $2.50.

BLACK SHEETS — This material exhibits a stronger feeling outside, and, while no quotable change is yet noted, higher prices are anticipated, possibly before the next week opens. We quote: 8 and 15, $2.60; 18 and 20, $2.30; 22 and $24, $2.50 26, $2.60, and 28, $2.65.

STEEL—Makers are asking 10c. advance on toe calk steel. We quote: Sleighshoe, $2.80; tire, $2.85; spring, $3.10; machinery, $3.60, and toe calk, $3.40.

Sanderson's Tool Steel
Self-hardening and other grades always in stock.
"THE MOST RELIABLE TOOL STEEL IN THE MARKET."
A. C. LESLIE & CO.
MONTREAL.



IRON AND BRASS
Pumps
Force, Lift and Cistern Hand and Power.
For all duties. We can supply your wants with —quality the best and prices right. Catalogues and full information for a request.
THE R. McDOUGALL CO., Limited
Manufacturers, Galt, Canada.

ADAM HOPE & CO.
30 JOHN STREET N.
Hamilton, Ont.
GALVANIZED SHEETS
"QUEEN'S HEAD"
"COMET"
"APOLLO B B"
"JUNIATA"
STEEL SHEETS
20 to 28 Gauge
TIN PLATES
CANADA PLATES
SHEET ZINC
RUSSIA IRON

NOVA SCOTIA STEEL CO.
Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
Open Hearth Steel

GALVANIZED IRON — These continue to stiffen under a steady demand and very moderate stocks. We quote as follows: No. 28 Queen's Head, $4.75 to $5.00, and No. 26, $4.50 to $4.75; Comet, No. 28, $4.45 to $4.70, and No. 26, $4.15 to $4.45.

INGOT COPPER—Values have advanced both at London and New York, but business on spot has been transacted at 18¼ to 18½c.

INGOT TIN — The decline in this metal outside has apparently been checked, but the fact has exerted no influence on the spot price, which we quote at 33c. for Straits, and 35c. for Lamb and Flag.

LEAD — The upward tendency in the value of this metal abroad has continued during the past week, and some sellers here are asking 25c. advance, but business was still being done at this writing on the basis of $4.50.

SHOT—Unchanged. We quote ordinary 5½c. and double-chilled 6¼c.

LEAD PIPE — Steady with demand fair. We quote ordinary 7c., and composition waste 7½c. with 15 per cent. off.

IRON PIPE — Firm. We quote: Black pipe, ¼ to ⅜, $3.40; ½, $3.60; ¾, $4; 1, $5.75; 1¼, $7.50; 1½, $9.75, and 2-in., $12.75.

TINPLATES—A good business is noted in tinplate, but prices have been shaded in some cases, both on cokes and charcoal. Accordingly, we quote cokes $4.40 to $4.45 and charcoal $4.75 to $4.80.

CANADA PLATES—An advance in the price of these is expected at any moment. Demand has been active. We quote: 52's, $2.60; 60's, $2.70; 75's, $2.80; full polished, $3.25; galvanized Canada plates, $4.55 for 52's.

TERNE PLATE—Steady at $8.

SWEDISH IRON—Deliveries of this material are very backward. Supplies that were ordered three months ago are only arriving this week. Prices are firm at $3.75.

COIL CHAIN—Active and firm. We quote: No. 6, 12c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-inch, $8; 5-16, $5.65; ⅜, $5.05; 7-16, $4.80; ½, $4.65; 9-16, $4.50; ⅝, $4.45; ¾, $4.40; ⅞ and 1 inch, $4.40.

JACK CHAIN—Steady—35 per cent. on steel and 40 per cent. on brass.

SHEET ZINC—Carlots are selling at 7c.

ANTIMONY—This rules easier also, cask lots moving at 10¼c.

SPELTER—Prices have been declining outside, but the spot figure remains at $6.25.

GLASS.

The window glass market has ruled fairly active and prices are steady. We quote: First break, $2.00; second, $2.10 for 50 feet; first break, 100 feet, $3.80; second, $4.00; third, $4.50; fourth, $4.75; fifth, $5.25; sixth, $5.75, and seventh, $6.25.

PAINTS AND OILS.

The market has shown no further change. Linseed oil and turpentine are firm at the recent advances, while leads and paints show a reasonable degree of activity.

WHITE LEAD—Best brands, Government standard, $6.37½; No. 1, $6; No. 2, $5.62½; No. 3, $5.25.

DRY WHITE LEAD—$5.25 in casks; kegs, $6.

RED LEAD—Firm; casks, $4.75; in kegs, $5.

WHITE ZINC PAINT—Pure, dry, 8c.; No. 1, 6½c.; in oil, pure, 9c.; No. 1, 7½c.

PUTTY —We quote: Bulk, $1.65; bladders, in bbls., $1.80; bladders, in cases, $1.95; in tins, $2.05 to $2.30.

LINSEED OIL — Raw, 63c.; boiled, 66c., five to nine-barrels, 1c. less, ten and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—Single barrels, 77c.; two to four barrels, 76c.; five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Firm; $1.10 to $1.30 per gallon.

CASTOR OIL—Firm; 7½ to 8c.

SEAL OIL—35c.

COD OIL—32½ to 35c.

NAVAL STORES—Fair demand for all lines, and prices show no change: Resins, $2.75 to $4.50, as to brand; coal tar, $3 to $3.50; cotton waste, 4½ to 5½c. for colored, and 6 to 7½c. for white; oakum, 5½ to 6½c., and cotton oakum, 9 to 11c.

PETROLEUM.

There has been a fair demand for this line. We quote as follows: "Acme," 18c., and "Silver Star," 17c. Inquiry is more active.

HIDES.

Continue the same. Beef, No. 1, 10c.; No. 2, 9c., and No. 3, 8c. Lambskins, 75c. Calfskins, 11c. for No. 1 and 9c. for No. 2.

COAL.

Fairly active. We quote: Stove, $5.75; chestnut, $5.75; egg, $5.50; Scotch grate, $6; Scotch steam, $4 to $4.50; Tower ports steam, $3.50 to $3.75.

ONTARIO MARKETS.

TORONTO, November 24, 1899.

HARDWARE.

PROBABLY the chief feature of the market this week is the advance in the price of barbed wire and galvanized wire. The price of axes has again been advanced. The general volume of hardware trade is not as heavy as it was, but a nice business is still being done, not-

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON'
KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
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MONTREAL


COVERT MFG. CO.
West Troy, N.Y.
DERBY SNAP.
With Plated Rust Proof and Guarded Spring
"THE LATEST AND BEST."
For Sale by all Jobbers at Manufacturers' Prices.

PRIEST'S CLIPPERS
BALL BEARINGS

Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., U.S.A.

COATES' CLIPPERS

HAND AND POWER, easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel, and will not heat. 1899 catalogue ready.

Coates Clipper Mfg. Co.
WORCESTER, MASS.


Pullman Sash Balance Co.
Makers of the
"Pullman" Hardware Specialties
Main Office and Works,
Rochester, N.Y., U.S.A.
On sale all round the globe.

We Can Offer
excellent inducements on all standard grades of Galvanized Wire, especially our HIGH-GRADE,
High Carbon Coiled Spring Wire
PRICES ON APPLICATION.
THE
Frost Wire Fence Co.
WELLAND, ONT.

withstanding. The demand for wire of all kinds is reasonably quiet, while nails are selling well, although cut nails remain quiet. There is a steadier feeling in rope, but our quotations are still purely nominal. Cutlery is meeting with a good demand. Screws, bolts, rivets and burrs are still all meeting with a ready sale. The general tone of prices is strong.

BARBED WIRE—The price of barbed wire is quoted higher this week. The price for the Canadian market is $3.25 f.o.b. Pittsburg for carlots to the retail trade and $3.35 in less quantities. The figure from stock at Toronto is $3.60. Plain twist is quoted the same as barbed wire.

SMOOTH STEEL WIRE—There is but very little business being done. The base price is unchanged at $3.35 f.o.b. factory.

GALVANIZED WIRE—The price has been advanced, and we now quote as follows: Nos. 6, 7, 8 gauge, $4.25; No. 9, $3.55; No. 10, $4.40; No. 11, $4.45; No. 12, $3.70; No. 13, $3.85; No. 14, $5.00; No. 15, $5.30; No. 16, $5.50.

WIRE NAILS—The demand is again improving, and some orders of fairly good proportions have been placed during the past week. The feeling as regards prices is that they will again advance, particularly in view of the increase in freight rates. In the meantime the base price in Toronto is still $3.22½ in carlots and $3.30 per keg in less quantities.

CUT NAILS—There is still only a moderate trade being done. The base price is unchanged at the $2.60 base f.o.b. Toronto, Hamilton and London.

HORSE NAILS—Business is still fairly good. We quote: Standard, oval head, 50 per cent.; Acadia countersunk head, 50 and 20 per cent.

HORSESHOES—Trade continues fair. We quote f.o.b. Toronto, Hamilton, London and Guelph as follows: No. 2 and larger, light, medium and heavy iron shoes, $3.80; snow shoes, $4.05; light steel shoes, $4.10; featherweight shoes, all sizes, $5.35. No. 1 and smaller, light, medium and heavy iron shoes, $4.05 per keg; iron snow shoes, $4.30; light steel shoes, $4.35; featherweight steel shoes, all sizes, $5.35.

SCREWS—A decidedly brisk trade is still to be noted in screws. We quote: Flat head bright, 80 per cent. off the list; round head bright, 75 per cent.; flat head brass, 75 per cent.; round head brass, 67½ per cent.; flat head bronze, 67½ per cent.; round head bronze, 62½ per cent.

BOLTS AND NUTS—Stove, carriage and machine bolts and coach screws are all particularly brisk. We quote as follows: Norway bolts, full square, 65 per cent.; common carriage bolts, all sizes, 50 per cent.; ditto, full square, 65 per cent.; machine bolts, all sizes, 52½ per cent.; coach screws, 65 per cent.; sleighshoe bolts, 70 per cent.; blank bolts, 52½ per cent.; bolt ends, 62½ per cent.; nuts, square, 3½c. off; nuts, hexagon, 4c. off; tapping nuts, 60 per cent.; tire bolts, 60 and 10 per cent.; stove bolts, 60 and 10 per cent.; plough bolts, 50 per cent.

RIVETS AND BURRS—A fairly good demand is to be noted. We quote as follows: Carriage section, wagon box, rivets, etc. (steel), 60 per cent. off the list; ditto (Norway iron), 60 per cent.; black M rivets (steel), 55 per cent.; ditto (Norway iron), 45 per cent.; iron burrs, 40 per cent.; copper rivets, 35 per cent.; bifurcated, with box, $1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

WRINGERS—Trade is only moderate. We quote: "Leader," $60 per doz.; "Royal Canadian," $58; "Royal American," $48. Prices are all f.o.b. Toronto, Hamilton, Brockville, and Montreal. Discount, 45 per cent. Terms, four months, or 3 per cent. 30 days.

BUILDING PAPER—Trade keeps fairly good. We quote as follows: Plain building, 28c. per roll; tarred lining, 35c., according to quality; tarred roofing felt, $1.40 per 100 lb.; carpet felt, $2.75 per 100 lb.

ENAMELED WARE—Business is quiet, although fair for this time of the year. The discounts are as follows: "Princess" ware, "Turquoise" ware, blue and white ware, and white ware, 50 per cent.; "Diamond" ware, "Famous" ware, "Premier" ware, 50 and 10 per cent.; "Granite" or "Pearl" ware, "Imperial" ware, "Crescent" ware, 50, 10 and 10 per cent.

SPADES AND SHOVELS—Quite a few orders are being booked for future delivery. Discount, 40 and 5 per cent.

HARVEST TOOLS—Some business is being done in these for shipment in the spring. Discount, 50 and 10 per cent.

STOVES AND FURNACES—A good trade is, on the whole, being done. Discounts are: Stoves and ranges, 45 and 5 per cent.; furnaces, 40 and 5 per cent.; registers, 60 per cent.

SNOW SHOVELS—Steel shovels are in fair demand at $3.10.

CUTLERY—The demand continues good.

AXES—A further advance of about 15 per cent. is announced in the price of axes.

SCREEN DOORS AND WINDOWS—These have been advanced 20 to 30 per cent. for next season's delivery.

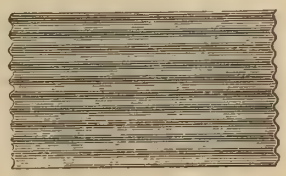
CEMENT—Though the season is about over, there is still a good business being done. Prices are unchanged. We quote as follows in barrel lots: Canadian Portland, $2.65 to $2.90; Belgian, $3 to $3.10; English do., $3.25; Canagian hydraulic cements, $1 to $1.10; calcined plaster, $1.90; asbestos cement $2.50 per bbl.

METALS.

There is not as much movement in metals as there was, on account of the higher freight rates. Pig tin is quoted 1c. lower, but pig iron is dearer by $1 per ton.

PIG IRON—The price of Hamilton pig iron is now $24 to $25 per ton at the furnace. Tonawanda iron is quoted $1 per ton higher to importers in Canada, $24.50 now being asked. No. 1 Southern is quoted at $21.75 to $22.25.

STRAIGHT OR CURVED,
GALVANIZED OR PAINTED,



We Supply

CORRUGATED IRON . . .

IN ANY SIZE OR GAUGE DESIRED.

Made from genuine Apollo sheets—the best there are. The corrugations are pressed one at a time—not rolled. They fit accurately at ends and sides, avoiding any waste.

LET US KNOW YOUR REQUIREMENTS.

THE METALLIC ROOFING CO., Limited

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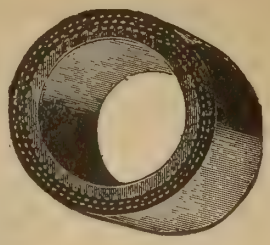
Wholesale Manufacturers of Fireproof Building Materials.

John Bowman Hardware & Coal Co.

LONDON, ONT.

Our Fall stock is now complete and we can supply at the best figures, **AXES, SAWS, LANTERNS, CORDAGE, CHAIN, WINDOW GLASS, PAINTS, OILS,** etc. Our importation of **CUTLERY, SKATES, ENGLISH GUNS, SHOT SHELLS, BLACK and SMOKELESS POWDER, SHOT, WADDING,** etc., now in.

Our Motto: Prompt Shipment, Right Prices.



Hose made with Seamless Tube.
No seam to open.

A GARDEN HOSE TALK.

The public demand Garden Hose that will stand high pressures suddenly applied, and exposure to all weathers.

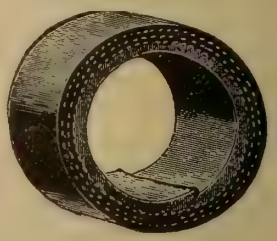
To satisfy these demands, strong duck well protected both inside and out is requi ed.

Weights of duck differ with price of hose. The heavier the duck—all other things being equal—the stronger the hose. We aim to have our cheapest hose stand city pressure.

The inner tube of all qualities of our hose is made by our **PATENT SEAMLESS PROCESS.** With a seamless tube, drawn as is lead pipe, the entire inner circumference is equally strong. There is not a seam for the water to find its way through and thus reach the duck, and eventually cause a leak or l aks.

The cover of our Garden Hose is made to withstand the action of sun, wind, and water

Our **PATENT SEAMLESS TUBE GARDEN HOSE** is strong and will withstand the action of water from within and weather from without, therefore it is reliable, and it will pay you to handle it. **No returns, No unpleasantness with customers.**



Hose with lapped or butted seam.
Liable to open where joined.

THE CANADIAN RUBBER CO.

MONTREAL. TORONTO. WINNIPEG.

BAR IRON—The demand still appears to exceed the supply, and prices are firm. The price at the mill is $2.30 in carlots and $2.40 for small lots. At Toronto we quote $2.40 to $2.50 base.

GALVANIZED IRON—A fair business is being done, although the demand is not as active as it was. Import orders are still being placed for delivery in the spring. English iron is quoted at $5 and American at $4.75, although in case lots both can be bought at lower prices.

BLACK SHEETS—Business continues good at firm and unchanged prices. We quote 28 gauge at $3 35.

CANADA PLATES —A slight falling off in the demand is reported, but increased activity is looked for with an improvement in the weather. All bright is now quoted at $3.60; half-polished at $3.10, and all dull at $3 per box.

PIG TIN — Local quotations have been reduced 1c. per lb., to 35c. The demand is fair for small quantities.

COPPER—Ingot copper is quiet, but a moderate business is being done in sheet copper. We quote as follows: Ingot copper, 20 to 21c. per lb., and sheet, 23 to 23½c. per lb.

IRON PIPE — The market is decidedly strong and higher prices will probably go into operation the beginning of next week. We quote as follows: Black pipe, ¼ to ⅜ inch, $3.90; ½ inch, $3.90; ¾ inch, $4.90; 1 inch, $6.40; 1¼ inch, $8.10; 1½ inch, $10.40; 2 inch, $13.85; 2½ to 6 inch, discount off the list 50 per cent. Galvanized pipe is quoted as follows: ½ inch, $6.50; ¾ inch, $8; 1 inch, $11.50; 1¼ inch, $16; 1½ inch, $20; 2 inch, $28.50.

LEAD PIPE — The demand is good. We quote: Ordinary pipe, 7c., and waste, 7½c. per lb. Discount, 15 per cent.

RANGE BOILERS — Business keeps fair, and prices are unchanged. We quote: Galvanized, 30 gals., $8.50; 35 gal., $10; 40 gal., $11. Copper, 30 gal., $22; 35 gal., $26; 40 gal., $30; discount off copper boilers, 10 per cent.

SHEET ZINC—A decidedly good demand is to be reported. Prices are unchanged at 8 to 8¼c.

PIG LEAD—A good trade is to be noted this week. We quote 4¾ to 5c.

SPELTER — There is very little doing. We quote 7 to 7¼c. per lb.

SOLDER — An active trade is still to be noted in solder. We quote: 21 to 22c. for half-and-half; 20½ to 21½c. for refined, and 20 to 20½c. for wiping.

ANTIMONY —Continues quiet. We quote: Cookson's, 11 to 11½c. per lb.

PAINTS AND OILS.

There is a fair business being done. The removal of special commodity railway rates has strengthened the feeling, especially for delivery at outside points. The cost of delivery of turpentine to the average outside point is about 3c. per gallon. To cover this, jobbers raised the peice of turpentine per gallon last week. Linseed oil has been advanced 1c. per gallon for the same reason. The English price of oil is much above the market here. At the quotations now ruling there, it would cost nearly 60c. per gallon to lay oil down in Toronto. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $6.50; No. 1, $6.12½; No. 2, $5.75; No. 3, $5.37½; No. 4, $5; dry white lead in casks, $5.75.

RED LEAD—Genuine, in casks of 560 lb., $5.00; ditto, in kegs of 100 lb., $5.25 to $5.50; No. 1, in casks of 560 lb., $4.75; ditto, kegs of 100 lb., $5.

LITHARGE AND ORANGE MINERAL—Litharge, 6 to 6½c.; orange mineral, 7½ to 8½c.

WHITE ZINC—Genuine, French V.M., in casks, $7 to $7.25; Lehigh, in casks, $6.

PARIS WHITE—90c.

WHITING — 55c. per 100 lb.; Gilders' whiting, 75 to 80c.

GUM SHELLAC—In cases, 20c. ; in less than cases, 24c.

PLASTER PARIS — Ordinary, $1.75 per barrel ; New Brunswick, $2 to $2.20 per barrel.

PUMICE STONE—Powdered, $2.50 per cwt.

tion of cheap boilers, a reduction of 50c. has taken place in 30-gallon galvanized in barrels, and 4 to 5c. per lb. in less quantity ; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, $1.10 per gallon ; No 1 quality, 90c. per gallon.

SEAL OIL—54c. per gallon, and yellow seal at 45c.

CASTOR OIL—East India, in cases, 8 to 8½c. per lb. and 9 to 9½c. for single tins.

LINSEED OIL — Raw, 1 to 4 barrels, 62c.; boiled, 65c.; 5 to 9 barrels, raw, 61c.; boiled, 64c.; 10 to 15 barrels, raw, 58c.; boiled, 61c.; 16 to 30 barrels, raw, 57c.; boiled, 60c. To outside points, 1 to 9 bbls. are quoted 1c. per gallon higher.

TURPENTINE—Single barrels, 75c.; two to four barrels, 74c., freight allowed ; in less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged. To outside points, 1 to 4 bbls. are quoted 2c. per gallon higher.

GLASS.

There is a good business doing. Prices are firm throughout. We quote : Star, first break in 50-foot boxes, $2.15, and in 100-foot boxes, $4 ; double diamond under 25 united inches, $6, Toronto Hamilton and London; terms 4 months or 3 per cent. 30 days.

OLD MATERIAL.

Scrap iron has advanced from 10 to 25c. Dry bones are 10c. dearer. We quote : Agricultural scrap, 65c. per cwt.; machinery cast, 65c. per cwt ; stove cast scrap, 40c.; No. 1 wrought scrap, 60c. per 100 lb.; new light scrap copper, 12½c. per lb.; bottoms, 11c.; heavy copper, 15c.; light scrap brass, 7½c.; heavy yellow scrap brass, 10c.; heavy red scrap brass, 11c.; scrap lead, 2½c.; zinc, 3c ; scrap rubber, 4¾c. ; good country mixed rags, 65 to 75c.; clean dry bones, 40 to 50c per 100 lb.

HIDES, SKINS AND WOOL

HIDES—The market is steady at last week's advances. We quote : Cowhides, No. 1, 9½c.; No. 2, 8½c. ; No. 3, 7½c. Steer hides are worth ½c. more. Cured hides are worth 10c.

SKINS—Dekins and culls are 5c. dearer. Otherwise there is no change. We quote : No. 1 veal, 8-lb. and up, 10c. per lb.; No. 2, 8c.; dekins, from 40 45c.; culls, 20 to 25c. Sheep and lambskins are selling at 85c.

WOOL — Combing fleece is 1 to 1½c. dearer. There is a good business, and a steady feeling. We quote : Clothing wool, 17c.; combing fleece, 16 to 16½c.; unwashed, 9½ to 10c.

SEEDS.

There is not much doing. Prices of red clover are unchanged with dealers paying $4.50 to $5 outside. Alsike is steady at $4.50 to $7. The top figure is only paid for extra choice to fancy lots. There is practically nothing doing in timothy seed.

COAL.

There is no change. A good business is being done. We quote anthracite for November delivery at Buffalo and bridges as follows : Egg, stove, and nut, $4.75 per gross ton, or $4.24 per net ton ; grate, $4.50 per gross ton or $4.01 per net ton.

PETROLEUM.

There is a good, steady business being done. Advances of ¼ to ½c. are noted in Pratt's Astral and Sarnia and American water white. We quote : Pratt's Astral, 18¼c. in bulk (barrels, $1 extra); American water white, 18¼c. in barrels ; Photogene, 17¼c.; Sarnia water white, 17c. in barrels ; Sarnia prime white, 15½c. in barrels.

MARKET NOTES.

Pig tin is 1c. lower at 35c. per lb.

Pig iron is $1 per ton dearer.

Axes have been advanced 15 per cent. in price.

Barbed wire is 10 to 15c. per 100 lb. higher.

BIG IRON PIPE CONTRACT.

At a recent meeting of The Dominion Iron and Steel Company, Sydney, N.S., a contract was awarded to Drummond, McCall & Co., Montreal, for four miles of 36-inch cast iron water-pipe, for use in the company's property in Cape Breton. This order will amount to about $156,000, and the pipe will be manufactured at the Londonderry, N.S., iron works, of which Drummond, McCall & Co., are lessees.

This contract will probably have the effect of strengthening the iron pipe market which is already so firm that an advance at the beginning of the week is anticipated.

PRUSSIAN BLUE.

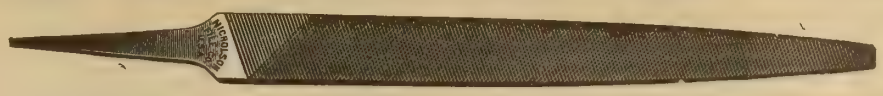
Prussian blue, remarks an exchange, was originally made by calcining dried blood with alkali and precipitating with a solution of copperas. Like many other valuable colors, it was discovered by an accident. Subsequent analysis of the color showed that it could be made without the employment of blood, and it is now generally made with green copperas and prussiate of potash. In grinding prussian blue care must be taken that no grit or particle of iron liable to give a spark should get into the mill, as a spark will frequently cause the blue to take fire, when it becomes promptly converted into a mass of red oxide, the composition of prussian blue being merely oxide of iron combined with cyanogen.

PERSONAL MENTION.

The many friends of the Lyons boys, throughout Canada, will regret to learn of the death of their mother, which took place on Tuesday, November 21.

Hodgson & Bowness have opened a general store in Bedeque, P.E.I.

76,800 Daily Production. 5 Factories. 5 Brands. **NICHOLSON FILES** For sale all over the World.



16 Governments. 85% R.R., 70% U.S. Contracts. 70% of Total Production of America.
NICHOLSON FILE CO., PROVIDENCE, R.I , U.S.A.

BRITISH PLATE GLASS COMPANY, Limited. Established 1773

Manufacturers of **Polished, Silvered, Bevelled Chequered, and Rough Plate Glass.** Also of a durable, highly-polished material called **"MARBLETTE,"** suitable for Advertising Tablets, Signs, Facias, Direction Plates, Clock Faces, Mural Tablets, Tombstones, etc. This is supplied plain, embossed, or with incised gilt letters **Benders, Embossers, Brilliant Cutters, etc., etc.** Estimates and Designs on application.

Works : Ravenhead, St. Helens, Lancashire. Agencies : 107 Cannon Street London. E.C.—128 Hope Street, Glasgow 12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address ; "Glass, St. Helens." Telephone No. 68 St Helens.

Barrett's Glass Cutters Standard
Barrett's Practical Glass Cutters are the standard the world over.



Sold by more Hardware Dealers than all other makes combined. Send for prices and sample. W. L. BARRETT, Manufacturer, Bristol, Conn., U.S.A.

BE YOUR OWN COMPETITOR.

HUNDREDS of country merchants will soon be called upon to meet a new order of things, and be brought face to face with competition not before encountered. Forewarned is forearmed, and in many cases the threatened danger may be averted. On the word of several jobbers a larger number of new stores are being opened than usual, and they will surely increase during the next few months. People who are dissatisfied with the methods in vogue and the limitations surrounding average retailers in our large cities, and who wish to engage in business, are many of them looking for eligible country points at which to start for a safe and paying trade. At the very start these new dealers will have considerable advantage over many of the old stand-bys of the section, and will draw off a great deal of trade from the stores which need and desire it all. In the first place, the new stores will contain new and fresh stocks, and bought on a low-price basis in nearly all departments. No old goods are to be run off, and none will be in sight. Everything can be selected according to the most modern demands, and, with no old accounts in the way, very low cash prices can be made. Everywhere you go people are taken with new things, and the new dealer, new store, new goods, and new prices will draw trade immensely for a while. If the proprietor knows his business, he will make permanent customers out of many he gains, and the trade of the town will never be as it was before.

Now, the old-time merchant has stood at his post through thick and thin. He has given credit when asked, and carried his customers for long periods during hard-times. He has met constant losses through the depreciation of values for the past 10, 15 or 20 years perhaps, and the turning point has just been reached. The trade of this section is just sufficient to give the established merchant in the diffent lines a paying business, out of which the constant plodding effort of a lifetime may secure an old-age competency, and that is all. But divide up the trade and it means a struggle for a living in many cases, excepting where the population is rapidly increasing. With many competing merchants in the same line, it is almost unavoidable that prices very often be cut too low for profit in the struggle for trade supremacy. It is always a misfortune when too many traders exist in any community, and the public are never really benefited by an oversupply of opportunities for purchasing.

How shall the merchant, needing all the trade for which also he feels sufficient, avoid the impending danger? By filling the place so completely that it leaves no room for another. The people who will be the new merchants all over the Northwest the coming season are looking over the field, trying to find places where there is a "long-felt want." No one is anxious to get in where the work of building trade will be too hard, but, if an opportunity is found near some easy-going plodder, who takes no pains to secure the trade that he considers sure to come, the situation is inviting. Keep out others; occupy the position yourself. See that your stock is sufficient and your assortments attractive. Watch for the new things in trade, and keep up with the times. Clean up the store, and, if papering or painting will help, either internals or externals, get right at it. Arrange for a series of fresh, taking announcements in your local paper. Greet all your customers with easy courtesy, and treat each one as if the business was carried on purposely for him or her. In fact, exhibit the same enterprise you would put forth if you knew the location-seeker was about to visit your particular community, and would decide to come or not to come according to your show of apathy or enterprise.—Hardware Dealers' Magazine.

UNITED STATES METAL MARKET.

PIG TIN—Market prices were moved up to the extent of nearly 1c. per lb., and cable advices quoted an advance of £4 per ton in London and £2 5s. in Singapore. Business was effected at 28¼ to 28½c. for round lots, spot delivery, to very fair extent, and there were few sellers at less than 28¾c. at the close, despite slightly lower London cables. The reported arrivals for the day were only 25 tons, making a total of 694 tons thus far this month, against an estimated consumption of 1,800 tons or more. The stock afloat for this country is comparatively light, or 2,060 tons all told, including 675 tons on the steamer Indrani, last reported at Madeira in distress, and 1,285 tons on direct steamers from the Far East. About 100 tons are nearly due from Europe, but are virtually all sold to consumers.

COPPER—There was decidedly better tone to the market, the result chiefly of reports that the C. & H. turned down bids of 17c. for Lake Superior ingot, and that small mining companies that have recently been selling at the same price are out of the field, for the present at least. Some of the Lake Superior producers are now quoting 17½c., and no lower quotation than 17¼c. was openly made elsewhere. Other varieties were also held somewhat higher, or at 17c. for electrolytic bars, etc., and prime casting stock.

PIG LEAD — The smelting company quoted unchanged prices, or the basis of 4.60 for large lots for early shipment from the West and 4.62½ to 4.65 for single carloads on spot. Similar prices were quoted in other quarters, but only very moderate quantities of the metal offered. The London market for Spanish lead was a shade higher.

SPELTER — Prime Western brands are quoted firm at 4.70 to 4.75c., but inferior stock may be secured at a fraction less, to some extent. Moderate lots were, in fact, offered conditionally at 4.65c. delivered here, to be shipped from primary points within the next month or six weeks.

London cables, as posted on 'Change, quoted good merchant brands at £20 11s. 3d.

ANTIMONY —Regulus is quoted at 9¾ to 11c., according to brand and quantity, but only a fair jobbing business is reported.

TINPLATE—Outside of deliveries on old contracts there is little movement at present, but the deliveries serve to keep stocks from accumulating to any large extent, and prices are quite firm, seemingly, at least.

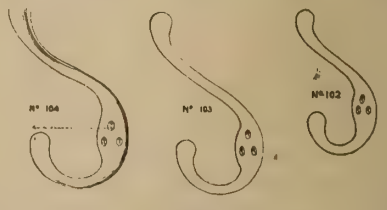
IRON AND STEEL—There was no movement of remarkable character in either pig iron or old material, and prices remain almost stationary. Finished products are firm in price, but nothing more than ordinary business is being effected in this quarter. —New York Journal of Commerce, November 23.

TURPINE SPIRITS.

Now that Turpentine is so high, why do you not use **TURPINE SPIRITS** which costs you only 55 cents per gallon? We guarantee it as good as Turpentine for all purposes. Canadian Depot,

A. WATT & CO.
43 St. Sacrement Street, MONTREAL

SAVE MONEY
by buying
Gunn's Patent Brassic Goods



Equal to solid brass in every particular. Cost less money—look and wear as well. Sales increasing all the time.

THE GUNN CASTOR CO., Limited
KNOX HENRY,
Canadian Agent, 220½ Board of Trade, MONTREAL.

MANITOBA MARKETS.

WINNIPEG, November 20, 1899.

TRADE is very good; in fact, most remarkably so, considering the very mild weather, which is hardly seasonable in Winnipeg at this time of year. The only two changes of note for the week are the advance of ¼c. per lb. on shot and the drop of 2c. per lb. on sisal and manila rope. Window glass continues scarce. Taking advantage of the fine weather, extra building operations are being pushed forward with great vigor, and men for general work of any kind are hard to obtain. The railways will have succeeded in working on construction fully a month later than last year.

The price list for the week is as follows :

Barbed wire, 100 lb	$3 75
Plain twist	3 75
Staples	4 25
Oiled annealed wire 10	4 02
" 11	4 09
" 12	4 15
" 13	4 30
" 14	4 42
" 15	4 55
Wire nails, 30 to 60 dy, keg	3 80
" 16 and 20	3 85
" 10	3 90
" 8	3 95
" 6	4 10
" 4	4 15
" 3	4 20
Cut nails, 30 to 60 dy.	3 15
" 20 to 40	3 20
" 10 to 16	3 25
" 8	3 30
" 6	3 35
" 4	3 65
" 3	3 90
" 3 fine	4 20
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No 1	4 70
No. 2 and larger	4 45
Snow shoes, No. 0 to No. 1	4 95
No. 2 and larger	4 70
Steel, No. 0 to No. 1	5 00
No. 2 and larger	4 75
Bar and band iron, $3.00 basis.	
Swedish iron, $5 basis.	
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 20 gauge, 100 lb.	3 50
20 to 26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 gauge	4 25
18 to 22 gauge	4 50
24 gauge	4 75
26 gauge	5 00
28 gauge	5 25
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 55
26 gauge	8 80
28 gauge	8 00
Tinplate, IC charcoal, 20 x 28, box	10 50
" IX "	12 50
" IXX "	14 50
Ingot tin	38
Canada plate, 18 x 21 and 18 x 24	3 35
Sheet zinc, cask lots, 100 lb	9 00
Broken lots	9 50
Pig lead, 100 lb	4 50
Wrought pipe, black up to 2 inch	50 p.c.
" Over 2 inch	45 p.c.
Rope, sisal, 7-16 and larger	11 50
" ⅜	12 00
" ¼ and 5-16	12 50
Manila, 7-16 and larger	14 00
" ⅜	14 50
" ¼ and 5-16	15 00
Solder	23
Cotton rope, all sizes, lb.	16
Axes, per box $6.00	to 8 00
Screws, flat head, iron, bright 75 and	10 p.c.
Round " "	70 p.c.
Flat " brass	70 p.c.
Round " " 60 and	5 p.c.
Coach	57½ p.c.
Bolts, carriage 5-16 and smaller	42½ p.c.
⅜ and larger	37½ p.c.
Machine	45 p.c.
Tire	55 p.c.
Sleigh shoe	65 p.c.
Plough	40 p.c.
Rivets, iron	37½ p.c.
Copper, No. 8, lb	33½ c.
Spades and shovels	40 p.c.
Harvest tools 50, 10 and	5 p.c.
Axe handles, turned, s. g. hickory, doz	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 65
No. 1	1 25
Linseed oil, raw, per gal	62
" boiled "	65
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	40 p.c.
C.F. pistol	10 p.c.
C.F. military	Net.
Loaded shells, Robin Hood, M	$20 00
Eley's soft, 12 gauge	15 00
chilled, 12 guage	16 50
soft, 10 guage	20 00
chilled, 10 guage	21 00
American, M	16 25
Shot, Ordinary, per 100 lb	5 50
Chilled	6 00
Powder, F.F., keg	4 75
F.F.G.	5 00
Robin Hood	10 00
Tinware, pressed, retinned 70 and	2½ p.c.
" plain 70 and	15 p.c.
Graniteware, according to quality	60 p.c.
Turpentine, by barrel	81c.
Less than barrel	86c.

Advertising in Western Canada will be Carefully, Efficiently, and Promptly attended to, by

THE ROBERTS ADVERTISING AGENCY,
WINNIPEG, CANADA.

EVERY ORIGINAL TIN HAS THIS IMPRESSION NOBLES & HOARE LONDON ENGLAND ON A WHITE CAPSULE

Nobles & Hoare.

CORNWALL ROAD STAMFORD STREET.

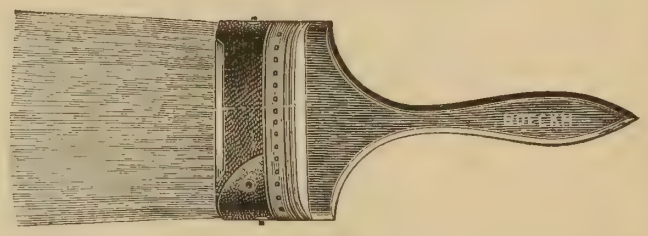
LONDON, ENG.

Manufacturers of

HIGH-CLASS **VARNISHES** ONLY

Which can be obtained direct from the works or from the principal Color Dealers in Canada.

KEEP IN FRONT



Notice the Bridle.

is the motto of all live dealers. Reliable goods are the stronghold of trade. That is why the demand for

BOECKHS'

Bridled Brushes

increases so steadily. If you have a good assortment of them the result is sure to be a gain.

BOECKH, BROS. TRADE MARK & COMPANY.

80 York Street, TORONTO

UNAUTHORIZED RETURN OF GOODS

AMONG the numerous discomforts and disorganizing influences that affect the relation of the jobber or other distributor in their commercial connection with the manufacturer, that of returning goods in an unauthorized manner, is among the worst.

When a purchase has been made, an order given and goods shipped on account thereof, one would suppose the incident could be considered closed, and no further anxiety associated with the transaction ; but such is rarely the case. A discovery of a larger stock than is desirable under some circumstances ; or a finding of something more modern and popular than the article previously ordered ; the finding out at a remote date that their ordering man has made a mistake in the size or description of the goods received from the manufacturer ; these, and many similar reasons are given why goods are shipped back, with only a curt notice acknowledging the act, and relying upon previous friendly relations to justify the belief that the manufacturer will swallow his resentment and put the goods back in stock, and giving the sender credit on a possibly long-standing account.

Of course, any such liberty taken without permission being asked is regarded as an impertinence that has nothing in commercial ethics to justify it ; and yet, it is a custom that has long been "more honored in the breach than in the observance thereof," and has been used during the dull seasons ending with the fall of 1898 to such an unlimited extent that, at the present time when indulged in, it comes under the head of a vested right, and great surprise is manifested when exception is taken to it.

Sometimes articles are so cut in price by close competition in a town, that a conservative dealer declines to be a party to such a state of affairs, and returns his share of the competing articles, desiring something that will afford more show for profit. Frequently an unfamiliarity with the working methods of some mechanical appliance or indisposition to learn, will throw the tool or article ordered back on the equally untaught jobber's hands, and the maker must bear the brunt of their density by later adding it to his stock, probably large enough already in this special line.

Sometimes the retail dealer, who should be familiar with the methods for economical use of the improved tools on sale by him, fails to impress his customer sufficiently through lack of individual knowledge, and the latest and best goods become slow of sale ; stocks are congested, and all dealers hate the sight of goods that fail to move. What will be done with them ? "Oh ! send them back to the manufacturer and he will send them to someone else." But this condition of affairs, when properly resented by the victim imposed upon, results in an acrimonious correspondence through which a customer is lost immediately after the cessation of aggressive hostilities.

Now, why should not the present time be a good one to inaugurate, among the other contemplated reforms, the all-around insistance that a sale is a sale, and the good judgment that instigated it should never be questioned or weakened by an unauthorized return of any of the goods purchased. The manufacturer should not be made the victim of a misplaced judgment on the part of a jobber, nor should the jobber be relied upon to make good the blunders perpetrated by an incompetent retail buyer, who overestimates the selling qualities in his locality of a new and popular specialty. If some steadfastness of purpose is shown in this particular it would eventually be extended to the consumer, who, through the lax methods of competing retailers, frequently takes advantage of the retailer's credulity, and gives him a "ghost story" that results in one of these misfit returns for which a love for fair dealing cannot be held accountable.—Hardware, New York.

A TIMELY HINT.

Ironmonger, of a recent date, says : "The growing prosperity of Canada and Australasia, coupled with the inability of the United States to compete for the foreign trade with the keeness displayed in 1898 on account of the pressure of home work, seems to me to offer to our own manufacturers a splendid opportunity to regain their former footing in those markets. If they are wise they will take such advantage of the opportunity as to make their position secure against the attack of their great transatlantic rival when normal conditions prevail again. The causes of past failures have been learned in a costly school. These have been remedied to some extent, but, if the remedy be made complete, British trade abroad has a great future before it."

BASTARD FILES.

J. P. Knight, Pittsburg, Pa., writes, under date of November 20, as follows : "On looking over your issue, HARDWARE AND METAL, the first I have seen (owing to my home being in Australia), I notice what appears to be a slight error in your reply to 'Clerk' as to the meaning of 'bastard' as applied to files. The meaning of the word in this connection is the same as elsewhere, for a bastard cut file is between the rough cut and second cut, the order of coarseness being 'rough,' 'bastard,' 'second cut,' and so on."

WHOLESALE MEN IN SESSION.

A special meeting of the Canadian Wholesale Hardware Association was held in Toronto on Tuesday and Wednesday last, for the purpose of considering matters appertaining to the trade.

President T. H. Newman, of Caverhill, Learmont & Co., Montreal, was in the chair. The other members present were : Mr. Shaw, of The Chinic Hardware Co., Quebec; Mr. R. Angers, of Frotheringham & Workman, Montreal ; Mr. Starke, of Howden, Starke & Co., Montreal; Mr. F. Jeanotte ; Mr. Fred Lewis, of Lewis Bros. & Co., Montreal ; Mr. W. Vallance, of Wood, Vallance & Co., Hamilton ; Mr. T. Lee and Mr. R. Fisher, of Rice Lewis & Son, Limited, Toronto ; Messrs. Peleg Howland and T. Dexter, of H. S. Howland, Sons & Co., Toronto ; Mr. Howden, of John Bowman Hardware and Coal Co., London; Mr. Whitwam, of The Hobbs Hardware Co., London.

A GOOD MANAGER APPOINTED.

At a recent meeting of the directors of the Dominion Iron and Steel Company, Sydney, N. S., the position of manager was offered to Arthur J. Moxham, who resigned from the presidency of the Federal Steel Company of the United States last March.

Mr. Moxham is eminently fitted for the management of such a concern as this.

Thirty years ago he entered a rolling mill in Louisville, Ky., as clerk. In eight years he was manager of the large Birmingham, Ala., Rolling Mills Co., and has since been closely in touch with the development of the iron and steel industry of the United States.

Under him, the construction of the immense works at Sydney will be pushed forward with the greatest possible speed.

A NEW INSULATING MATERIAL.

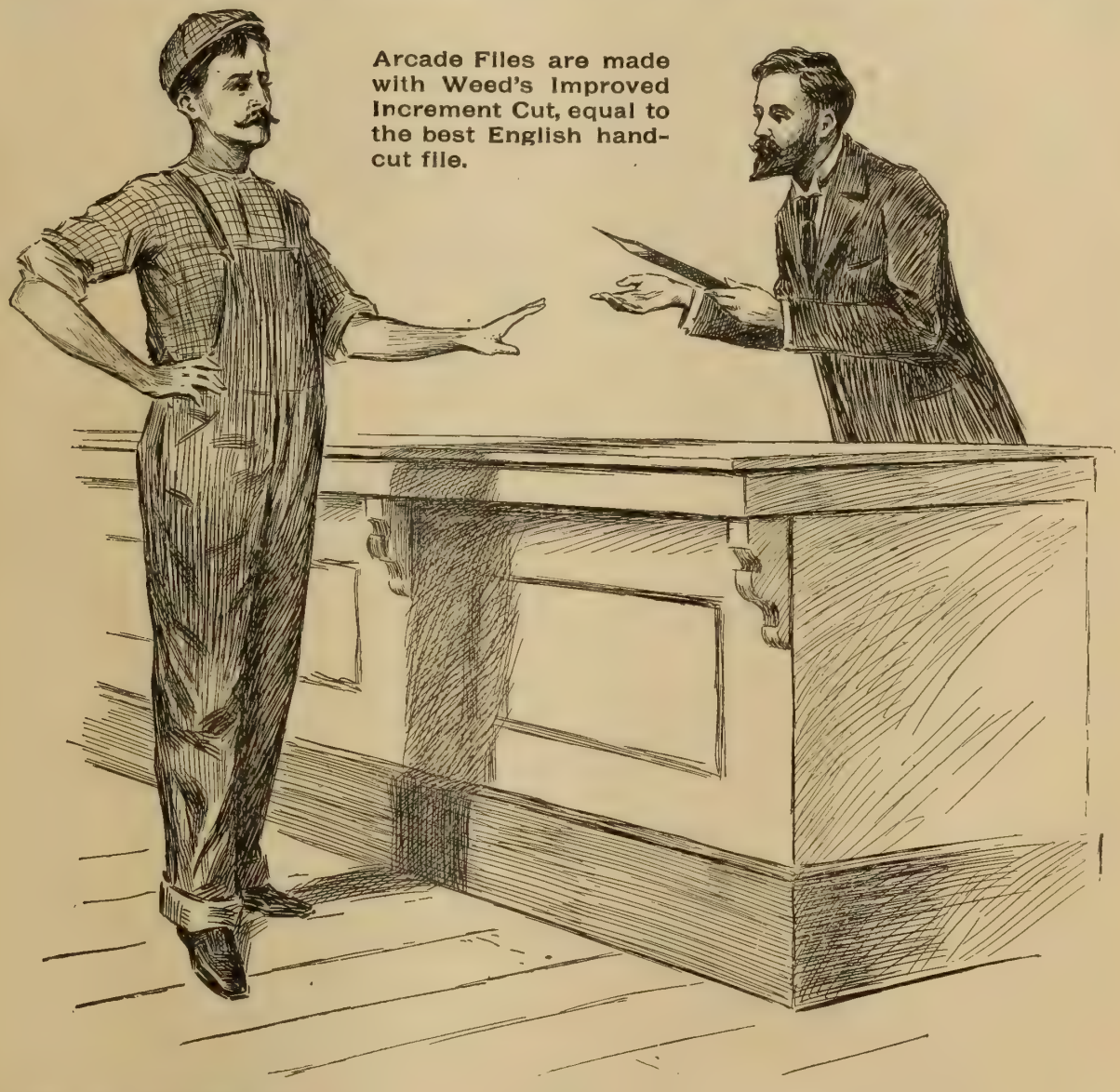
"Iron felt" is the name given a new insulating material made in Germany and used extensively in Europe for numerous purposes. It is quite successful in preventing vibrations, and is used for this purpose between engines and their foundations, also between rails and their sleepers. It consists of the larger and stouter woollen fibres, treated first with by-product of petroleum, and then coated with gelatine and india rubber and vulcanized. After pressure, it is used in the form of plates somewhat over two square feet in area, and from one half to two inches in thickness. The plates are said to be extremely elastic and imperishable, and have a surface so hard as not to be cut by the sharp edges of bolt heads or iron girders.—Tradesman.

The WORLD'S GREATEST FILE WORKS

ESTABLISHED 1842.

There is no other file "just as good."

THE ARCADE IS THE BEST



Arcade Files are made with Weed's Improved Increment Cut, equal to the best English hand-cut file.

"I want an ARCADE file."
"We are all out of ARCADE files. Try this; it is just as good."
"No, Sir. I want the ARCADE. It cuts faster and wears longer than any other file made."

THE ARCADE FILE WORKS

NEW YORK:
97 Chambers St.
SAMUEL W. ALLERTON,
President.

Works: ANDERSON, IND.
COURTLANDT C. CLARKE,
Sec. and Treas.

CHICAGO:
118 Lake Street.
ALFRED WEED,
Vice-President and Gen'l Mgr.

A CONVENTION OF PAINTMEN.

THE nineteenth annual convention of The Sherwin-Williams Co. was held at Cleveland, November 13 to 18, and proved to be one of the most successful and interesting meetings ever held by the company.

The annual convention is held for the purpose of discussing the company's goods, outlining the policies of the company for the ensuing year, explaining the new advertising plans and methods, reviewing the work of the past year, and discussing similar topics relating to the sale of the Sherwin-Williams Co.'s products. The conventions are attended by the officers, managers and traveling representatives of the company.

This year's convention was of special interest, as it marked the close of the biggest year of all the big years in the history of The Sherwin-Williams Co. It also launched the company in the sale of varnishes, a line of goods which they have long manufactured for their own exclusive use, but never before put on the market in the United States. It was also the occasion of the dedication of a new trade flag, which has been adopted as the emblem of the company.

The flag-raising took place on the first day of the convention, in front of the general offices, 100 Canal street. The president, Mr. H. A. Sherwin, made an address of dedication, and sent the flag from the ground up the four storeys of the building to the staff on the roof. At the same moment, small flags were unfurled from every window in the general offices and the printing and advertising building across the street. It was an impressive sight, and was greeted with enthusiasm. The flag is a blue field with the trade mark of the company in red at the left and the letters "S.-W." in white at the right. It will fly from the roof of every division office of the company.

The evening of the second day of the convention, Tuesday, was given over to an entertainment and smoker. The entertainment was all "home talent," so to speak, only those in attendance at the convention taking part. Pipes branded with the date and the company name were given as a souvenir of the occasion.

On Wednesday evening, a banquet was held in the new Cleveland Chamber of Commerce Auditorium to the Cleveland employes of the company. Covers were laid for 400. Following the banquet and a few short addresses, Mr. S. P. Fenn, treasurer of the company, presented stereopticon views of "Snap Shots Following the Sun." the result of a recent trip which he took around the world. Souvenir badges in gold and blue enamel were presented to each banqueter.

On Friday evening, those in attendance at the convention were taken to the theatre in a body as a final entertainment of the convention week.

Throughout this entire convention the utmost enthusiasm was manifest, and every man went out on his territory with renewed energy and an equipment that bids fair to make the next business year show even greater gains than the one just passed.

A MAN'S OWN BUSINESS.

Stick to it; 1893 caught thousands of individuals, firms and corporations with too many irons in the fire. It swamped them. They dropped like rows of sticks. The majority of business men and manufacturers can make money in the particular line in which they have been schooled. The majority of business men drop money when they go into side ventures. This country of ours is a country of ups and downs. We have been down for five years. We will now have several years of fair prosperous times. But the day of panics is not over. Panics will come again. In the days of prosperity, avoid outside speculation. Concentrate your capital in the business in which you are engaged. Put yourself in a position where you can go to bed at night owing no man a dollar. Then panics, long periods of depression and financial stringency for you will have no terrors.

A great many men seem to take considerable pride in being connected with a variety of enterprises. Once in a while those side enterprises pay. Twice in a while they lose. Those men die, as do all others, but their estates are harder to settle. The other fellows engaged with in the side enterprises "scoop" the estate. Liabilities never shrink. Stick to your own business and wipe them out.

If you can make more money than your business requires, don't entangle yourself with new alliances, but spend the surplus money, or give it to charity, and enjoy life. —Frank Sibley.

THE REAL COMPLIMENT.

The merchant who has it said of him that "he keeps a good store," has received a compliment of which he may well feel proud, says The Minneapolis Commercial Bulletin.

The merchant who understands how to keep a stock of goods in order and bring it successfully before the public knows the art of good storekeeping.

The thing above all others that merchants should fight for is this understanding of how to keep a store. Then it will be that the real compliment referred to above can be paid them.

COST OF RUNNING AUTOMOBILES.

THE following article from The London Daily Mail, gives cost of operation of automobiles:

Now, that at last the automobile movement may be said to have begun in earnest in this country, some amount of interest naturally centres in the question of heavy motor vehicles. These are undoubtedly destined to replace horse-drawn wagons in the near future, and, if they had nothing else to recommend them, motor-driven wagons, etc., would appeal to firms who at present use horses solely on account of the difference in working expenses.

Mr. E. H. Bayley, of Bayley's Wagon Building Works, gave a Daily Mail representative some interesting particulars on this point yesterday. He is entitled to speak with some amount of authority, as he was chairman of the London Road Car Company, and now, in addition to employing 1,000 or so horses in his own business, is chairman of the Daimler Motor Company, and takes a keen interest in all that tends to lessen the cost of heavy traffic. "Of course," he said, "no matter how excellent motor driven vehicles may be, no one would look at them seriously if their use were more expensive than that of horses. That is exactly where the ultimate success of motor-vehicles lies, for the tests by the Automobile Club at Richmond and, more recently, those held by the Liverpool Self-Propelled Traffic Association, have shown that not only can motors do general carrying work more quickly and more efficiently than horses, but—most telling point of all—do it at less than one-seventh of the cost.

"For instance, we have a car which has been proved, nnder the tests already mentioned, to be capable of carrying a load of 3 tons 12 cwt. at a cost for fuel which works out a half-penny per ton mile. The total upkeep of such a vehicle, when all expenses for working, wages, fuel, repairs, insurance, etc., are taken into consideration, comes to a sum of £407 os. 6d. ($1,980.73), and this, with a carrying capacity for 260 working days, gives an average cost of a fraction and 3 half-pence (3 cents) per ton per mile. When that is compared with the cost of horses—my experience teaches me that it varies from 9d. to 1s. (18 cents to 24 cents) per ton per mile—it can be seen what a future such vehicles have before them. In this branch of automobiles England has the lead, and presently she will not be so far behind with light carriages, for the Daimler Company is taking up the question of building racing cars to compete with those of French manufacture. Already, three orders for cars costing £1,000 ($4,066.50) each, have been placed, which show that English enthusiasts are prepared to support home industries if given the opportunity."

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COLIN McARTHUR & CO.

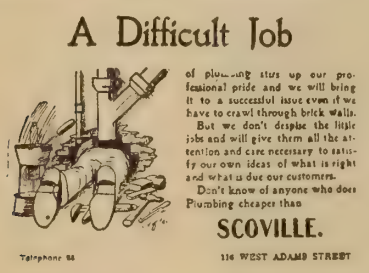
OFFICE AND WAREHOUSE

13 Voltigeur Street — **Montreal.**

HEATING AND PLUMBING

PLUMBERS SHOULD ADVERTISE.

THE plumbing business is susceptible to development by means of good advertising. In fact, a good campaign of advertising by a responsible plumbing house in any of the principal Canadian cities would be almost certain to bring good results, as few Canadian plumbers do any advertising now, and those who start doing so this winter would have the field largely to themselves. When the first really cold spell comes would be a good season to commence a series of advertisements.



There is much about a plumbing business that would make such a series of "ads." interesting to the general public, whether they were in need of a plumber or not.

The accompanying advertisement, taken from Printers' Ink, is an excellent sample. The illustration and heading are well calculated to draw attention, while the brief statement says as much as the advertiser could wish to say in one issue. Half a dozen advertisements of this type would add considerably to almost any plumber's business.

A CAUSE OF RUST.

The rusting of iron and steel is, according to a writer in The Scientific American, not infrequently due to the formation of water vapor by the combustion of gas, wood, or coal, and the condensation of the vapor to water when it comes in contact with cold masses of metal. An example is quoted of a screw-cutting lathe completely covered with a coat of rust, which had been in perfect polished condition only 48 hours before. The building was perfectly dry, with no indications of moisture either inside or out, yet the lathe was so thoroughly oxidized that it presented the appearance of iron work which had been exposed to a dense sea fog. Owing to the suddenness of the change, and to the fact that a number of other smaller tools, which had always been in a well-polished condition, were also badly rusted, the source of water, and the case, seemed surrounded in mystery. It was learned that a gasoline furnace had been in prolonged use by some plumbers several days prior to the discovery of the rust for the purpose of melting pots of lead for making leaded joints. This furnace had been placed directly upon the floor, 10 or 15 feet from the lathe, with no chimney or other means of ventilalion. The water vapor resultant from the combustion of the gas from the gasoline found a most approved condenser in the polished steel of the lathe, the surface of which is immediately converted into rust.

PLUMBING AND HEATING NOTES.

The Montreal Roofing Co., Montreal, have assigned.

J. Market & Co., plumbers, etc., Victoria, B.C., have dissolved, Joseph Market continuing.

F. A. Nash, of Windsor, has been appointed gas and electric inspector for the London district, and has entered upon his duties. He succeeds the late Mr. Williams, of London.

William M. Hamilton, manager of the St. Lawrence Foundry Co., Toronto, died after a lingering illness, on Monday at the home of his brother, 415 Ontario street, Toronto. Mr. Hamilton, though but 39 years of age, was for many years manager of the St. Lawrence Foundry Co., and had many friends in the plumbing trade.

PLUMBING AND HEATING CONTRACTS.

John Purdom, London, has secured the contract for steam-heating, plumbing, gas-fitting, etc., of the new Normal School at London, Ont. His tender was $10,595.

The Bennett & Wright Co., Limited, Toronto, have secured the contract for the heating and plumbing of the large addition to the Toronto General Hospital.

Guest & Co., Toronto, have secured the contracts for the steam-hearting of the Toronto Railway Co.'s car barns on Scollard street, and for plumbing and hot-water heating in W. L. Ramsay's residence, Broadview avenue.

Fiddes & Hogarth, Toronto, have secured the contract for the plumbing and heating of a large residence at 116 Crescent road, Rosedale, for Edward Fisher.

Purdy, Mansell & Co., Toronto, have secured the contract for plumbing and heating in A. Orpen's residence, corner Carlton and Sherbourne streets, Toronto.

TORONTO BUILDING PERMITS.

Building permits have been issued in Toronto to Edwin C. Walker for a two-storey brick hat factory in rear of 182 Farley avenue, $2,500; to F. R. Gregory, for a two-storey brick-cased dwelling on the north side of Simpson ave., $1,200; to Samuel Richardson, for a two-storey and attic brick residence on the west side of Spadina avenue, near Bloor street, $6,000; to Wm. Murray for a pair of brick and stone houses, 491 to 497 Euclid ave., $8,000; a pair of similar houses on Brunswick ave., near Bloor street, $5,600, and a pair at 29 and 31 McDonnell ave., $2,500; to James Henderson, Q.C., for a two-storey and attic residence on the south side of Maple ave., near Sherbourne street, Rosedale, $5,000; to Dr. G. S. Ryerson, for a pair of two-storey and attic residences on Bloor street, near Spadina avenue, $8,000, and for another pair on Howland ave., near Lowther ave., $5,500; to Allan McLean for a three-storey, attic and basement residence on Davenport road, near Avenue road, $3,000; to Edward Fisher for a two-storey and attic residence at 116 Crescent road, Rosedale, $9,000, and to R. J. Tackaberry for a two-storey and attic brick dwelling at 144 Park road, $5,000.

CENTRAL BUSINESS COLLEGE.

The Central Business College, of Toronto, is enjoying unusual prosperity this term, and, while it is constantly sending out capable young men and women into business positions, it has been found necessary to enlarge its premises and increase its equipment to accommodate the steadily-increasing attendance, which, last week, brought in representatives from Thessalon, Listowel, Delhi, Islington, Georgetown, Brampton, Guelph, Sundridge, Newcastle, Fenelon Falls and St. John's, N'fld. This is evidently a representative business school.

A NEW HARDWARE STORE.

Hillier & Clarke, formerly in the employ of M. C. Drew, hardware merchant, who was recently burned out at Burk's Falls, have opened with a new hardware, tinwa and stove stock. They are young men of ability and experience in both branches and, no doubt, will do a profitable business.

The assets of A. Bussiere, general merchant, St. Gregoire, Que., are advertised for sale on November 24.

CEMENT-LINED PIPE.

THE city of New Bedford, Mass., 25 ago, according to The Plumbers' Trade Journal, adopted and laid down a considerable quantity of iron pipe having a cement lining, for its water service. The last of this pipe has just been removed, and was, at the time, still capable of doing its duty, although the iron was considerably corroded at places. Some spots the size of a dollar, others a foot across, were corroded entirely through, although the cement held its shape. Considering the relatively poor quality of cement made at that time, this is an excellent showing, and the method might be examined into for certain uses should the price of iron pipe advance to high figures. In his annual report to the water board for 1898, Superintendent R. C. P. Coggshell says concerning the cement-lined pipe in New Bedford: "I would testify to the wisdom of the original commissioners including such a large amount of this type of pipe in the nucleus of the distributing system. At that time, cast iron pipe was very expensive, somewhere about $80 per ton; the cement-lined wrought iron pipe was comparatively cheap. It was then thought that, with the probable decline in the price of cast iron, the interest money saved in 20 years would be more than sufficient for replacing this pipe with cast iron. This has not only proven true, but, from our present point of view, we have replaced with much larger sizes than the original commission would have felt warranted in adopting."

PRICES WILL HOLD FOR MONTHS TO COME.

The closing days of October witnessed the placing of some of the largest orders for steel rails, locomotives and railroad cars that have ever been placed in the country's history. Practically all these orders are for delivery in 1900, assuring for that year a continuation of the present prosperity for our iron and steel industries and for all dependent industries. The magnitude of these orders will have a very important influence in determining iron and steel prices for the remainder of 1899 and for at least the first six months in 1900. If there had been any hope of lower prices the large orders recently given out would have been withheld. Considered, however, in connection with our rapidly-increasing capacity of production, the subsidence of much of the excited demand that has recently existed for prompt deliveries, and the coming on of winter, when outside operations must of necessity be more or less restricted, they certainly afford strong warrant for the opinion that prices will remain practically stationary for many months to come. Indeed, most iron and steel prices were virtually stationary all through October. In this survey of the situation we do not include iron ore, which will be much higher in price in 1900 than it has been in 1899.—The Bulletin.

NEW IDEAS.

All progress, of course, is the result of new ideas, and often of ideas that the great mass of people deem impracticable and cranky. The people who have made our present brilliant civilization were those who thought better and better than the millions thought. They conceived something novel, something that the plodders never conceived, and gave us the application of steam and electricity, the telegraph and telephone, our improved breeds of stock and all the modern implements and machinery that we have upon our farms. Fulton, Watt, Morse, McCormick, and the whole line of inventors, were simply original thinkers.

But in considering these great inventors and their great achievements, the humble inventor of small things should not be overlooked. His efforts have cleared from the pathway of invention innumerable difficulties, and have rendered easy a task that a few years since would have been impossible. The mind cannot conceive of the possibilities that might have been within the grasp of the eminent inventors mentioned above, were they to begin their work under the mechanical and scientific conditions of to-day. — Communication from Messrs. Marion & Marion, solicitors of patents and experts, New York Life Building, Montreal.

BANK BUSINESS GOOD.

The October bank note circulation was a record one for that month, showing a large expansion for the month of $3,000,000 to $49,500,000, being an increase of $7,000,000 over the same month last year, says Bradstreets. The growth of public deposits in the banks the past year has been very large, and the total is now $272,000,000, or an increase for the year of $33,000,000. The trade discounts for October were $259,000,000, an increase for the month of $5,000,000, and an increase for the year of $35,000,000. Call loans increased $1,000,000 last month, and are now $10,000,000 more than a year ago.

INCREASE YOUR SALARY

by study "after hours." We fit you to fill the highest places. We have started thousands of young men and women to prosperity through

EDUCATION BY MAIL

in Electrical, Mechanical, Steam, Mining and Civil Engineering; Metallurgy, Art, Architecture, Journalism, English Branches Stenography, Machine Design and Mechanical Drawing. Low price; easy terms.

Sent free to those who enroll now, a complete Drawing Outfit worth $11.10.

The United Correspondence Schools, 151 Fifth Ave., New York.

Most thorough and complete course of any correspondence school in the world.

Send for catalogue No. 108.



FOR SALE.

A NEW MARLIN RIFLE

Never been used. Just the Rifle for practice. Price $30. Will take $20.

19 Board of Trade, Montreal

The Syracuse Smelting Works

ARE MANUFACTURERS OF

Plumbers' and Tinsmiths' Solder

of highest quality. Highest market prices paid for old Brass and Copper.

SYRACUSE SMELTING WORKS

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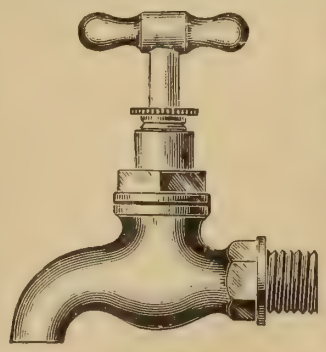
Sizes, ¾ and ½-inch.



Cheapest IN THE WORLD.

J. M. LITCHFIELD
105 Beekman St., New York.

Made with 1½-inch shank with thread and nut.



The Imperial Faucet

With improved loose valve—easily renewed.

UNIQUE DESIGN.

WELL MADE.

Manufactured by

The James Morrison Brass Mfg. Co., Limited.

PERSONS addressing advertisers will kindly mention having seen their advertisement in Canadian Hardware and Metal Merchant.

Toronto Foundry Co.

Manufacturers of SOIL PIPE, FITTINGS, SINKS, BOILER STANDS.

Nos. 146-148-150 Niagara Street, TORONTO

The only Exclusive Manufacturers of Soil Pipe and Soil Pipe Fittings in Canada. . . . . .

All goods stamped T. F. Co. are warranted

FROM A BUYER'S POINT OF VIEW.

WE all have our prejudices, even the man who sits at the buyer's desk not being entirely unbiased — at least, in some matters, remarks a writer in Iron Age. Of course, everyone who knows anything at all understands that buyers, as a class, are so infallible that almost any one of them would be a fit candidate for the Vatican! But when it comes to prejudices we are liable to err—slightly, at least —and, perhaps, let our personal feelings stand in our own light.

STROKES THE WRONG WAY.

For example, I find I take dislikes to certain men who call upon me representing manufacturers, and my prejudice becomes so strong that I know I do not always treat them in a way to make them disposed to give me their very best terms and prices. I think all buyers will agree with me that the men who come to sell us hardware and kindred lines are, in the main, good business men and gentlemen, but there are not a few who stroke us the wrong way. Let me give an example. I was seated at my desk a few days ago, engaged with one of our old friends who represents a number of lines, when, without the least hesitation or "pardon the interruption for a second," another salesman (not a stranger) came up to me, handed me his card and said, "How's things?" "What things?" I asked. "Oh, business." "We are very busy," I said, "and you will have to come in this afternoon." "At what hour?" "Oh, say 4 o'clock." "May I interrupt this other gentleman just a second? I have a sample of a new wrench that I would like to have you look at before I show it to any of your competitors," and he pulled a miniature wrench out of his pocket and tossed it on my desk. Now, if that man had handed me the wrench I should have examined it, but the toss made me feel like kicking the fellow out of my office; but I tried to be polite, and said, returning the wrench to him unexamined, "You must excuse me until this afternoon, unless you choose to wait here outside this office until I have finished with this gentleman." "Very well, I'll wait," and he stepped outside my little inclosure. He did not seat himself on the "mourners' bench," but walked up and down the floor puffing a cigarette and glancing toward my desk continually.

ONLY AN ASS.

My eastern friend, who has a calm, easy manner, seeing I was ruffled said to me. "If I were you I wouldn't let a thing like that annoy me; he's only an ass." And I soon cooled off, but I didn't buy any wrenches that day nor anything else from the man who didn't know enough not to step in between another salesman and myself.

CONFIDENTIAL PRICES.

When a salesman tries to make me believe that he is giving me a lower price on a certain article than he has obtained for the same thing from my competitor, who may be a larger distributer than I, I am exceedingly skeptical; but when this same salesman whispers that astonishing information in my right ear or even the left I am still more doubtful than I should have been had he spoken his little piece in an ordinary tone of voice. Please bear in mind that the mourners' bench on which other waiting salesmen may be seated is not so near my desk that a quotation given me can reach said bench.

NO WHISPERING ALLOWED.

I hate to have a man get close to me and whisper an extra 5 per cent., for example. If while he whispers he holds on to my watch chain that only makes the case more interesting. There are only two or three men who ever go through this performance with me, and were they persons of any perception or did they understand human nature a little bit they would have discovered long ago that these tactics were not agreeable to me.

FLATTERY NOT A WINNER.

It is all very sweet and flattering to have a salesman tell you that he is favoring you above your competitors, but the buyer who is not easily cajoled is sure to take these special and strictly confinential quotations not only with a grain of salt but with a whole barrel full and overflowing. Of course the majority of old timers who call upon me never attempt to catch fish with any such poor bait as "a special quotation which the factory has authorized me to make you."

CAPACITY OF BRITISH TINPLATE WORKS.

The capacity of the tinplate mills of South Wales may be computed within a narrow margin of error on the data available. The average output of a good mill will be 640 boxes of 112 lb. each per week, and if the mill is worked steadily throughout the year this will mean an annual output per mill of about 1,664 tons. The total number of mills given in the monthly returns of the Board of Trade is about 469, of which, at the end of September, about 370 mills were reported to be at work. It is probable that at the present time this number will have been increased to quite 400, and if we assume an average annual capacity of 1,664 tons over the whole, this will mean a total annual capacity for the mills in actual work of 665,000 tons, with an added capacity of, perhaps, 110,000 tons for the mills that are unemployed.—Coal and Iron Trades Review.

INCREASE IN PIG IRON OUTPUT.

THE IRON AGE reports a further increase in the output of pig iron as follows:

"A considerable number of blast furnaces started during October, and, in some districts, notably in Pittsburg, the output is heavy, with the same plants working. The result is that we entered the current month with the greatest production progressing.

"The weekly capacity of the furnaces in blast on November 1 compares as follows with that of preceding periods:

	Furnaces in Blast.	Capacity Per Week. Gross Tons.
November 1, 1899.	287	288,522
October 1	265	278,650
September 1	257	267 335
August 1	244	267,672
July 1	237	263,363
June 1	220	254,062
May 1	217	250,095
April 1	205	245,746
March 1,	192	228,195
February 1	195	237,639
January 1	200	243,516
December 1, 1898.	195	235,528
November 1	196	228,935
October 1	192	215,635

FURNACE STOCKS.

"The position of furnace stocks, sold and unsold, as reported to us, was as follows on November 1, the same furnaces being represented as in former months. This does not include the holdings of the steel works producing their own iron:

Stocks—	Aug. 1.	Sep. 1.	Oct. 1.	Nov. 1
Anthracite & coke	107,270	107,321	93,250	89,709
Charcoal	42,998	30,500	27,291	21,834
Totals	150,268	137,821	120,541	111,543

WARRANT STOCKS.

"We are indebted to the American Pig Iron Storage Warrant Company for the following statement of stocks of warrant iron:

Stocks—	Aug. 1.	Sep. 1.	Oct 1.	Nov. 1.
Coke & anthracite	26,800	20,200	14,800	10,300
Charcoal	15,700	12,400	7,700	6,100
Totals	42,500	32,600	22,500	16,400

"Our monthly blast furnace statistics show that the active capacity of the coke and anthracite furnaces has increased by 8,981 tons weekly, to the magnificent total of 281,409 tons weekly. Yet the very small stock in furnace yards has been drawn upon a little more, and the total stock in warrant yards has declined to 10,300 tons.

"Thus far only a few of the furnaces which were expected to go in after a long period of idleness have actually become producers. There is still, notably in the South, quite a considerable number of them which are still to be heard from. During the next few months they will slowly fall into line and may add somewhat to the make. In the whole Central West little additional capacity is available outside of the two furnaces of The Ohio Steel Company, at Youngstown, now being completed."

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, **Montreal.**

Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates, Galvanized Sheets, Imitation Russia Sheets Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.



VanTuyl & Fairbank

Petrolia, Ont.

Headquarters for . .

Oil and Artesian Well Pumps, Casing, Tubing Fittings, Drilling Tools, Tables, etc.

R. C. LeVESCONTE

Barrister, Solicitor, Notary, Etc.

THE McKINNON BUILDING
Cor. Jordan and Melinda Streets

. . . TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.

No. 3 Patent Well.

"Oil wont spill if upset."



Manufactured by

E. T. WRIGHT & CO.

Hamilton, Canada.

Send for New Catalogue.

TRADE MARK J REGISTERED.

"JARDINE" TIRE UPSETTERS WILL UPSET TIRES

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.
HESPELER, ONT.



PATENTED.

Standing Seam and Slate Roof SNOW SHOE IRONS



No snow rails need be used unless desired. The lugs clinch through the seam easily but securely. Send for catalogue.

Berger Bros. Co.,

Mfrs. of TINNERS' HARDWARE AND ROOFERS' SUPPLIES,
Philadelphia, U.S.A.

HARRINGTON & RICHARDSON ARMS CO.

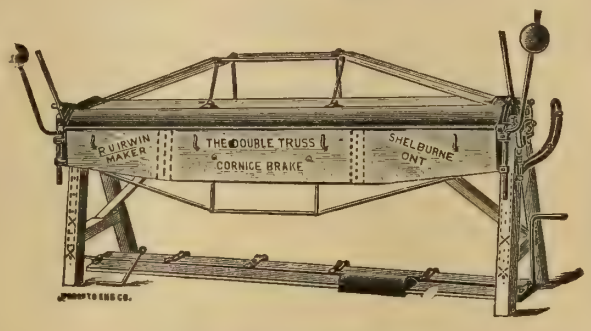
WORCESTER, MASS., U. S. A.



Makers of
High Grade REVOLVERS

SEND FOR COMPLETE CATALOGUE.

For sale by Sporting Goods and Hardware Stores almost everywhere.



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

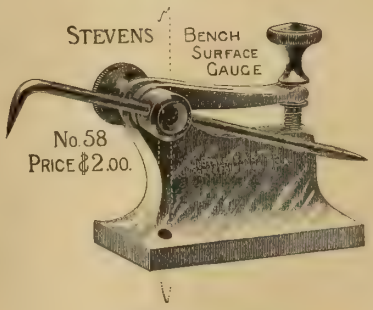
Price, $50

Very handy beader attachment, $10 extra if required.

Send for circulars and testimonials to

The Double Truss Cornice Brake Co. SHELBURNE, ONT.

STEVENS ...FINE TOOLS



We make a perfect line of

CALIPERS and DIVIDERS

Also such tools as Surface Gauges, Tool Makers' Clamps, Center Punches, etc.

Write for our New Catalogue containing a description of our Tools. It is also a valuable hand-book of information for mechanics and people interested in such lines.

J. Stevens Arms & Tool Co.
P.O. Box 216, Chicopee Falls, Mass, U.S.A.

Carried by our representatives at Toronto and Montreal.

HUTCHISON, SHURLY & DERRETT

DOVERCOURT TWINE MILLS.

1078 BLOOR STREET WEST TORONTO.

Having equipped our Factory with entirely new machinery, we are prepared to furnish the best made goods in the market at closest prices and make prompt shipments.

Hand Laid Cotton Rope and Clothes Lines,
Cotton and Russian Hemp Plough Lines, plain and colored.
Cotton and Linen Fish Lines, laid and braided.
Netted Hammocks, white and colored, Tennis and Fly Nets.
Skipping Ropes, Jute, Hemp and Flax Twines.

JOSEPH RODGERS & SONS

Limited

SHEFFIELD, ENGLAND.

Each blade of our Goods bears the exact mark here represented.



JAMES HUTTON & CO., MONTREAL SOLE AGENTS IN CANADA.

CURRENT MARKET QUOTATIONS.

Nov. 21, 1899.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—		
56 and 28 lb. ingots, per lb.	....	0 35
Straits	....	0 35

Tinplates.

Charcoal Plates—Bright.

		Per box
M.L.S., equal to Bradley.		
I.C., usual sizes	....	$6 50
I.X., "	....	7 75
I.X.X., "	....	9 00
J. R. & Co.—		
I.C	....	6 00
I.X	....	7 25
I.X.X	....	8 50
Famous—		
I.C.	....	6 75
I.X.	....	7 50
I.X.X	....	8 75
Raven & Vulture Grades—		
I.C., usual sizes	....	5 00
I.X., "	....	5 75
I.X.X. "	....	6 50
I.XXX., "	....	7 25
D.C., 12½x17	....	4 50
D.X	....	5 25
D.X.X	....	7 25

Coke Plates—Bright.

Bessemer Steel—		
I.C., usual sizes	....	4 35
I.C., special sizes, base	...	4 50
20x28	....	8 75

Charcoal Plates—Terne.

Dean or J. G. Grade—		
I.C., 20x28, 112 sheets	....	8 50
I.X., Terne Tin	....	10 50

Charcoal Tin Boiler Plates.

		Per lb.
Cookley Grade—		
X X., 14x56, 50 sheet bxs		0 07 0 07½
" 14x60 "		
" 14x65, "		

Tinned Sheets.

72x30 up to 24 gauge	0 08	0 08½
" 26 "	0 08½	0 09
" 28 "	0 09	0 09½

Iron and Steel.

	Base	Price
Common Bar, per 100 lbs	2 35	2 45
Refined " "	2 85	2 95
Horse Shoe	...	2 65
Hoop steel, 1½ to 3 in. base, extras for smaller sizes	....	2 75
Swedish " "	4 00	4 25
Sleigh Shoe Steel " base	....	2 70
Tire Steel	....	2 70
Machinery	....	2 65
Cast Steel, per lb	0 10	0 14
Toe Calk Steel	....	3 25
Thos. Firth & Sons' Cast Steel	0 12	0 14
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker.	2 00	2 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½-inch	....	0 11
2 "	....	0 12
2½ "	....	0 14
"	....	....

Steel Boiler Plate.

¼ inch	....	3 25
3-16 inch	....	3 40
⅛ inch and thicker	....	3 25

Black Sheets.

18 gauge	....	2 85
20 gauge	....	2 85
22 to 24 "	....	3 00
26	....	3 10
28 "	....	3 35

Canada Plates.

All dull, 52 sheets	....	3 00
Half polished	....	3 10
All bright	....	3 60

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ⅜ inch, $3.90; ½ inch, $4.90; ¾ inch, $4.90; 1 inch, $6.40; 1¼ inch, $8.10; 1½ inch, $10.40; 2 inch, $13.85. 2½ to 6 inch, discount 50 p.c.

Galvanized, ½ inch, $5.50; ¾ inch, $8.00; 1 inch, $11.50; 1¼ inch, $16.00; 1½ inch, $20.00; 2 inch, $28.50.

Galvanized Iron.

	G C. Comet.	Amer.	Queen's Head
16 gauge	....	....	4 25
18 to 24 gauge	4 50	3 80	3 95 4 50
26 "	4 75	4 10	4 35 4 75
28 "	5 00	4 35	4 60 5 00

Less than case lots, 25c. per 100 lb. additional.

Chain.

Proof Coil, 3-16 in., per 100 lb	....	....
" ¼ " "	....	8 75
" 5-16 " "	....	6 25
" ⅜ " "	...	5 50
" 7-16 " "	...	5 30
" ½ " "	...	5 10
" ⅝ " "	...	4 90
" ¾ " "	...	4 85

Halter, kennel and post chains, 40 and 50 p.c.

Cow ties ..... 40 p.c.

Stall fixtures ..... 35 p.c.

Trace chain ..... 25 and 5 p.c.

Jack chain, iron, single and double, discount 35 p.c.

Jack chain, brass, single and double, discount 40 p.c.

Copper.

Ingot.

English B. S., ton lots	0 20	0 21
Lake Superior	....	....

Bolt or Bar.

Cut lengths, round, ½ to ⅞ in.	0 23½	0 25
" round and square 1 to 2 inches	0 23½	0 25

Sheet.

Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 23	0 23½
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 23	0 23½

NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.

Tinned copper sheets	....	0 26
Planished	....	0 32

Braziers. (In sheets.)

4x6 ft. 25 to 30 lbs. ea., per lb.	....	0 25½
" 35 to 45 " "	....	0 24½
" 50-lb. and above, "	....	0 23½

Boiler and T. K. Pitts.

Plain Tinned, per lb	....	0 28
Spun, per lb	....	0 32

Brass.

Roll and Sheet, 14 to 30 gauge, 5 per cent.

Sheets, hard-rolled, 2x4	0 24	0 25
Tubing, base, per lb	0 24	0 25

Zinc Spelter

Foreign, per lb	0 07	0 07¼
Domestic "	....	....

Zinc Sheet.

5 cwt. casks	....	0 08
Part casks	....	0 08¼

Lead.

Imported Pig, per lb	0 04¾	0 05
Domestic, per lb	....	....
Bar, 1 lb	....	05
Sheets, 2½ lbs. sq. ft., by roll	0 05¼	05½
Sheets, 3 to 6 lbs., per sq. ft., by roll	0 05	0 05¼

NOTE.—Cut sheets ½ cent per lb. extra Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 17½ per cent. discount

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths, lists at 7½ cents.

Shot.

Ordinary, drop, $4.75 per 100 lb; chilled, $5.15 per 100 lb. F.O.B. Toronto; terms 3 per cent cash freights equalized on Montreal.

Soil Pipe and Fittings.

Discount, 50 and 10 per cent. on medium and extra heavy, and 50 per cent. on light.

Solder.

	Per lb.	Per lb.
Bar half-and-half	0 21	0 22
Refined	0 20½	0 2 ½
Wiping	0 20	0 20½

NOTE.—Prices of this graded according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 11	0 11½

White Lead.

	Per cwt.
Pure, Assoc. guarantee, ground in oil, 25 lb. irons	6 50
No. 1 do	6 12½
No. 2 do	5 75
No. 3 do	5 37½
No. 4 do	5 00
Robertson's Chemically Pure	6 50
Munro's Select Flake White	6 75
Elephant and Decorators' Pure	6 50

Red Lead.

Genuine, 560 lb casks, per cwt.	$5 00
Genuine, 100 lb. kegs, per cwt.	5 25 5 50
No. 1, 560 lb. casks, per cwt.	4 75
No. 1, 100 lb. kegs, per cwt.	5 00

White Zinc Paint.

Elephant Snow White	0 08	0 09
Pure White Zinc	0 08	0 09
No. 1	0 06	0 07½
No. 2	0 05	0 06½

Dry White Lead.

Pure, casks	0 05½
Pure, kegs	0 05⅝
No. 1, casks	0 04⅞
No. 1, kegs	0 05½

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)

Pure, per gallon	1 00	1 10
Second qualities, per gallon	0 90	0 95
Barn (in bbls.)	0 70	0 90
The Sherwin-Williams Paints	....	1 30
Canada Paint Co's Pure	1 10	1 20
Robertson's Pure	...	1 10
Sanderson Pearcy's Pure	1 00	1 10
Toronto Paint and Color Co.'s Pure	1 10	1 20

Colors in Oil.

(25 lb. tins, Standard Quality.)

Venetian Red, per lb		0 05
Chrome Yellow		0 11
Golden Ochre		0 06
French "		0 05
Marine Black		0 09
" Green		0 09
Chrome "		0 08
French Imperial Green		0 19

Colors, Dry.

Yellow Ochre (J.C.) bbls	1 35	1 40
Yellow Ochre (J.F.L.S.), bbls	...	2 75
Yellow Ochre (Royal)	1 10	1 15
Brussels Ochre	....	2 00
Venetian Red (best), per cwt.	1 80	1 90
English Oxides, per cwt.	3 00	3 25
American Oxides, per cwt	1 75	2 00
Canadian Oxides, per cwt.	1 75	2 00
Super Magnetic Oxides, 93 p.c.	2 00	2 25
Burnt Sienna, pure, per lb	....	0 10
" Umber, " "	....	0 10
do Raw	....	0 09
Drop Black, pure	....	0 09
Chrome Yellows, pure	....	0 18
Chrome Greens, pure, per lb.	....	0 12
Golden Ochre	....	0 03¼
Ultramarine Blue in 28-lb boxes, per lb	0 08	0 24
Fire Proof Mineral, per 100 lb.	....	1 00
Genuine Eng. Litharge, per lb	....	0 07
Mortar Color, per 100 lb	....	1 25
James' Gen. Red Lead, 100 lb	....	0 05
Pure Indian Red, No. 45, lb.	....	0 08
Whiting, per 100 lb	....	0 55

Sulphate of Copper.

Casks, for spraying, per lb		0 07
100-lb. lots, do. per lb		0 08

Putty.

Bladders in bbls		1 80
Bladders in 100 or 200 lb. kegs or bxs		1 95
Bulk in bbls., per 100		1 65
Bulk in less quantities		1 80
25-lb. tins, 4 in case		2 05
12½-lb. tins, 8 in case		2 30

Quotations f.o.b. Toronto, Ottawa, Montreal, Hamilton, London Guelph. For quantities less than 100-lbs., 2½c. per lb.

Varnishes.

(In 5-gal. lots.).		Per gal
Carriage, No. 1	1 30	1 40
Extra do.	1 50	1 60
Body Varnish	3 40	3 50
Furniture Varnish	0 60	0 75
Extra do.	1 10	1 20
Demar Varnish	....	1 60
Hard Oil Finish	1 30	1 45
Orange Shellac Varnish	2 00	2 10
White Shellac	2 20	2 25
Rubbing Varnish	....	2 00
Brown Japan	85	1 00
Elastic Oak	....	1 40

Linseed Oil.

Raw.	Boiled.	
1 to 4 bbls	$0 63	delivered $0 66
5 to 9 bbls	62	" 65
10 to 15 bbls	59	f.o.b. point shipment 62
16 to 30 bbls	57	" " 60

Toronto, Hamilton and London prices on 1 to 9 barrels are 1c. less.

Turpentine.

Single barrels	....	0 77
2 to 4 barrels	....	0 61

Freight allowed. Toronto, Hamilton and London 1c. less.

Castor Oil.

In cases, per lb	....	0 09
Small lots	....	0 10

Cod Oil, Etc.

Cod Oil, per gal	0 50	0 55
Pure Olive	....	1 20
" Neatsfoot	....	90

Glue.

(In bbls.)

Common	0 08½	0 09
French Medal	0 12	0 12½
Cabinet, sheet	0 11	0 12
White, extra	0 16	0 18
Gelatine	0 22	0 30
Strip	0 16	0 18
Coopers	0 19	0 20
Al clear	....	0 09

HARDWARE.

Ammunition.

Cartridges.

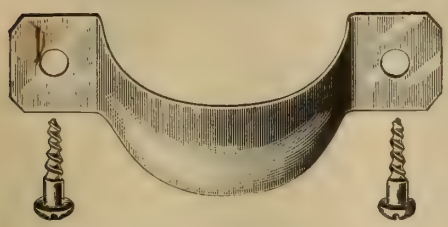
B. B. Caps. Dom., 50 and 5 per cent.
Rim Fire Pistol, dis. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18 p.c. Amr

TWO GOOD THINGS

THE KLONDIKE SAMPLE HOLDER

(see cut last issue)

AND A NEW DRAWER PULL



in solid bronze, packed with round head screws. This pull is made especially for Bennett's shelf box, and like the box is neat, strong and cheap. For prices and free sample, write to the maker of Bennett's Shelf box.

J. S. BENNETT, 20 Sheridan Ave., Toronto.

N. B.—Shelf boxes made to fit your present shelving.

WARNOCK'S TOOLS

have been Canada's Standard for 55 years---since 1844. Every article bearing our name is fully guaranteed. Always specify "Warnock's."

James Warnock & Co., - Galt, Ont.

Central Fire Cartridges, pistol sizes, Dom 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.
Brass shot Shells, 55 and 10 per cent.
Primers, Dom., 80 per cent.

Wads.

	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	

Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Per lb	0 10	0 12½
Anvil and Vice combined	....	4 50
Wilkinson & Co.'s Anvils..lb.	0 09	0 09½
Wilkinson & Co.'s Vices..lb.	0 09¾	0 10

Augers.

Gilmour's, discount 50 and 10 p.c. off list.

Hollow, Stearn's, per dozen..	13 00	20 00
Adjustable, Stearn's, each..	4 50	6 50
Post-hole, Vaughan's, each..	60	90

Axes.

Chopping Axes—		
Single bit, per doz	5 50	10 00
Double bit, "	11 00	18 00
Bench Axes, 40 and 15 p.c.		
Broad Axes, 33⅓ per cent.		
Hunters' Axes	5 50	6 00
Boy's Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Bath Tubs.

Zinc	3 90	4 00
Copper, discount 40 and 10 p.c. off revised list		
Steel clad, discount 20 per cent. Boxing extra.		

Anti-Friction Metal.

Tandem" A	per lb.	0 23
" B	"	0 19
" C	"	0 11½

Magnolia Anti-Friction Metal, per lb. 0 25
F. O. B. New York or Chicago.

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent.

Door.

Gongs, Sargant's	5 50	8 00
" Peterboro', discount 50 per cent.		

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00
Blacksmiths', discount 60 per cent.		

Belting.

Extra, 50 per cent.
Standard, 50 and 10 to 50, 10 and 5 per cent.
Agricultural, 60 and 10 p.c.

Bits.

Auger.

Gilmour's, discount 50 and 10 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent.

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Sheil, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts. Per cent.

Norway Bolts, full square	65
Common Carriage Bolts, all sizes	50
" full square	65
Machine Bolts, all sizes	52½
Coach Screws	65
Sleigh Shoe Bolts	70
Blank Bolts	52½
Bolt Ends	62½
Nuts, square	3½c. off
Nuts, hexagon	4c. off
Tapping Nuts	60
Tire Bolts	60 and 10
Stove Bolts	60 and 10
Stove rods, per lb	5½ to 6c.
Plough Bolts	50

Boot Calks.

Small and medium, per M	4 50	
Small heel, per M	4 25	

Bright Wire Goods.

Discount ..... 55 per cent.

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent.

Henis, No. 8, "	....	6 00
Henis, No. 9, "	....	7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Plain building, per roll	0 28
Tarred lining, per roll	0 35
Tarred roofing, per 100 lb	1 40
Coal Tar, per barrel	3 75
Pitch, per 100-lb	0 60
Carpet felt, per 100 lb	2 50

Bull Rings.

Copper, $2.50 for 2½ in. and $2 for 2 in.

Butts.

Brass.

Wrought Brass, net revised list.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel.

Fast Joint, dis. 60 and 10 per cent.
Loose Pin, dis. 60 and 10 per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Cards.

Horse, per doz	0 60	1 00

Carpet Sweepers.

Bissell, per doz	22 50
World, "	21 75
Daisy, "	24 00
Star, "	18 00
Crown Jewel, per doz	29 00
Grand Rapids, "	24 00 33 00

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	50	9 50

Cement.

Canadian Portland	2 65	2 90
English "	....	3 00
Belgian "	....	2 70
Canadian hydraulic	1 00	1 10

Figures are for barrel lots.

Chalk.

Carpenters, Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 60 and 5 per cent.
Warnock's, dis. 60 per cent.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above. Discounts: Delivered from factories, 60 p.c.; from stock in Montreal, 58 p.c. Terms, 4 months or 3 p.c. cash in 30 days.

Cinder Sifters.

Per doz	1 25

Clips.

Axle dis. 65 per cent.

Closets.

Plain Ontario Syphon Jet	$8 00
Emb. Ontario Syphon Jet	8 50
Fittings	1 00
Plain Teutonic Syphon Washout	4 75
Emb. Teutonic Syphon Washout	5 25
Fittings	1 00
Plain Richelieu	4 75
Emb. Richelieu	5 00
Fittings	1 25
Closet connection	1 25
Basins, round 14 in.	0 65
" oval, 17 x 14 in.	1 55
" " 19 x 15 in.	2 30

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 20 per cent. from factory.

Dies.

Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. per cent.

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Broad's, dis 60 to 60 and 7½ per cent.
Warnock's, dis. 60 to 60 and 7½ per cent.

Drills.

Hand and Breast.

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.

Stovepipe.

Per doz	0 85	1 70

ESCUTCHEONS.

Discount, 27½ per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 45 per cent.

FILES.

Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Jowitt's, English list, 25 to 27½ per cent
Mechanics' Star & File Mfg. Co. Discount 60 and 10 to 70 per cent.

FORKS.

Hay, manure, etc., dis., 50 and 10 per cent. revised list.

FRUIT PRESSES.

Henis', per doz	3 25	3 50

Shepard's Queen City, dis. 15 per cent.

GAUGES.

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft
Under 26	2 10	4 00	3 50	6 00
26 to 40	2 30	4 35	3 75	6 65
41 to 50	....	4 75	....	7 25
51 to 60	....	5 00	...	8 50
61 to 70	....	5 35	....	9 25
71 to 80	....	5 75	....	10 50
81 to 85	....	6 50	....	11 75
86 to 90	....	7 25	....	14 00
91 to 95	....	....	....	15 50
96 to 100	....	....	....	18 00
101 to 105	....	....	....	21 00
106 to 110	....	....	....	24 00
111 to 115	....	....	....	28 00

16 x 16 10 per cent. off.

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis 5 to 10 per cent. Can. dis. 25 to 27½ per cent.

Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz., net	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pair	0 40	2 50

Fork

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. list.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾	0 20

HANGERS.

	doz. pairs	
Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50
Lane's covered—		
No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot	.. ..	4½

HARVEST TOOLS.

Discount, 50 and 10 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent.

HINGES.

Blind, Parker's, dis. 60 and 10 to 65 per cent
" Shepard's Noiseless, dis. 60 per cent.
" " Buffalo, dis. 60 to 70 p. c.

Heavy T and strap, 4-in., per lb		....	0 06
" " 5-in.,	"	....	0 05¾
" " 6-in.,	"	...	0 05½
" " 8-in.,	"	....	0 05¼
" " 10-in.,	"	....	0 05

Light T and strap, dis. 60 and 10 per cent.
Screw hook and hinge—

6 to 12 in., per 100 lbs	....	4 50
14 in. up, per 100 lbs	...	3 50
		Per gro. pair
Spring	....	8 50

HOES.

Garden, Mortar, etc., dis. 60, 10 and 5 p.c.		
Planter, per doz	4 00	4 50

HOLLOW WARE

Discount,..... 45 and 5 per cent

HOOKS.

Cast Iron.

Bird Cage, per doz.....	0 50	1 10
Clothes Line, per doz.....	0 27	0 63
Harness, per doz.....	0 72	0 88
Hat and Coat, per gross.....	1 00	3 00
Chandelier, per doz.....	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.

Hat and Coat, discount 60 per cent.
Belt, per 1,000..... 0 60 0 70
Screw, bright, dis. 55 per cent.

HORSE NAILS.

C" brand 50 p.c. dis.
M" brand 50 p.c. } Oval head.

Acadian, 50 and 20 p.c., countersunk head.

HORSESHOES.

Iron Shoes.	F.O.B. Toronto. No. 2 and larger.	No. 1. and smaller.
Light, medium, and heavy.	3 80	4 05
Snow shoes.....	4 05	4 30
Steel Shoes.		
Light.....	4 10	4 35
Featherweight (all sizes).....	5 35	5 35

JAPANNED WARE.

Discount, 50 per cent. off list, June, 1893.

ICE PICKS.

Star, per doz..... 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb..... 0 30 0 50
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 50 p.c.
Cabinet, trunk, and padlock, Am. per gross..... 60

KNOBS.

Door, japanned and N.P., per doz	1 50	2 50
Bronze, Berlin, per doz.....	2 75	3 25
Bronze Genuine, per doz....	6 00	9 00
Shutter, porcelain, F. & L. screw, per gross.....	1 30	4 00

HAY KNIVES.

Discount, 50 and 10 per cent.

LANTERNS.

Cold Blast, per doz.....	7 50
No. 3 " Wright's".....	8 50
Ordinary with O burner.....	4 25
Dashboard, cold blast	9 50
No. 0.....	6 00

Japanning, 50c. per doz. extra.

LEMON SQUEEZERS.

	per doz.	
Porcelain lined,.....	2 20	5 60
Galvanized	1 87	3 85
King, wood.....	2 75	2 90
King, glass.....	4 00	4 50
All glass.....	1 20	1 30

LINES.

Fish, per gross.....	1 05	2 50
Chalk "	1 90	7 40

LOCKS

Canadian, dis. 27½ p.c.
Russell & Erwin, per doz.... 3 05 3 25
Cabinet.
Eagle, dis. 30 p.c.
Padlock.
English and Am., per doz.... 50 6 00
Scandinavian, " 1 00 2 40
Eagle, dis. 15 to 17½ p.c.

MACHINE SCREWS.

Iron and Brass.

Flat head, discount 25 p.c.
Round Head, discount 20 p.c.

MALLETS.

Tinsmiths', per doz.....	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz..	3 85	5 00
Caulking, each.....	60	2 00

MATTOCKS

Canadian, per doz.....	8 50	10 00

American, 60 and 10 p.c. off list.

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2d. and 3d	$3 60	$4 30
3d.....	3 25	3 95
4 and 5d.....	3 00	3 80
6 and 7d.....	2 90	3 65
8 and 9d.....	2 75	3 45
10 and 12d.....	2 70	3 40
16 and 20d.....	2 65	3 35
30, 40, 50 and 60d. (base).....	2 60	3 30

Steel Cut Nails 10c. extra.

NAIL PULLERS.

German and American..... 1 85 3 50

NAIL SETS.

Square, round, and octagon, per gross 3 38 4 00
Diamond 12 00 15 00

NETTING.

Poultry, 40 per cent. for McMullen's.

OIL.

Canada refined (Toronto)....	....	0 13½
Sarnia Water White.....	....	0 15
Pratt's Astral.....	....	0 18
Sarnia, Prime White.....	....	0 14
American w. w.....	....	0 16½

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz.....	0 00	11 00
Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz.....	1 25	3 50
Brass, "	1 50	3 50

Malleable, dis. 25 per cent.

PAILS.

Galvanized pails, discount 45 per cent.
Galvanized flaring pails, discount 45 per cent
Galvanized washtubs, discount 45 per cent.

PIECED WARE.

Discount, 40 per cent. off list, June, 1899.

PICKS.

Per doz 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross....	1 40	3 00
Brass head, "	0 40	1 00

PLANES.

Wood, bench, Canadian dis. 55 per cent. American dis. 55.
Wood, fancy Canadian or American, 37½ to 40 per cent.
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.
Miscellaneous, dis. 25 to 27½ per cent.
Bailey's Victor, 25 per cent.

PLANE IRONS.

English, per doz..... 2 00 5 00

PLIERS AND NIPPERS.

Button's Genuine, per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz.. 5 00 9 00
German, per doz..... 0 60 2 60

PRESSED SPIKES.

Discount, 20 per cent.

PULLEYS.

Hothouse, per doz.....	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning.....	0 35	2 50

PUMPS

Canadian cistern.....	1 40	2 25
Canadian pitcher spout.....	1 15	2 00

PUNCHES.

Saddlers', per doz.....	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set.....	0 00	0 72
" hollow, per inch....	0 00	1 00

RANGE BOILERS

Galvanized, 30 gallons			8 50
" 35 "			10 00
" 40 "			11 00
Copper, 30 "			22 00
" 35 "			26 00
" 40 "			30 00

Discount off Copper Boilers 10 per cent.

RAKES.

Cast steel and malleable Canadian, list dis. 50 and 10 p.c revised list.
Wood, 25 per cent.

RASPS AND HORSE RASPS.

New Nicholson horse rasp, discount 60 p.c.
Globe File Co.'s rasps, 60 and 10 to 70 p.c.
Heller's Horse rasps, 50 to 50 and 5 p.c.

RAZORS.

	per doz.	
Geo. Butler & Co.'s,.....	8 00	18 00
Boker's	7 50	11 00
Wade & Butcher's...	3 60	10 00
Theile & Quack's.....	7 00	12 00

REAPING HOOKS.

Discount, 50 and 10 per cent.

REGISTERS.

Discount,..... ..... 60 per cent.

RIVETS AND BURRS.

Carriage, Section, Wagon Box Rivets, etc (Steel), 45 p.c.
Black M. Rivets (Steel), 45 p.c.
Black and Tinned Rivets, 45 p.c.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets & Burrs, 35 p.c. dis., and cartons, 1c. per lb. extra, net.
Extras on Tinned or Coppered Rivets in ½-lb. cartons, 1c. per lb.
Burrs, iron or steel, 40 per cent.
Terms, 4 mos. or 3 per cent. cash 30 days.

RIVET SETS.

Canadian, dis. 35 37½ per cent.

ROPE, ETC.

	Sisal.	Manila.
7-16 in. and larger, per lb.	12½	15
⅜ in.....	13	15½
¼ and 5-16 in.	13½	16
Cotton		14
Russia Deep Sea		15½
Jute		8
Lath Yarn		9¾
New Zealand Rope.....		10½

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

	per set.
Mrs. Potts, plain, polished	0 90
" " " 12 case ots	0 85

10c. advance for plated.

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 2½ per cent.
Emery, 40 per cent.

SAWS.

Hand, Disston's, dis. 12½ p.c.
S. & D., 40 per cent.
Crosscut, Disston's, per ft.... 0 35 0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.
Hack, complete, each..... 0 75 2 75
" frame only..... .... 0 75

SASH WEIGHTS.

Sectional, per 100 lbs.....	....	3 25
Solid, "	....	1 50

SASH CORD.

Per lb.....	0 20	0 50

SAW SETS.

"Lincoln," per doz.....	....	6 50

SCALES

Gurney Scales, 45 p.c.
B. S. & M. Scales, 45 p.c.
Champion, 55 per cent.
Fairbanks Standard, 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Chatillon Spring Balances, 10 p.c.

SCREW DRIVERS.

Sargent's, per doz.....	0 65	1 00

SCREWS

Wood, F. H., iron, and steel, 80 p.c.
Wood R. H., " dis. 75 p.c.
" F. H., brass, dis. 75 p.c.
Wood, R. H., " dis. 67½ p.c.
" F H, bronze, dis. 67½ p.c.
" R.H. " 62½ p.c.
Drive Screws, 80 per cent.
Bench, wood, per doz..... 3 25 4 00
" iron, " 4 25 5 75

SCYTHES.

Discount, per doz. net.....	9 00	15 00

S THE SNATHS.

Canadian, dis. p.c.

SHEARS

Seymour's, dis. 50 and 10 p.c.
Heinisch, dis. 50 and 10 p.c.
Seymour or Heinisch tailor shears. 15 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SNAPS.

Harness, German, dis. 25 p.c.		
Lock, Andrews'.....	4 50	11 50

SOLDERING IRONS.

1, 1½ lb., per lb.....	0 37
2 lb. or over, per lb.	0 34

SQUARES.

Iron, per doz.....	1 65	2 90

Steel, dis. 50 and 10 per cent., revised list.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p.c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized	3 80
Bright	3 55

STOCKS AND DIES.

American dis. 25 p.c.

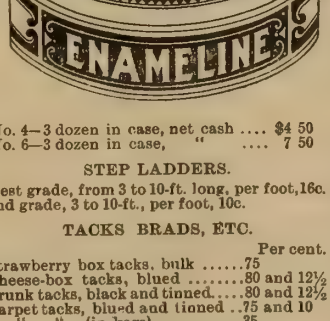
STONE.

	Per lb,	
Washita.....	0 28	0 60
Hindostan..	0 06	0 07
" slip, ...	0 09	0 09
Labrador.....	....	0 13
" Axe.....	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, per ton	15 00	18 00

STOVE PIPES.

5 to 6 inch, per 100 lengths....	....	6 75
7 inch, per 100 lengths.....	....	7 25

Stove Polish.



No. 4—3 dozen in case, net cash	$4 50
No. 6—3 dozen in case, "	7 50

STEP LADDERS.

Best grade, from 3 to 10-ft. long, per foot, 16c.
2nd grade, 3 to 10-ft., per foot, 10c.

TACKS BRADS, ETC.

	Per cent.
Strawberry box tacks, bulk 75	
Cheese-box tacks, blued .....80 and 12½	
Trunk tacks, black and tinned.....80 and 12½	
Carpet tacks, blued and tinned ..75 and 10	
" " (in kegs) 35	
Cut tacks, blued, in dozens only ..70 and 10	
" ¼ weights 55	
Swedes, cut tacks, blued and tinned—	
In bulk 80	
In dozens .....70 and 10	
Swedes, upholsterers', bulk .....80 and 12½	
" brush, blued & tinned, bulk..45	
" gimp, blued tinned and japanned..... .....70 and 10	
Zinc tacks 30	
Leather carpet tacks 55	
Copper tacks 50	
Copper nails 52½	
Trunk nails, black 65	
Trunk nails, tinned .....65 and 5	
Clout nails, blued and tinned.....	65
Chair nails	35
Cigar box nails	35
Patent brads	40
Fine finishing	40
Picture frame points	10
Lining tacks, in papers	10
" " in bulk	15
" " solid heads, in bulk.....	75
Saddle nails in papers	10
" " in bulk	7
Tufting buttons, 22 line, in dozens only	5
Tin capped trunk nails.....	5
Zinc glazier's points.....	5
Double pointed tacks, dozens.....	85
" " " bulk	35

TAPE LINES.

English, ass skin, per doz....	2 75	5 00
English, Patent Leather....	5 50	9 75
Chesterman's each.....	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRANSOM LIFTERS.

Payson's per doz.....	2 60

TRAPS. (Steel.)

Game, Newhouse, dis. 40 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's, discount 10 per cent.		
German, per doz.....	4 75	6 00
Brade's "	5 00	10 50

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb.....	....	0 21
Wrapping, mottled, per pack.	0 50	0 60
Wrapping, cotton, per lb	0 17	0 18
Mattress, per lb.....	0 33	0 45
Staging, "	0 27	0 35
Broom, "	0 30	0 55

VISES.

Hand, per doz.....	4 00	6 00
Bench, parallel, each	2 00	4 50
Coach, each.....	6 00	7 00
Peter Wright's, per lb.....	0 12	0 13
Pipe, each.....	5 50	9 00
Saw, per doz	6 50	13 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Smooth Steel Wire, base, $3.35 f.o.b. factory points. List of extras: Nos. 2 to 5, advance 7c. per 100 lb.—Nos. 6 to 9, base—No. 10, advance 7c.—No. 11, 14c.—No. 12, 20c.—No. 13, 35c.—No. 14, 47c.—No. 15, 60c.—No. 16, 75c. Extras net per 100 lb.: Coppered wire, 60c.—tinned wire, $2—oiling, 10c.—special hay-baling wire, 30c.—spring wire, $1—best steel wire, 75c.—bright soft drawn, 15c.—in 50 and 100-lb. bundles net, 10c.—in 25-lb. bundles net, 15c.—packed in casks or cases, 15c.—bagging or papering, 10c.
Fine Steel Wire, dis. 12½ per cent. factory. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, $7.65—No. 24, $8—No. 25, $9—No. 26, $9.50—No. 27, $10—No. 28, $11—No 29, $12—No. 30, $13—No. 31, $14—No 32, $15 No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31, $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $3.60—No. 9, $3.10—No. 10, $3.70—No. 11, $3.75—No. 12, $3 20—No. 13, $3.45—No. 14, $4 10—No. 15, $4.70—No. 16, $4.85.

Broom Wire, per lb.....	0 05	0 05½
Clothes Line Wire, 19 gauge, per 1,000 feet.....		3 30

WIRE FENCING.

	F.O.B. Toronto
Galvanized, 4 barb, 2¼ and 5 inches apart.....	3 50
Galvanized, 2 barb, 4 and 6 inches apart.....	3 50
Galvanized, plain twist.....	3 50

Terms, 2 per cent. in 10 days.

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net... 1 85

WRENCHES.

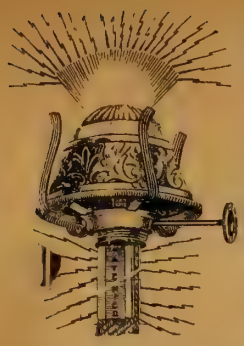
Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.
Diamond, dis. 33⅓ to 35 per cent.

Towers' Engineer, each.....	2 00	00
" S., per doz	5 80	00
G. & K.'s Pipe, per doz.....	....	3 40
Burrell's Pipe, each.....	....	3 00
Pocket, per doz.....	0 25	2 90

WRINGERS.

Leader.....per doz.	$60 00
Royal Canadian ..... "	58 00
Royal American ..... "	48 00

Discount, 45 per cent.; terms 4 months, or 3 p.c. 30 days. Prices are f.o.b. London Hamilton Toronto, Brockville or Montreal.



This light, we claim, produces a steady incandescent light double the value of ordinary, and consumes less oil (Canadian preferred). Requires snuffing only once in two months—does not smoke—chimneys need no wiping. Positively without smell. Why? Because our automatic battery produces an electric current from the chemicals of the oil which carbonizes the wick, thus the above results. Less explosive. Will fit any lamp. Sells at sight.

Manufactured by

Electric Petroleum Light Co.,

- - - Toronto.

Write for prices to **H. S. Howland, Sons & Co.,**

Front St. West, Toronto.

FULL STOCK

DIAMOND BRAND



WIND GUARDS, CHIMNEY TOPS, FLUE LININGS,

CULVERT PIPES, SEWER PIPES, INVERT BLOCKS.

Manufactured by the

HAMILTON AND TORONTO SEWER PIPE CO.

Hamilton, Ontario. Limited

Deseronto Iron Co.

LIMITED

DESERONTO, ONT.

Manufacturers of

Charcoal Pig Iron

BRAND "DESERONTO."

Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

SHIELD BRAND

Sheathing is the

BEST.

Ask your dealer for it.

Manufactured by

Lockerby & McComb

65 Shannon Street, MONTREAL.

SITUATIONS

in the Business Field are constantly opening to those who are qualified to fill them. The

Central Business College,

TORONTO, received these calls for help within three days from Oct. 30th: Bradstreet's Agency, lady, stenographer; H. H. Williams, Real Estate, young man, clerk and stenographer; J. D. King & Co., lady, stenographer; Gowans, Kent & Co., lady, bookkeeper; King, Darrell Produce Co., young man, bookkeeping and stenography.

Our students secure such places as soon as they become qualified for them.

It will pay to prepare for them. Correspondence invited.

W. H. SHAW, Principal.

CHAS. F. CLARK, President. JARED CHITTENDEN, Treasurer.

ESTABLISHED 1849.

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Executive Offices: 346 and 348 Broadway, New York City, U.S.A.

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THOS. C. IRVING, Gen.-Mgr., Western Canada, Toronto, Ont.

PERFECTION AUTOMATIC REVOLVER.



NEW Automatic shell extracting, double action, small frame. Weighs 12 oz. Rebounding lock. 32 caliber. 5 shot.

Made with shorter barrel for bicycle use.

The most perfect small pistol made.

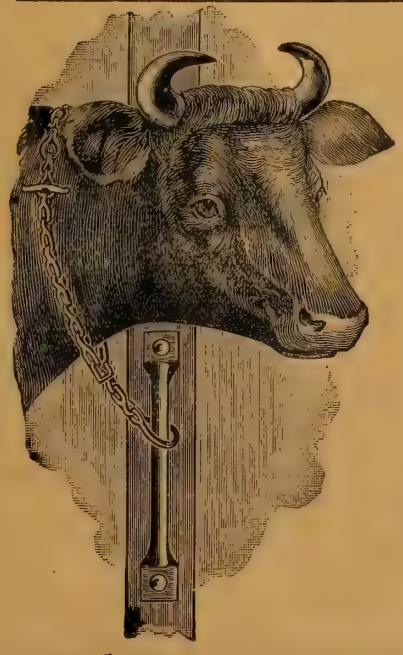
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Forehand Arms Co.

Manufacturers of the

Forehand Guns

Worcester, Mass.



Dominion Pattern

Cow Tie AND Stall Fixture

The special features of the tie and stall fixture are well shown in the illustration. As will be noticed the chain is very short which prevents all danger of entanglement with the animal's foot. At the same time the form of the fixture is such that great freedom is allowed to the head. Because of the short chain this tie is much cheaper than the ordinary patterns.

The stall fixture is made from a tough quality of steel and is very strong. Also, owing to its circular cross-section, it is exceedingly rigid. Its simplicity, convenience, cheapness, and ease of attaching make it very popular with cow tie users.

This form of tie and stall fixture are sometimes called Niagara pattern.

American or Flat Link Chain,

for years the standard cow tie chain in "the States," is now rapidly coming in favor in Canada. Its short link, handsome appearance and smooth surface—which cannot injure the animal's neck—make it superior to all other styles of chain for cow ties.

For sale by all Jobbers; manufactured by

ONEIDA COMMUNITY, Limited, NIAGARA FALLS, ONT.



Est. 1868 Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve  Medals

Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895



HAVE YOU TRIED IT?



"PYRAMID" BRAND



BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM
HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

Sole Manufacturers:

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

61-63 FRONT ST. WEST, TORONTO.

THE CENTRE OF ATTRACTION IN THE STOVE TRADE

Is the... Celebrated **"Grand Jewel"**

15,000

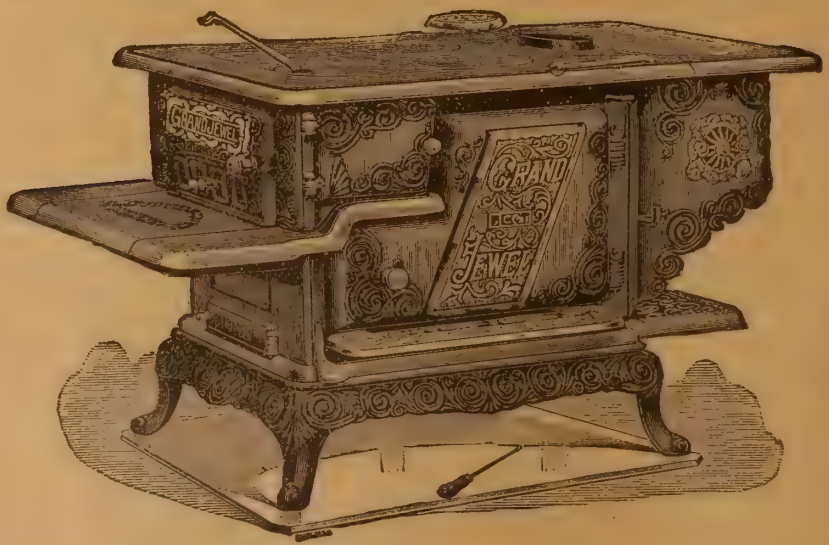
of these

GRAND JEWELS

have now been sold, and sales are . . .

Rapidly Increasing.

THIS LINE of stoves commands a liberal profit for all dealers.



This stove has more good selling points than any other stove on the market.

It is fitted with sheet steel oven, which is so braced that it is impossible for it to warp or crack.

ASK FOR DESCRIPT' CIRCULARS.

Sole Manufacturers,

THE BURROW, STEWART & MILNE COMPANY, Limited

HAMILTON, ONTARIO.

Engineers' and Machinists' Delight—Langwell's Babbitt. Montreal.

CANADIAN

HARDWARE AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XI. MONTREAL AND TORONTO, DECEMBER 2, 1899. NO. 48



Magnolia Metal

Best Anti-Friction Metal for all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up in bars, of which this is a

FAC-SIMILE.



The name and trade mark appear on each box and bar, and besides this, the words "Manufactured in United States" and "Patented June 3, 1890" are stamped on the under side of each bar.

Magnolia Metal is still selling at the same price it has always sold at—no advance.

MAGNOLIA METAL COMPANY

LONDON OFFICE—49 Queen Victoria St.
CHICAGO OFFICE—Fisher Building, 281 Dearborn Street.
CANADIAN OFFICE—524 Board of Trade Building, Montreal.

Owners and Sole Manufacturers,
266 and 267 West St., New York



The Galvanized Iron Leaders

"Queen's Head"—equalled by none.

"Fleur de Lis"—second only to "Queen's Head."

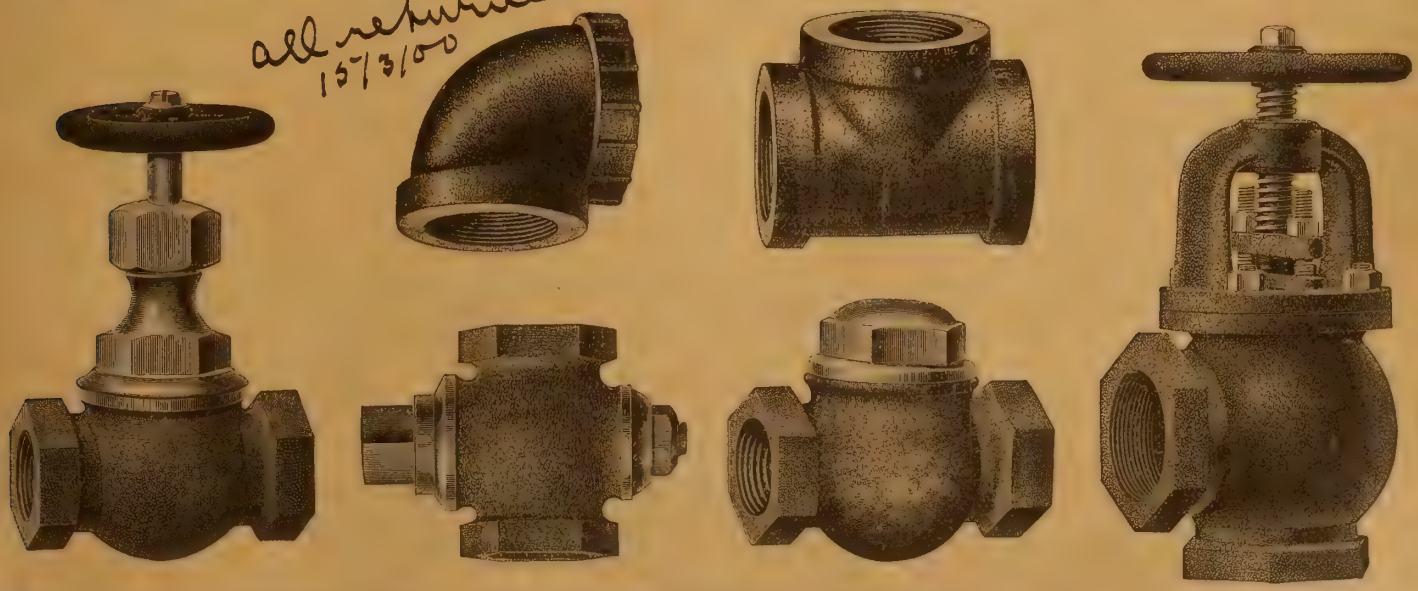
Both fully guaranteed. Place your orders early for Spring shipment.

JOHN LYSAGHT, Limited

BRISTOL, ENG. MONTREAL

STEAM AND WATER FITTINGS

all returned 15/3/00



We carry a complete line of Engineers' Supplies of every description, and can ship goods same day as we receive order. Write for new price list and discounts.

THE DOMINION RADIATOR COMPANY,

TORONTO, ONT. ...Limited

RICE LEWIS & SON

(LIMITED)

ARTHUR B. LEE, President. *A. BURDETT LEE, V. P. and Treas.*

FELT WEATHER STRIP

HARDWARE AND METAL

Cor. King and Victoria Streets ...TORONTO

SAVAGE REPEATING RIFLE

.303 CAL.



Hammerless
Smokeless
Six-Shooter

New 1899 Model

AGENTS:
Winnipeg, J. H. ASHDOWN
Toronto, RICE LEWIS & SON
Quebec, CAVERHILL, LEARMONT & CO.

LATEST and FINEST Rifle manufactured.

Write for complete Catalogue W.

SAVAGE ARMS CO., Utica, N.Y., U.S.A.

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HEINISCH SHEARS



ACKNOWLEDGED THE BEST.

Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.

R. HEINISCH'S SONS CO.

NEW YORK OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.

CANADA'S BEST SCALES

GURNEY

Accurate and Durable.

Quality considered, the cheapest scale on the market.



A complete stock of Scales carried in Montreal by our Agent, WALTER GROSE.

THE GURNEY SCALE CO.

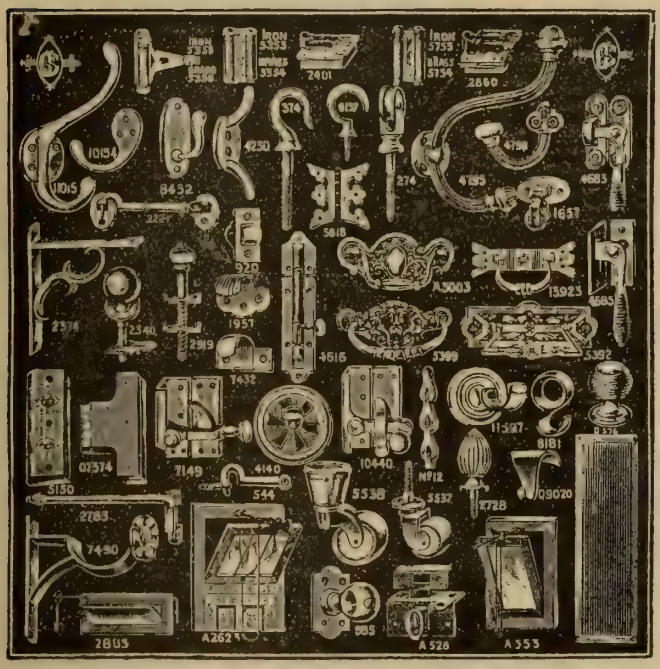
Hamilton, Ontario, Canada.

James Cartland & Son

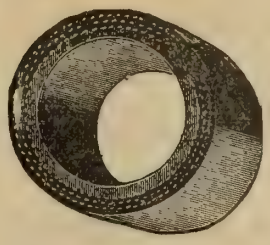
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CABINET, BUILDERS', FURNISHING AND NAVAL BRASSFOUNDRY

BIRMINGHAM, ENGLAND.



London Showrooms: 57 Holborn Viaduct, E.C.



Hose made with Seamless Tube.
No seam to open.

A GARDEN HOSE TALK.

The public demand Garden Hose that will stand high pressures suddenly applied, and exposure to all weathers.

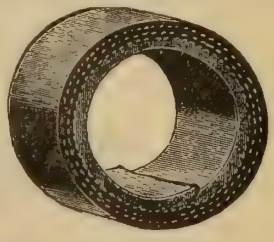
To satisfy these demands, strong duck well protected both inside and out is required.

Weights of duck differ with price of hose. The heavier the duck—all other things being equal—the stronger the hose. We aim to have our cheapest hose stand city pressure.

The inner tube of all qualities of our hose is made by our **PATENT SEAMLESS PROCESS.** With a seamless tube, drawn as is lead pipe, the entire inner circumference is equally strong. There is not a seam for the water to find its way through and thus reach the duck, and eventually cause a leak or leaks.

The cover of our Garden Hose is made to withstand the action of sun, wind, and water

Our **PATENT SEAMLESS TUBE GARDEN HOSE** is strong and will withstand the action of water from within and weather from without, therefore it is reliable, and it will pay you to handle it. **No returns, No unpleasantness with customers.**

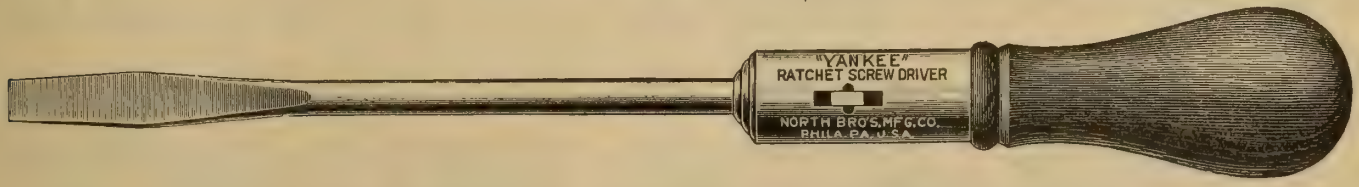


Hose with lapped or butted seam.
Liable to open where joined.

THE CANADIAN RUBBER CO.

MONTREAL. TORONTO. WINNIPEG.

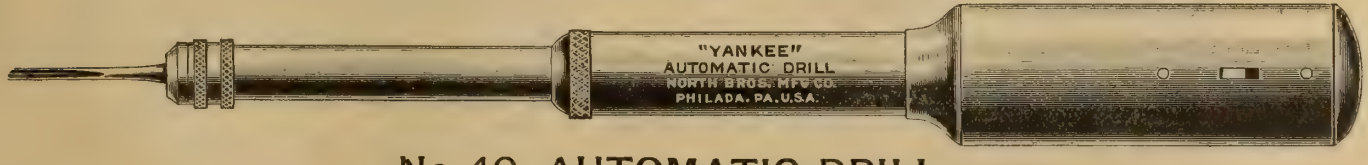
"YANKEE" TOOLS are sold by Leading Jobbers throughout the Dominion.



No. 10 RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10. 12 inch,



No. 30 SPIRAL-RATCHET SCREW DRIVER.



No 40 AUTOMATIC DRILL.

FREE A handsome lithographed and embossed Sign in colors, on tin, to dealers handling these tools. Separate sign for each tool. Write at once which sign is wanted and it will be mailed post paid.

SEND FOR "YANKEE" TOOL BOOK.

North Bros. Mfg. Co.

Philadelphia, Pa., U.S.A.

- - AS THE NAME DENOTES - -

The OXFORD TRIPLE HEATER

for Wood only, has more than ordinary power.

It has collars for **2 HOT-AIR PIPES**, in addition to the smoke pipe, and will heat an entire house, doing the work of a furnace.

Its Tubular Spaces right over the fire, through which the cold air is drawn, heated and distributed, furnish complete circulation.

TRIPLE HEATERS ARE HANDSOME, DURABLE AND MOST DESIRABLE.

OUR GLOBE HEATERS—for any kind of coal and

OXFORD AIR BLAST—for either coal or wood, are two other favorite lines for smaller needs.

There's big business in these seasonable stoves.

Write us. We can fill all orders promptly.



THE GURNEY FOUNDRY CO., Limited, TORONTO.

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WINNIPEG AGENTS: 155 and 157 Lombard St. **VANCOUVER AGENT: C. A. GODSON, 151 Hastings St.**

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"FIRMUS" Transmission Rope from the finest quality Manila hemp obtainable. Orders will not be accepted for second quality or "mixed" goods.

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Syracuse Babbitt beats them all.

The largest machinery builders in Canada and United States use our Babbitt Metal.

Is this not sufficient proof of its superiority over other anti-friction metals.

If the largest users are satisfied with our Babbitt Metals, why should it not suit you?

We can furnish you with numbers of testimonials.

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Hardwood CHARCOAL in Bulk or Sacks.
WOOD ALCOHOL equalling Methylated Spirits as a solvent.

Manufactured only by ...
THE STANDARD CHEMICAL CO., Limited
Factories { Fenelon Falls. Deseronto.
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Galvanized Sheets . .

"Gordon Crown" and "Apollo."

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SEYBOLD, SON & CO.,

Established 30 years.

Carrying a complete assortment of HARDWARE, from a Needle to an Anchor.

COW TIES

Greening's Patent

We make the following :

Open Ring, six sizes.
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Greening's Special Tie with Stall Fixtures, five sizes.

Our ties have stood the test for years and are undoubtedly the best in the market. Send for new price list. For sale by all jobbers.

The B. GREENING WIRE CO., Limited

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DAVID MAXWELL & SONS

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Steel Frame.

"MAXWELL FAVORITE CHURN"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive.

LAWN MOWERS.

High and Low Wheels, from 12-in. to 20-in. widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate

WHEELBARROWS.

In Four different sizes.

If your Wholesale House does not offer you these articles

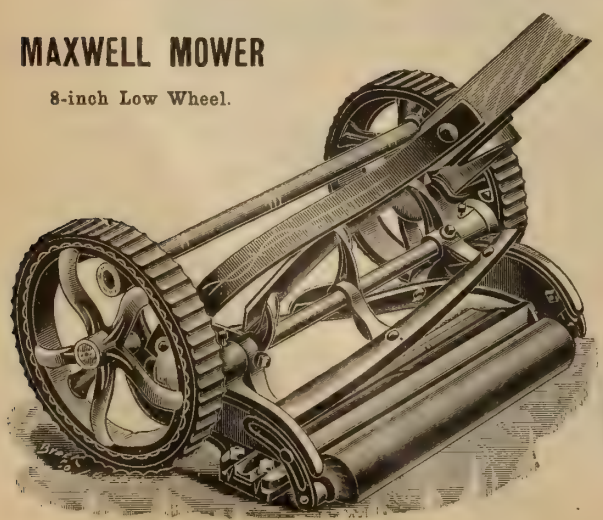
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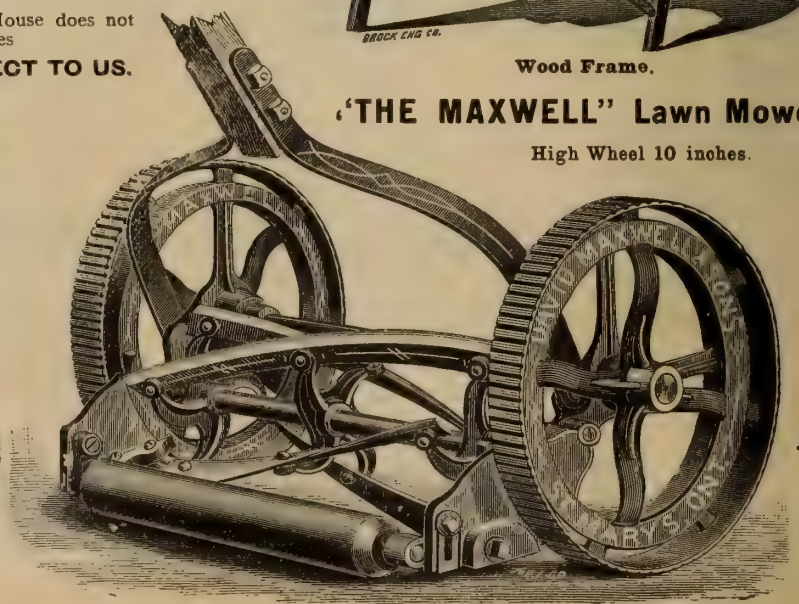
MAXWELL MOWER

8-inch Low Wheel.



"THE MAXWELL" Lawn Mower

High Wheel 10 inches.



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ELEY'S LOADED SHELLS

In 10 and 12 Gauges, loaded with either Smokeless or Black Powder.

PRICES LOW. BEST VALUE ON THE MARKET.

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WINNIPEG, CANADA.

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possess a peculiar toughness adapting them for the HARDWARE TRADE.

The long fibre we make them of is responsible for this.

SEND FOR A SAMPLE ORDER

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Hull, Montreal, Toronto, Quebec, Hamilton, Kingston, St. John, Halifax, Winnipeg, Victoria, Vancouver, St. John's, Nfld.

Standard Steel Toe Calks

Sizes of Blunt:





WRITE FOR DISCOUNTS.





Sizes of Sharp Calks below for Fall of 1899:

NO.	LENGTH.	SIZE.
0	1½ inch	3/8 x 5/16
1	1½ "	1/2 x 5/16
2	1¾ "	9/16 x 3/8
3	2 "	5/8 x 3/8
4	2¼ inch	3/4 x 3/8
5	2½ "	3/4 x 3/8
6	2¾ "	7/8 x 7/16
7	3 "	7/8 x 7/16

Price, $1.25 per box of 25 lbs. in bulk.
Or 24 lbs. in 4-lb. packages.

NO.	LENGTH.	SIZE.
0	1½ inch	9/16 x 3/8
1	1¾ "	9/16 x 3/8
2	2 "	11/16 x 7/16
3	2¼ "	3/4 x 1/2
4	2½ inch	3/4 x 1/2
5	2¾ "	15/16 x 9/16
6	3 "	15/16 x 9/16

Price, $1.50 per box of 25 lbs. in bulk.
Or 24 lbs. in 4-lb. packages.

JAMES PENDER & CO., Limited, Sole Mfrs. **Saint John, N. B., Canada.**



EMERY

Cloth and Paper.
Glass and Flint Paper.
"Atlas" Brand

"FLORA" Knife Polish, in 3d., 6d. and 1/ tins

Ground, Washed and Flour.

WHEELS of highest quality for general and special purposes.



Write for Latest Catalogues and Samples to

THE LONDON EMERY WORKS CO., 10-12 Vine Street Clerkenwell, **LONDON, E.C.**

EMERY GRINDING MACHINERY

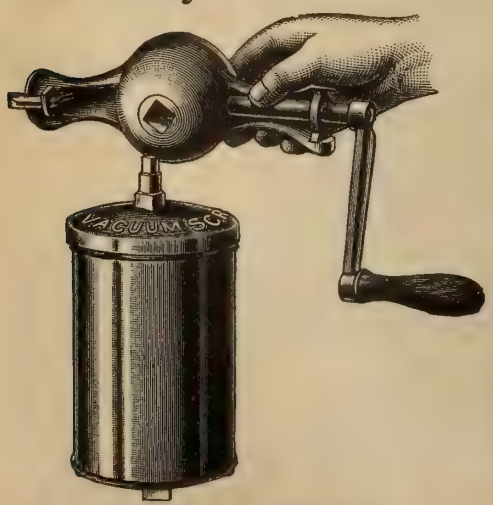
Agent in Canada—MR. T. L. PATON, 30 St. Francois Xavier Street, Montreal, P. O. Box 903.

Dealers Doubled their Dollars

by adopting the proposition we made them last year. We approached them then with what we *thought* would win out. **This Year** we ask you to take advantage of what *has proved* itself a winner. We have letters from dealers saying it increased their freezer business last year 200 per cent. With the first order for 1 dozen Peerless Iceland Freezers we advertise them so as to send freezer customers to your store—they will buy other goods as well as freezers. Write us. The particulars will interest you.

Peerless Iceland Freezers

Sell Easily. **Ice Cream in 3 Minutes.** **Satisfy Perfectly.**



(We have a record of one minute and forty-five seconds, but above allowance is for inexperienced people).

No complicated machinery to get out of order.

Gearing enclosed both top and bottom.

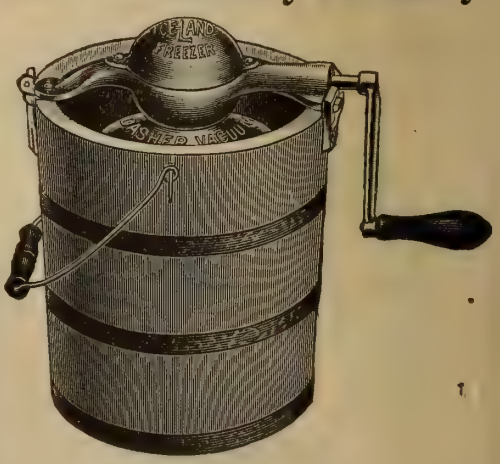
No cogs on can top to catch ice and salt.

Metal parts all coated with pure block tin.

The Freezing Freezer.

W. G. Putman had a big crowd all day yesterday, watching the man making ice cream in two and a half minutes. This was done with the Peerless Iceland Freezer, and the callers at the store were served with the cream during the day. The freezer is substantially built and is the best on the market. Just to show what it could do one batch of cream was frozen in one and three quarter minutes. It is absolutely salt water proof.—*Peoria Herald.*

all and one gus the was linc bas on Ic as a had



DANA & CO., Cincinnati, O., U. S. A.
Department "R."



The Peerless Ice Chipper Made from one solid piece of steel heavily coated with tin. Chips ice properly and rapidly. Best tool made for the purpose. Saves time and ice.

UNION HOCKEY SKATES

These goods will be found to be beautiful in design, finish and workmanship. The points of excellence are: **STRENGTH,** which is guaranteed. **WEIGHT,** which is light. **PROPER LINES** to fit sole of boot. **CORRECT EDGE** of blade, which insures power and speed. **HEIGHT and HANG** for ease of stroke and cutting corners.



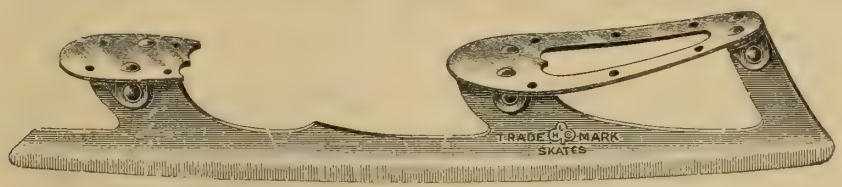
Plain Runner, Straight. Also Puck Stopper.



Flanged Runner. Also Puck Stopper.

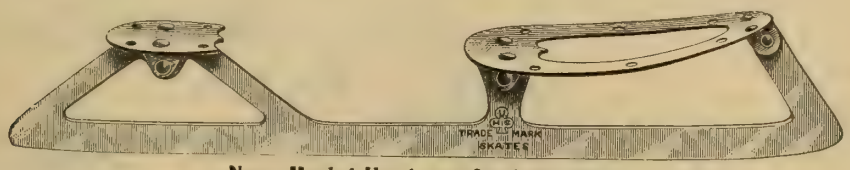
DOMINION MFG. & SKATE CO.

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40 Nazareth Street.



Flanged Runner, Curved or Rocker Blade, for Ladies.

THESE PATTERNS MADE IN ALL VARIETIES OF FINISH AND QUALITY



New Model Hockey, Arched Heel.

THE LARGEST AND MOST COMPLETE LINE ON THE MARKET



New Model Waltzing, for Men and Women.

Made in Canada.

UNION HARDWARE CO.

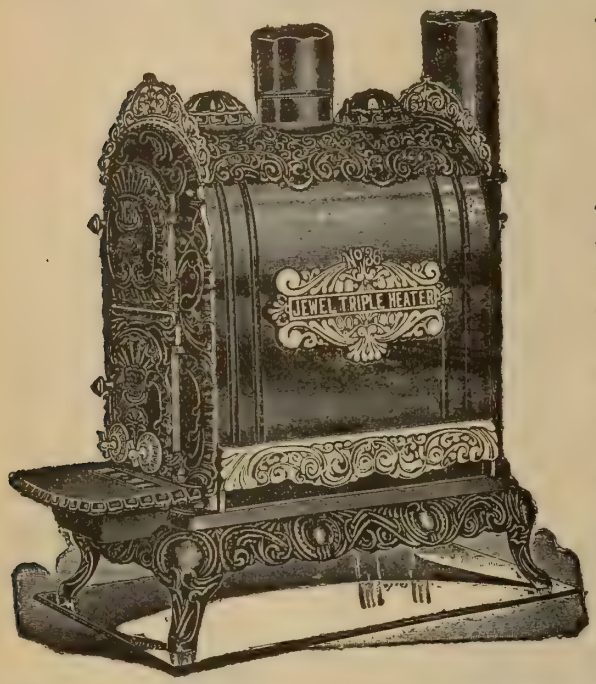
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The "Jewel" Triple Heater

is the most powerful and artistic stove of its class yet manufactured.

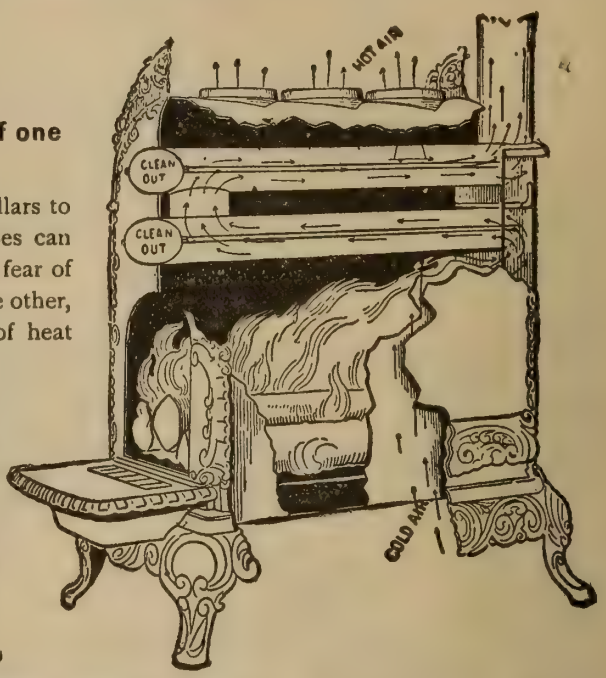


THREE HEATERS

for the price of one

Three warm air collars to which three tin pipes can be attached without fear of one pipe robbing the other, as there is plenty of heat for all.

This stove is the most economical yet devised, and the dampers **are absolutely air-tight.** Write for quotations to the sole makers.



The BURROW, STEWART & MILNE COMPANY, Limited, Hamilton, Ont.

The Round Reacting Washer.

A STRICTLY FIRST-CLASS MACHINE AT A REASONABLE PRICE.

Most Efficient

A Quick Seller



No other machine so easily operated.

Closed in—keeping suds hot and preventing escape of vapor into the room.

We commend these machines to the trade.

SEND FOR PRICES AND CIRCULARS.

The Dowswell Mfg. Co., Limited, Hamilton, Ont.

"Pearl," "Diamond," "Granite Steel," and White Enameled Wares.



If this should chance to reach the eye of a merchant who does not handle any of these brands, we would like to take him aside and tell him confidentially that he can increase his trade by doing so.

That's what our customers are doing every day.

Every piece guaranteed.

How is your stock of Cereal Cookers?

KEMP MANUFACTURING CO.,

TORONTO, CANADA.

HARDWARE AND METAL

Vol. XI. MONTREAL AND TORONTO, DECEMBER 2, 1899. No. 48

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JOHN BAYNE MacLEAN,
Montreal.

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TRADE WITH THE STATES AND BRITAIN.

A STUDY of the figures in some recent returns sent out by the United States Treasury can hardly be interesting reading to United States exporters.

The figures in question tend to bear out the assertions that British manufacturers and exporters are making gains in their attempts to recapture the Canadian markets.

The latest official statement from Great Britain shows that the exports to Canada in the three months of 1899 ending with September were £5,004,850, against £4,498,181 in the same period in 1898, and £3,875,335 in 1897.

On the other hand, the United States exports to Canada show a total in the nine months ending September of $63,026,224, against $68,932,654 for the same time in 1898.

To the iron trade, however, it is interesting to know that the American losses have been chiefly in breadstuffs and provisions, and it is just as likely as not that a great deal of the loss is not due to a falling off in the actual exports, but is simply a diversion of merchandise sent through Canada in transit to Europe from the St. Lawrence route to United States ports.

Canadian imports of steel rails have, according to the figures in question, fallen from $1,483,388 in the nine months of 1898 to $1,122,481 in 1899; oil cake, from $51,022 to $30,644; cotton cloths, from $777,784 to $479,472; cycles, from $553,511 to $510,300; clocks and watches, from $314,509 to $286,932, and furniture, from $344,371 to $298,918; while agricultural implements have increased from $1,058,078 to $1,625,612; cars and carriages, from $128,153 to $563,379; sewing machines, from $113,515 to $143,057; boots and shoes, from $249,141 to $357,552; manufactures of tobacco, from $43,960 to $77,982; unmanufactured tobacco, from $721,325 to $1,077,422; sugar, from $3,644 to $187,508, while there are increases in numerous other articles.

If there is any branch of trade which demands intelligence it is the hardware trade. And there is no branch of trade in the country which has more intelligent men engaged in it.

INGOT TIN BEARISH.

THE fluctuation in the price of tin during the month of November has certainly been violent enough to suit the most rabid speculators, for it has been a case of up and down almost since the month opened.

At one time last week, the market looked as though it had turned upward, values advancing to £129 5s., but the advance simply led to the offer of enormous quantities of tin in London, and prices promptly fell off, until they now stand at £125 15s., against £139 7s, 6d., at which they opened the month. They have still a long way to fall, though, before they touch the low figure of the year, which was £88 5s., but are now almost £25 below the top price, which was £150 7s. 6d. That such a period of violent fluctuation is bound to be followed by a period of decided movement one way or the other seems likely, and leading authorities incline to a continuation of the decline.

It is asserted in support of this contention, that supplies of tin will again exceed the requirements of consumption, and that the reserve stock will from now on gradually but surely increase.

W. J. Russell & Co.'s circular states that the market during the next year will have to take, in addition to the usual quantity, about 2,000 tons of Banca and Billiton, and that the best advices from the Straits Settlements indicate an increase of at least 2,000 to 3,000 tons from that source. Reports also assert that the Chinese have been holding back supplies, though, of course, the extent of their accumulations is unknown. If they exist, however, they form an additional bear factor in the situation.

BUSINESS MEN AND PARTY GOVERNMENT.

DISSATISFACTION with the party system of government is becoming more and more pronounced in this country. And the dissatisfaction is not without cause.

We put A out of office because it has been an unprofitable servant. But, ere long, we discover that B is little, if anything, better than A. Both are influenced by the professional politician with a "pull" instead of by sound business principles. It is a fatal influence, but the spell of it neither party when in office, appears to possess the power to resist.

Although government by party has been with us so long that we have got to think that it will be with us forever, we cannot after all claim for it immutability. We may not perhaps see in futurity anything that is going to replace it. But it does not follow that there will be no change.

Everyone who wishes to see good government must certainly hope that the party system with its recrimmations, its factious opposition, and its perverseness, blocking desirable legislation, will ultimately give place to something that is better—something that is more businesslike.

But, while the system of government by party is not immutable, it is not likely that this generation at least will see it take its departure. It will certainly be with us for a good many years to come. Because that is so, however, it does not follow that we should sit down and await the dawn of the political millennium.

When a man has a piece of machinery which has seen its best days and is no longer effective, he does not discard it until he can replace it with one which is better.

The party system of government is undoubtedly defective, and, while we may fix it up a little to-day by changing the party in power, we know from experience that by to-morrow night a number of screws will be loose again. But we yet see no chance of finally discarding it. In the meantime, it is our duty to keep on "fixing," until at last we shall have learned how to make a brand new system of government machinery.

If we are passive in regard to the matter we certainly cannot expect to improve the old or create that which is new. Reform is only secured by aggressiveness.

As we have said time and again before, there is no class more concerned in good government than the business men of the country, and it is upon them that the duty of leading in this movement falls.

Good government is dependent upon the independent factors that compose the commonwealth. By independent factors we do not mean men without any party affinity whatever. We mean men who, while they may lean to this or that party, are not so firmly wedded to it as to follow it through bad as well as through good report.

And, after all, is it not only by being true to principles, rather than subservient to party, that we can hope to secure better government for to-day and a better system for to-morrow?

A CALL FOR ORGANIZATION.

IN another part of this issue is printed a letter from Mr. M. G. DeWolfe, President of the Maritime Board of Trade, which every reader of HARDWARE AND METAL should peruse.

The tenor of the letter is a call for the organization of boards of trade, not only in the Maritime Provinces, but in other parts of the Dominion as well.

The call is a timely one, for never in the history of the country was there greater need for the formation of business men's organizations, call them boards of trade or whatever you like.

If the municipalities, the Provinces and the Dominion are to be efficiently administered they must be administered in a businesslike way. And who are there like business men who can see that this is done? None.

Until the business men do organize they will be as it were a mob, and a mob can accomplish nothing.

The Maritime Board of Trade is doing good work. There is no doubt about it, as everyone who has attended an annual convention of that body must be persuaded. But, while in the six years that that organization has been in existence a great deal of progress has been made, yet, there are still towns in the Maritime Provinces which are not represented in the organization. The officers of the board are energetically setting themselves to the task of bringing these in. And they are, as evidenced by Mr. De Wolfe's letter, also anxious for the business men throughout Canada to organize themselves into boards of trade.

Whatever HARDWARE AND METAL can do in assisting the Maritime Board of Trade in the good work on which it is embarked will be most cheerfully done.

ADVANCE IN PAPER BAGS.

HARDWARE AND METAL last week intimated that an advance was probable in the price of paper bags. These expectations have been realized, the various manufacturers in the country having agreed upon a uniform list of prices.

The new discounts on paper bags when sold, shipped or delivered at one time to one buyer are as follows:

	Per Cent.
1,000,000 and over	40
500,000 and under 1,000,000	35 and 5
150,000 and under 500,000	35
50,000 and under 150,000	33⅓
20,000 and under 50,000	30
Under 20,000	27½

On all sacks a special discount of 5 per cent. may be allowed on lots of 10,000 and upwards when sold, shipped or delivered at one time to one buyer. Terms are 3 months or 3 per cent. cash discount if paid within 30 days.

Deliveries f.o.b. the following points: City of Quebec, Montreal, Hull, Que., Ottawa, Toronto, St. Catharines, Merriton. Freights may be equalized on any of these points.

The advance in price is considerable, for the highest discount allowed heretofore was 60 per cent., while, it will be observed, the maximum is 40 per cent. But, of course, it must be remembered the profits in the paper bag trade have been most unsatisfactory for some time, owing to competition.

BRISK LUMBER OPERATIONS.

The demand for provisions of all kinds from the lumber camps has been exceedingly good this season. Renewed activity is now reported from the big camps in the north as a result of the judgment against the Michigan lumbermen. It is realized now that the greatest possible cut that can be made this season will be insufficient to meet the demands for lumber next year. Men are still scarce and operations continue to be limited below the requirements of the big sawmillers.

WIRE IN CANADA AND THE UNITED STATES.

THE price at which barbed wire and plain galvanized wire of United States make is sold to the trade in Canada and that which dealers in the home market are compelled to pay is materially different.

Retail dealers in the United States pay $3.70 f.o.b. Cleveland for carlots for barbed wire and $3.80 for less than carlots, while the figure quoted to the retail trade in Canada is $3.25 f.o.b. Cleveland for carlots and $3.35 for less quantities. Even small lots from jobbers' stocks are quoted in Canada at 10c. per 100 lb. less than the carlot price f.o.b. Cleveland is quoted to the dealer south of the border.

Plain wire is quoted to the Canadian dealer $11 per ton lower than to the home dealer.

The explanation of these differences in prices is that, in the home market on account of the high Customs tariff, the United States manufacturer has a monopoly, while, in catering for the Canadian trade, he has to bring his prices down to a point that will keep out the product of British and German manufacturers. Of course, there is now practically no barbed wire made in Canada, the placing of this article on the free list having led to the closing down of the Canadian factories.

QUOTATIONS ON PIG IRON.

The reduction which has been made in our quotations on wrought iron pipe is not the result of any weakness in the market. It is altogether due to a desire on the part of the trade to put quotations on a uniform basis. The manufacturers' prices are unchanged.

HALIFAX ILLUSTRATED.

The people who live in the large cities down by the Atlantic, are by no means asleep these days in bringing to the attention of the world the facilities of their respective seaports.

We are reminded of this by a special supplement of The Industrial Advocate, which is devoted entirely to describing and illustrating the port of Halifax, N.S., and the leading industries of the city.

The front cover, giving a birdseye view of Halifax is an exceedingly striking piece of work. In fact, the whole number is handsome and most creditable to the publishers.

Those who have not yet had the privilege of visiting the capital of Nova Scotia, can obtain an excellent idea of its extent and importance from a perusal of this special supplement of The Industrial Advocate.

CANADA AT THE NATIONAL HARDWARE ASSOCIATION.

MR. T. H. NEWMAN, of Caverhill, Learmont & Co., Montreal, and president of The Canadian Wholesale Hardware Association, who was present at the annual meeting of The National Hardware Association of the United States, held on November 15, 16 and 17, in Pittsburg, Pa., was called upon for a few remarks, and spoke as follows :

"I have to tender my sincere thanks for the very cordial reception you have given me, as president of the Canadian Wholesale Hardware Association.

"Our association was formed on January 10 of this year. For some time past it was felt by the leading houses of Canada that some decisive steps should be taken to bring the jobbers together for two purposes : To promote good-will towards each other, and to draw closer the jobber and the manufacturer.

"A great many of the manufacturers of Canada were selling direct to the retail trade, at the same time selling the jobber, the margin of profit to the latter being altogether too small.

"Our constitution and by-laws are substantially the same as yours ; in fact, I can safely assert that we could not in any way improve your by-laws, although we wrestled with the subject for one whole day.

"I take this opportunity of tendering my sincere thanks to Mr. Fernley, your estimable secretary, for the assistance he gave us. We have now been in existence for 10 months, and have already in that short space of time accomplished much. We have secured better margins in many lines of goods, which previously were almost invariably handled without any profit. We have still much to accomplish, and we look forward with great confidence to the future, as far as the hardware trade is concerned. We have not so much endeavored to govern our own selling prices, but to clearly and definitely present our position to the leading manufacturers, and almost without exception have been met in a fair and equitable manner. I know that it is often a common and frequent assertion that the jobbers' day is over, but I do not for one moment believe the statement. The jobber is necessary to the manufacturer. Especially is this the case in a young country like the Dominion of Canada, where we spread over such a vast territory, stretching from the Atlantic in the East to the Pacific in the West, and where the cost of distributing goods is so expensive. Our entire population is about 5,500,000, smaller than the population of the State of New York.

"One object that we have kept before us during the year is the absolute necessity of securing and maintaining a margin of profit for the jobber. This, I think, we are getting to understand, and receiving the hearty cooperation of the members of our association.

"But I must not prolong my remarks. I came here by invitation, and intend to listen and gain what I am sure will prove valuable information to our association.

"I again thank you for your kind invitation, and trust your deliberations will result in much good."

He who would hold on to the business he has must try and get that which he has not.

BRITISH VS. UNITED STATES GALVANIZED IRON.

A short time ago the sharp advances which galvanized iron of United States make experienced practically gave the trade to the British manufacturer.

But, of late, British galvanized iron has appreciated in value more rapidly than the American article, with the result that there has been a marked improvement in the sale of the latter, until to-day the demand is fairly well equalized between the two respective irons.

The demand for galvanized iron has improved during the past week, although it is not yet as brisk as it was a short time ago.

SOME IDEAS AND IMPRESSIONS.

Gathered During a Holiday Trip to New York.

IDEAS are to be gathered and impressions received every moment of the day, whether we are at home or abroad. But the farther we go from home the larger is the crop of both which it is possible to reap. And the wider we keep our ears and eyes open—and the closer our mouths shut, I fancy I hear someone say—the greater will be the impressions we shall receive and the more numerous will be the ideas we shall gather. I have recently returned from a holiday trip to New York, and the thought has occurred to me that perhaps some at least of the readers of HARDWARE AND METAL would not be altogether uninterested if I were to unravel a few of the impressions and ideas gathered in Greater New York, as the second city in the world is now called.

I will strive real hard not to venture any opinions. I have a wholesome dread of giving opinions, especially upon such matters as these, after having, some years ago, listened to that famous French humorist with an Irish nom de plume, Max O'Rell, dilate upon the poor taste of a brief sojourner in a strange land venturing opinions regarding said strange land. In order that I may not stray from the path of "impression" into that of "opinion," I have turned up the dictionary, and there find that "impression" is "an effect produced upon the organ of sense by an external object." "Opinion," on the other hand, is "a conclusion or judgment held with confidence, but falling short of positive knowledge." Should I, peradventure, stray from the path of "impression," try and think it is more the fault of the head than of the heart.

I have often been told that New York is a "great city." I never thought of asking in what particular was meant. But my impression of New York is that it is great in almost every way you choose to take it; great in area and great in air-ward tendency (vide sky scrapers); great in badness and great in goodness; great in municipal corruption and great in municipal good government; great in saloons and great in churches; great in bad men and great in good men; great in fakes and great in sound business methods; great in foreign population and great in native population.

Were anyone to ask me which abounded most in New York, goodness or badness (and when I say goodness or badness I do not mean moral goodness alone. I mean that in part; but also good government, good business methods, etc., as far as I could see), I would unhestatingly give the verdict in favor of goodness. Remember, of course, that that is my impression. I confess I did not grovel in the slime in a particular effort to find the worst features of the city. My impressions were obtained by, in many instances, a superficial observation. But that is how my impressions of other large cities have been obtained, and therefore it is only fair that I should form my impressions of New York from the same point of view. It may be that I have been influenced in returning a verdict on my impressions by the fact that my realizations of New York were a great deal better than my anticipations.

But, while the general appearance of the city, with its well-paved and well-cleaned streets, its numerous and well-kept parks, its massive, substantial, and, in many instances, handsome buildings, impressed me a great deal, yet, I do not think anything impressed me so much as its commercial importance. In commercial importance New York is truly great. I am perfectly aware that Chicago looks upon New York as being somewhat slow commercially. New York, when compared with Chicago, may be slow. But whether it is or not, it has the trade. And then, it is not always the machine which is making the most noise or that is revolving the fastest that is doing the most work. The number and extent of the business houses, the traffic on the railways, the congested vehicular traffic on the streets, the ocean leviathans, like the Oceanic, unloading and loading at the piers, the perpetual hustle of the tooting tugs in the harbor with their tows of canal and railway barges, all impresses one that he is unquestionably within the commercial hub of the continent.

There is one business section of the great city which I shall never forget whatever else I may forget. And it was not because of ts vastness, although it was vast enough. It was because of its uniqueness. I have reference to what is commonly termed the Polish Hebrew district. Along the edge of the sidewalks, on both sides of this street, up that street and down another, were ranged push-carts built after the manner of those we see trundled over Toronto's streets by Italian fruit pedlars. Each cart was almost in close touch with the other. And on these carts, what a conglomeration of merchandise! Here a wagon devoted to dry goods. And such dry goods! Strips of silk, pieces of cotton, ends of woollen goods and goodness knows what not, all piled together like the rag heap in a factory, from whence to me it certainly seemed to have come. Next to a push-cart of dry goods would probably be a push-cart with ill-smelling and ill-looking fish. Then another with odds and ends of china or hardware. Push-carts with big, brown loaves of bread there were galore, and push-carts with vegetables and push-carts with everything under the sun there were by the score, while men who evidently possessed no vehicles paraded up and down the streets in the district with their merchandise over arm or shoulder or around neck rying to find customers. Although it appeared to me as if every Polish Hebrew in the district was in business for himself, every one of them seemed to have numerous customers. And these customers, with numerous dirty off-spring trailing after them crowded the sidewalks to suffocation. I shuddered as I wormed my way in and out among them. But it was not from any fear of bodily injury. It was fear of something which I more than suspected these people carried on their uncleanly persons.

From such people as these in Canada, good Lord deliver us! They are the most loathsome-looking and the most unintelligent-looking specimens of humanity I ever set eyes upon. The residents of the Chinese and Italian districts were infinitely superior to them.

"The Polish Hebrew district is a foul and a sore spot in New York," sighed the managing editor of a New York daily as we conversed one day. "What to do with it and the population that is crowded within it is a problem I do not know how we are going to solve."

"My God, man, what can you expect!" remarked another man who is something of a social reformer. "Look at the lives they were compelled to lead in Europe, and now look at the way in which they are hived in New York. No wonder they are such miserable-looking creatures."

And what else can you expect? The trail of the oppressor is over them all.

W. L. E.

(To be continued.)

WIRE NAILS
TACKS
WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

THE CURRY BROS. & BENT CO., contractors, Ridgetown, N.S., have suspended. Mechanics' liens against the estate amount to $785.

G. W. Murray, planing mill, Winnipeg, is offering to compromise.

J. B. Boisvert, general merchant, Ste. Gertrude, Que., has assigned.

Louis Robitaille, general merchant, etc., Anverque, Que., has assigned.

Tinning & Gilroy, general merchants, Regina, N.W.T., have assigned to S. A. D. Bertrand, Winnipeg.

A meeting of the creditors of A. A. Black, general merchant, Walkerton, Ont., is to be held to-day (Friday).

Henry F. Smith, general merchant, Upper Haynesville, N. B., has assigned, with liabilities about $2,000.

Alex. Blair, and E. Lacombe & Co., general merchants, Chicoutimi, Que., have assigned, and meetings of their creditors has been called to appoint curators. V. E. Paradis is provisional guardian of both firms.

PARTNERSHIPS FORMED AND DISSOLVED.

Dufresne & Pratt have registered partnership as hardware dealers in Montreal.

Buzzell, Nelson & Co., hardware dealers, etc., Cowansville, Que., have dissolved.

J. P. and H. T. Minhinnick have registered as general merchants in Churchbridge, N.W.T.

Skerritt & Vernon, bicycle dealers, Hamilton, Ont., have dissolved, Fred. H. Skerritt continuing.

Wm. Capstick, general merchant, Dorchester Station, Ont., has admitted J. H. Birch as partner.

Hicks & Hunt, general merchants, etc., Dorchester Station, Ont., have dissolved; J. W. Hunt continues.

Shaffner Bros., general merchants, etc., Lawrencetown, N.S., have dissolved, and partnership has been formed by Shaffner & Palfrey.

New partneship has been registered by John, George E. and J. H. Frauley, under the style of J. Frauley & Sons, general merchants, St, George, N.B.

Copartnership has been registered by Edward Conroy and Richard Conroy as general merchants at Wine Harbor, N.S., under the style of E. Conroy & Nephew.

SALES MADE AND PENDING.

Gourlay & Son, machinists, Essex, Ont., have been sold out by landlord.

The assets of Thomas Rooney, blacksmith, Fallowfield, Ont., are to be sold.

The stock of H. Robitaille, general merchant, Joliette, Que., has been sold at 70c. on the dollar.

The assets of M. A. Menard & Co., general merchants, Buckingham, Que., have been sold.

The stock of A. Bussiere, general merchant, St. Gregoire, Que., has been sold at 60½c. on the dollar.

The sheriff's sale of the Van Winkle Con. Hyd. Mining Co., Limited, Lytton, B. C., is advertised.

CHANGES.

J. J. Rutledge, general merchant, Rutledge, Que., is retiring from business.

Wm. Crawley, blacksmith, Yarmouth, N. S., has sold out to Murray Corning.

R. Harris, coal and wood dealer, Victoria, B. C., has sold out to F. H. Lindsay.

Tessier & Tessier have registered partnership as general merchants in St. Casimir, Que.

Wm. Elder, dealer in agricultural implements, Hensall, Ont., has removed to Barrie, Ont.

Campbell Bros., hardware dealers, Winnipeg, have been succeeded by Anderson & Thomas.

L. L. Barber, general merchant, Essex and Cayuga, Ont., has closed his Cayuga business.

Cyrus Stewart, general merchant, Mount Albion, Ont., has been succeeded by Hamilton Stewart.

Otto Wile, general merchant, North Brookfield, N.S., has registered consent for his wife, Bernice L. Wile, to do business in her own name.

FIRES.

Wm. Churchill, tinsmith, etc., Yarmouth, N. S., has been burned out.

Guilbault & Cote, hardware dealers, St. Boniface, Man., have been burned out; insured.

The stock of J. W. Nelles & Bro., commission dealers in saddlery hardware, etc., Montreal, has been damaged by fire and water; insured.

DEATHS.

George Howard, of G. Howard & Son, blacksmiths, Toronto, is dead.

A Paint That's Made

on the principle The Sherwin-Williams Company follow out, must be a good paint.

If the principle is carried out with the same scrupulous care, and with equally good men, machinery, and materials, no better paint can be made.

As a matter of fact, no other paint-maker follows the principle out in the way we do. We have the best methods and system; the largest factory and the leading paint experts in the world.

Our machinery is all specially designed and made by ourselves—such an equipment could not possibly be duplicated elsewhere.

Our materials are all thoroughly tested in our own laboratory, and only the best accepted. We also specially prepare every ingredient so as to get the best results. The oil of each color of S.-W.P. receives the special treatment best suited to it.

There's no better principle of paint-making than ours, and no method of carrying it out nearly so good. That's what makes S.-W.P. the best paint on the market.

THE SHERWIN-WILLIAMS CO.
PAINT AND VARNISH MAKERS.

Canadian Division:
21 St. Antoine St.,
Montreal.

CLEVELAND. BOSTON.
CHICAGO. TORONTO.
NEW YORK. SAN FRANCISCO.
MONTREAL. KANSAS CITY.

MASONS' CEMENTS AND PUTTIES.

Dissolve alum in water until the fluid will not dissolve any more, then mix with this sufficient plaster of paris to make a stiff dough and bake it; when baked hard and dry grind it to powder, and for use mix with water as wanted, and apply it like plaster. Various pigments may be mixed with it (while in the dry state, after baking and grinding) to make the cement imitate the color of any kind of marble it is required to cement or join. Joints made with this compound can be polished as smooth as glass, and thus the joint in the marble work may be rendered imperciptible. —Tradesman.

MARITIME BOARD OF TRADE.

Editor HARDWARE AND METAL,—From all parts we hear great praise of the able and complete report that appeared in HARDWARE AND METAL of August last, of the convention of the Maritime Board of Trade at the annual session in St. John, N.B.

No other journal in the Dominion had anything like it, and I trust this interest in the future work of the board will still be shared by HARDWARE AND METAL, and that the doings of all the boards in Canada may receive some attention.

It would be a strong drawing card if HARDWARE would become the organ of the various boards of trade. As it is now, there seems to be no system, and if it was not for the kindness of the local press one would hear very little regarding board of trade work.

The Maritime Board, as far as possible, is doing good work. A circular has been sent to all the local boards and strong efforts made to bring in the boards not yet affiliated, and also to induce towns having no boards to form such.

The day is not far distant when all towns in Canada that want to be rated as progressive and up-to-date will have to have a board of trade. A good sign of the times in the Provinces is that professional men are taking an interest in board of trade work, where formerly it was merchants only who became members. Now, we find lawyers, doctors, and even clergymen as members.

I inclose copy of circular, and shall be pleased if you will make some comments.

If trade journals will only keep the aims and benefits of boards of trade before their readers, I am sure it will be much easier to carry on the work and be the means of interesting those localities that, so far, have had no such organization. With such an immense number of readers as HARDWARE AND METAL has, and with the kindly interest expressed in the past, I would still ask HARDWARE to favor the aims of our board as far as possible. Our aims are not so narrow but we can embrace questions of vital interest to all Canada, and are ready to help and be helped.

M. G. DEWOLFE,
President Maritime Board of Trade.

Kentville, N.S., November 25, 1899.

The following is the circular to which Mr. De Wolfe refers :

DEAR SIR,—Entering upon the sixth year of its existence, the Maritime Board of Trade has won its way to general approval and become an acknowledged factor in the material progress of these Provinces by the sea.

While the promoters of the scheme of union of the various Maritime boards may honestly congratulate themselves upon the measure of success so far attending their efforts, the fact must not be forgotten that much still remains to be done.

Many important business centres are yet without an organized board, while scarcely half of the local boards already organized, though doing good work in their own location, are not yet affiliated with the larger organization, and thus stand in the way of their greater usefulness.

No community, nor individual in it, but is vitally interested in one or more of the half-dozen interests upon which we as a people depend. The farmer, fisherman, lumberman, miner, manufacturer and shipowner all stand to be benefited by united and intelligent efforts; whether these look to methods or Legislature enactments as relative to our home industries or foreign trade. Tourist travel and the encouragement of immigrants suitable for these Provinces are also subjects worthy of careful consideration.

Now can we not during this year?

I. Promote the formation of boards in towns where such an organization would be beneficial both locally and in the wider field.

II. Induce all the boards of the Maritime Provinces to come into line with the Maritime, i. e., affiliate and work.

III. So perfect our organization and so carefully arrange our work, both administrative and deliberative, that the best results may be obtained, ever remembering that we are working for the material advancement of the Maritime Provinces, while, at the same time we are to not forget the moral and uplifting tendencies which our efforts should have, our motto being "non sibi sed patriae."

In conclusion, let me ask you, at your earliest convenience :

1st. To report the name of the member appointed by your board as member of the council of the Maritime Board.

2nd. Report membership of your board and its state of efficiency.

3rd. Remit any arrears of per capita tax due the Maritime Board of Trade.

Yours respectfully,
G. E. CALKIN, Sec.-Treas.

GREAT MEN.

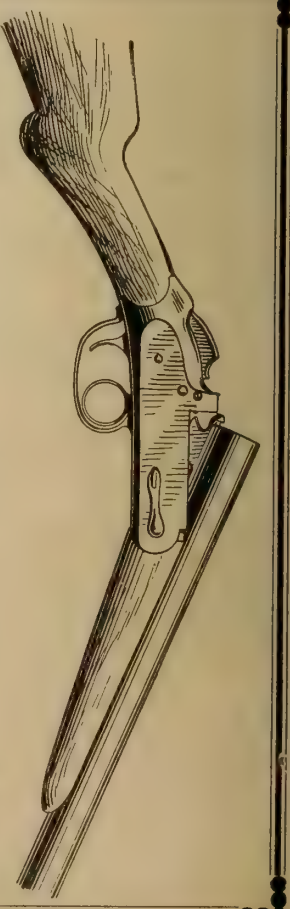
"So far as I have encountered them," said a citizen of the world, "a characteristic of great men is that they have time. They are not in a hurry ; their work don't boss them, but they boss their work. They don't act as if every minute you stayed was valuable time lost to them ; they don't fret and fidget. What time they do devote to you appears to be time that they can spare, and take things easy in and be comfortable. The work seems to be incidental, and it seems as though they could turn to it when the time came and get through it with ease ; and they always seem, besides, to have strength in reserve. It is a characteristic of the great man that he has time."—New York Sun.

Malvina Charrette has registered as proprietress of Gelinas & Co., general merchants, St. Barnabe, Que.

Get a Gun !

— AN —

IVER JOHNSON



For POLICE, HOUSE, or POCKET USE the

Iver Johnson Safety Automatic Revolvers

ARE UNEQUALLED.

Their Accidental Discharge is Impossible.
Write for Prices.

Iver Johnson's Arms & Cycle Works

BRANCHES—
NEW YORK—99 Chambers St.
BOSTON—408 Washington St.
WORCESTER—304 Main St.

FITCHBURG, MASS.

H. S. HOWLAND, SONS & CO.

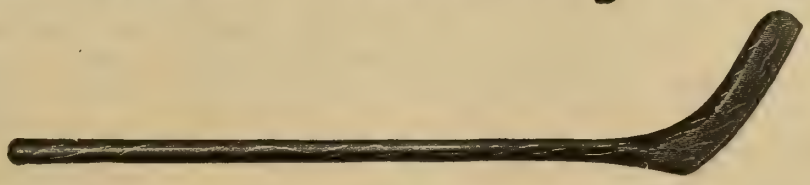
WHOLESALE ONLY

37-39 Front Street West, **Toronto.**

ONLY WHOLESALE

"Mic-Mac" Hockey Sticks.

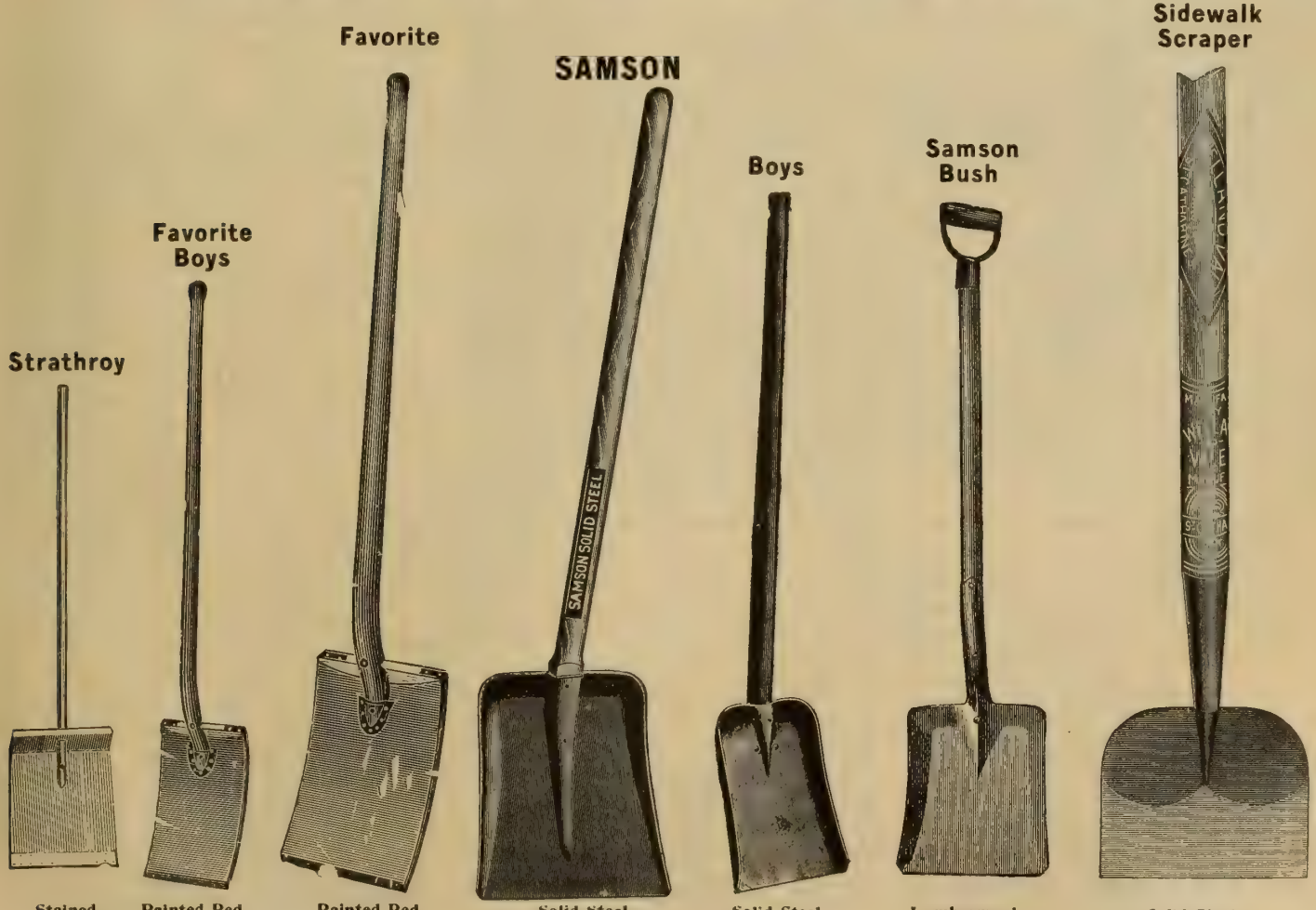
"Mic-Mac"
Natural-Grown Crook.



"Mic-Mac"
Natural-Grown Crook.

The " Mic-Mac " Sticks are superior to all others. They are not bent by artificial means, but are shaped when growing, therefore, they have a natural crook.

SNOW SHOVELS



Stained 12, 13, 14-in. Assorted	Painted Red 6, 7-in. Rival, Plain, 6-in.	Painted Red 12, 13, 14-in.	Solid Steel Snow or Stable 14 x 15, Jap.	Solid Steel 10 x 12½, Jap.	Lumberman's D Top. All Black.	Solid Steel 7½-in. wide.

H. S. HOWLAND, SONS & CO., TORONTO

OUR PRICES ARE RIGHT.

Graham Wire and Cut Nails are the Best.

ORDER AT ONCE.

A GROWING CONCERN.

IT is a question whether there is another country that offers the same possibilities for growth and progress to manufacturers who are energetic, skilful and progressive as are offered in Canada.

The development in metal manufacturing in recent years has been especially marked. In the manufacture of sheet metal working tools and machinery, one Hamilton firm has grown from its inception, nine years ago, so rapidly that it now needs a building 145 x 107 ft., and, in addition to sending goods all over Canada, exports them to foreign countries.

This firm, Brown, Boggs & Co., makes a specialty of the manufacture of sheet metal working tools and machines of all kinds, and complete outfits for tinsmiths, cornice-makers, canmakers, rangemakers, and sheet metal workers, as well as a variety of other tools and a line of power and foot presses. It also makes a specialty of blanking, drawing, stamping, forming and combination dies.

The commencement of the firm was a modest one, but, by dint of knowledge of the business and energy of the members of the firm, and of the high quality of the products which it has always striven to place in the market, it rapidly grew in importance, and its manufactures, which are now sold from the Atlantic to the Pacific, as well as in foreign countries, compete with advantage with those of the best European and United States manufacture.

In 1898, the operations of the firm acquired so much importance that it was necessary to build a more spacious place of business, and Brown, Boggs & Co. then built the machine shop which they now occupy, and which has been especially arranged for the needs of its business. Only first-class skilled men are employed, and the work is done under the direction of the partners, who are all practical men. New, up-to-date machinery has been installed in the new building.

The new building is 145 x 107 ft. and covers a floor of one acre. Among the numerous tools and machines which this firm make a specialty of may be mentioned brakes, pipe formers, rollers, folders, squaring shears, all manner of presses, dies, groovers, hammers, etc. An illustrated catalogue of its products can be obtained for the asking.



THE SCARCITY OF SCRAP.

HARDWARE AND METAL, last week, referred to the scarcity of scrap in Canada. A similar condition of affairs exists in the United States. American Manufacturer, referring to the matter, says :

"Owing to the increased manufacture of open-hearth steel, scrap steel is in such demand that it has risen in price and become so scarce that enough cannot be had to keep the open-hearth furnaces supplied. As the number of open-hearth furnaces is increasing, and plans are under way to build others, scrap material become more expensive.

"While the American inventors have been working to secure an increase in output of furnaces and mills, European inventors have been wrestling with economical problems, because of the higher cost of materials than is prevalent in the United States. They have been just as successful in their line as the inventors of this country have been in pushing their hobby. The latest result of European research is in the production of an open-hearth furnace attachment, whereby a minimum amount of scrap material need be used in the manufacture of open-hearth steel, and even pig iron may be dispensed with, and hot metal from a furnace may be run into the open-hearth furnace and refined by a hot-air blast method. This seems to be along the proper line of practice in removing impurities from iron and steel. Similar experiments are being made in the United States at some of the big plants, but we had to go to Europe to get our first ideas on the subject, just as we did to get the Bessemer process, byproduct coke, and our knowledge of gas, etc."

MINING ACTIVITY IN QUEBEC.

MR. J. OBALSKI, inspector of mines, was in Ottawa the other day. The Citizen, of that city, in reporting an interview with him, said :

"This official has just returned from his semi-annual inspection of the mica mines of the Gatineau district. The development of the mica industry at Wakefield, Templeton, and other points, the inspector states, is simply remarkable. The mica is in great demand in the American and European markets, especially for electrical purposes, hence the activity at the Quebec mines.

"Mr. Obalski states that copper mining in the vicinity of Sherbrooke is also attracting large capital, and the output of the mines is steadily increasing, amounting to over 35,000 tons last year. In the Eastern Townships the asbestos and chrome iron mining are also forging ahead, this particular iron ore being in great demand owing to the use it is put to for hardening steel and copper.

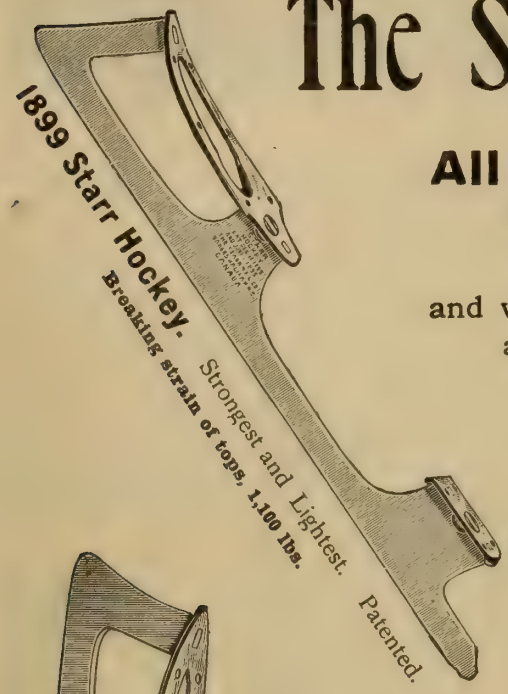
The output of the Quebec mines will, the inspector believes, have a value this year of over $1,800,000. Over 4,000 men are given employment in the mines, and the capital invested is growing yearly. Although not much Canadian capital is invested, English and American money is being expended, and, though but little is heard of the returns secured, they are always satisfactory. Quebec, Mr. Obalski says, stands fourth in the list of Canadian Provinces in mining matters, and as the capital invested is increasing and the machinery used modern in every respect, the Province is destined to go ahead as there is no question of the great extent of its mineral wealth. In the Eastern Townships, the inspector states, there are deposits of iron being worked that were developed in the early days of the French regime, this being probably the first iron mining done in America. The ore now, as then, appears inexhaustible and of high quality."

The Starr Guarantee

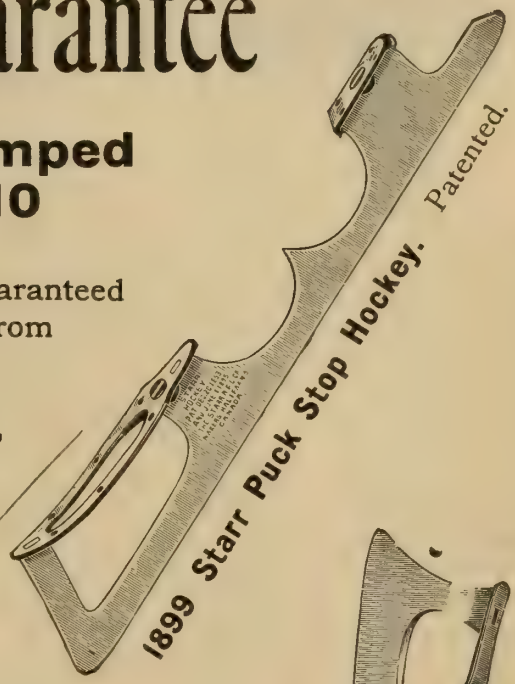
All Skates Stamped Nos. 7 and 10

and with our name, are guaranteed against BREAKAGE from

ANY CAUSE.



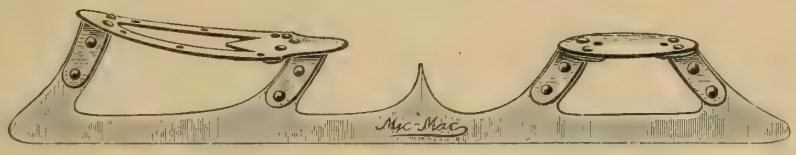
1899 Starr Hockey. Strongest and Lightest. Patented.
Breaking strain of tops, 1,100 lbs.



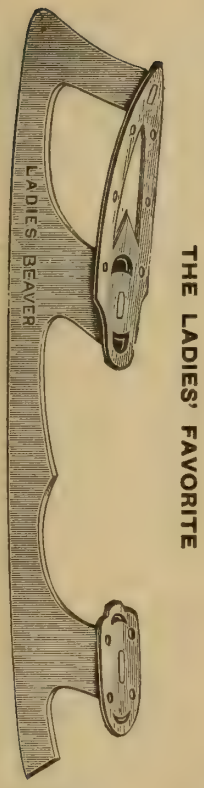
1899 Starr Puck Stop Hockey. Patented.

Wed 3/99

THE LATEST THING ON ICE

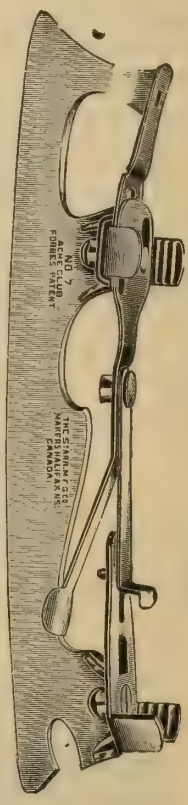


MIC-MAC. (Copyrighted.)
Double Bracketed, with re-enforced riveting.



Ladies' Beaver. (Copyrighted.)

THE LADIES' FAVORITE

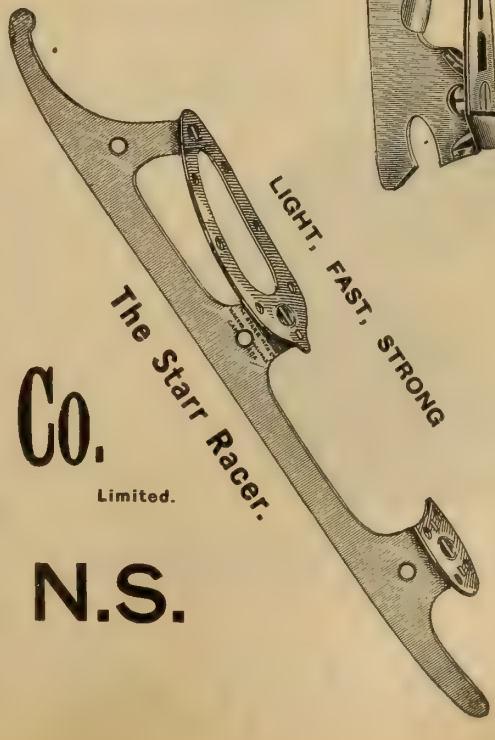


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THE STANDARD OF THE WORLD



HIGHLY RECOMMENDED
Our Celebrated Figure Skate.



LIGHT, FAST, STRONG
The Starr Racer.

THE

Starr Mfg. Co.

Limited.

INCORPORATED 1868.

HALIFAX, N.S.

CANADA.

MARKETS AND MARKET NOTES.

QUEBEC MARKETS.

MONTREAL, December 1, 1899.

HARDWARE.

THERE has been little change in the situation this week. Barbed and galvanized wire are firm at the rise, and, on fence staples, prices point upwards, although jobbers have not changed their quotations here yet. Wire nails have moved fairly well, and there has been a moderate business noted in cut nails. The same can be said of horse nails, horseshoes, screws, bolts and rivets.

BARBED WIRE — There has been an advance in the price of barbed wire, which is quoted at $3.60.

SMOOTH STEEL WIRE — Trade is light and prices remain as last quoted, at $3.35 per 100 lb.

GALVANIZED WIRE — Prices on galvanized wire are higher all around. We now quote: Nos. 6 to 8, $4.25; No. 9, $3.55; No. 12, $3.70, and No. 13, $3.85.

FINE STEEL WIRE—Quiet, with discount 12½ per cent.

BRASS AND COPPER WIRE—Unchanged. Discounts remain 50 and 2½ per cent. on brass and 45 and 10 per cent. on copper.

FENCE STAPLES—Prices point upward on these, but are not yet quotably changed from $4.15 for galvanized and $3.55 for bright.

FINE STAPLES—Discounts are as follows: Coopers' staples, 50 per cent.; poultry netting, 45 per cent., and electrical, etc., 40 per cent. discount off list.

WIRE NAILS—There is a moderate inquiry for these, and prices are steady at $3.30 per keg for standard, with miscellaneous nails 72½ per cent. discount off list.

CUT NAILS—A quiet trade is noted in these, and values are held steady at $2.60 per keg f.o.b. the usual delivery points.

HORSE NAILS—Fairly active and steady. Discounts, 50 per cent. on standard and 50 and 20 on Acadia.

HORSESHOES—Trade continues fair. We quote: Iron shoes, light and medium pattern, No. 2 and larger $3.70; No. 1 and smaller, $3.95; snow shoes, No. 2 and larger, $3.95; No. 1 and smaller, $4.20; X L steel shoes, new light pattern, No. 2 and larger, $4.00; No. 1 and smaller, $4.25; feather-weight, all sizes, Nos. 0 to 4, $5.25; and toe weight steel shoes, all forward, all sizes $6.35 f.o.b. Montreal, St. John, N.B., and Halifax, N. S. Delivered f.o.b. in Toronto, Hamilton, London and Guelph 10c. per 100 lb. extra.

SCREWS — The movement in these is fair. Discounts: Flat head, bright, 80 per cent.; round head do., 75; flat head, brass, 75; round head do., 67½.

BOLTS—Inquiry is good for bolts Discounts are as follows: Carriage bolts, 5-16 and smaller, 50 per cent.; ⅜ and up, 50 per cent.; full square bolts, 65 per cent.; machine bolts, 52 per cent.; coach screw bolts, 65 per cent., and sleighshoe bolts, 70 per cent.

NUTS AND WASHERS — As last noted. We quote as follows: Square nuts, 3½c. per lb. off list, and hexagon 4c. per lb. off list. Washers in 50-lb. boxes are 35 to 40 per cent. discount.

...SEASONABLE GOODS...

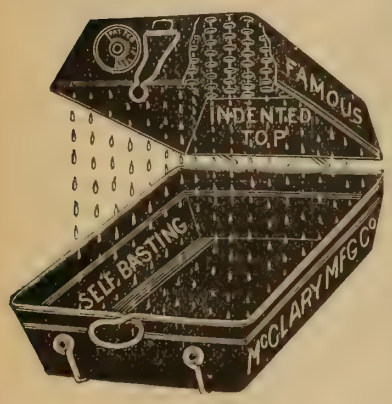
TURKEY TIME

IS NOW AT HAND

Is your stock of—

SELF-BASTING **Roasting Pans**

COMPLETE.



WE MAKE THREE SIZES

	Length	Width	Depth
No. 20,	14	10	7
" 30,	16	11½	8
" 40,	18½	12½	9

Wire shoes on bottom prevent any burning.

The indented top collects condensed steam, which drops onto the meat, basting it thoroughly.

It is thoroughly ventilated.

FOR A

CHRISTMAS GIFT

Nothing could be wished better than

...Decorated Steel Enamelled Wares



WE DECORATE IN A VARIETY OF DESIGNS:

Tea and Coffee Pots, Cups, Saucers and Mugs, Children's Plates, Toiletwares, Water Pails, etc.

Send a sample order. Order early and avoid being disappointed.

THE McCLARY MFG. CO., - London, Toronto, Montreal, Winnipeg, Vancouver.

Look out for our trade

mark name on the top sheet

of a bundle of galvanized

iron: Apollo Best Bloom.

Apollo Iron and Steel Company
26 St Sulpice Street
Montreal

Cements { PORTLAND, ROMAN, KEENE'S

Bricks . . { FIRE, BUILDING, PAVING

Sand . . . { SILICA FIRE, MOULDING, BUILDING

F. HYDE & CO.

31 Wellington street, MONTREAL

English Castor Oil

GUARANTEED PURE.

Pharmaceutical, Tasteless, Cold Drawn
First Pressure
Second Pressure

In cases of 2 tins and in barrels. Stocked by all Hardware, Oil and Color men.

The Hull Oil Manufacturing Co.
LIMITED

B. & S.H. THOMPSON & CO.
Agents for Canada - MONTREAL

CANADA IRON FURNACE CO., Limited

Manufacturers of

CHARCOAL PIG IRON

MONTREAL.

BRAND "C.I.F." THREE RIVERS

PLANTS AT

Radnor Forges, Que. — Three Rivers.
Lac a lac Tortue. — Grand Piles.

Geo. E. Drummond,
Managing-Director and Treasurer

RIVETS — A fairly good inquiry is noted. Discounts are: Black and tinned, 45 per cent.; ditto burrs, 40 per cent.; copper rivets and burrs, 35 per cent.

CORDAGE—Values are steady, Manila, 14½ to 15c. for 7-16 and up, and 15½ to 16c. for ⅜ up. Sisal, 12 to 12½c. for 7-16 and up, and 13 to 13½c. for ⅜ and up.

SHOVELS — Orders for these are of fair volume.

CUTLERY — There is a good demand for cutlery.

WINTER GOODS—All kinds of winter and sporting goods meet an active demand.

FIREBRICKS — Unchanged at $18 to $23 per 1,000, as to brand.

CEMENT — The range of prices is not quotably changed, but an advance is not unlikely. We quote: Belgian, $2 to $2.30; English, $2.35 to $2.50; German, $2.50 to $2.70. Canadian brands are 30 to 50c. higher, at $2.20 to $2.40.

METALS.

The heavy iron and metal market generally continues firm all around, although the volume of new business is less than it was; the houses having been chiefly engaged in pushing forward shipments so as to get the benefit of the water freights.

PIG IRON.—This material remains firm, with sales of No. 1 Scotch at $26.50, and some holders have refused this figure. It is reported that No. 1 Hamilton pig for next June delivery has been sold at $24.50.

BAR IRON—Bar iron rules stiff, round lots having sold up to $2.40, and we quote the jobbing price firm at $2.50.

BLACK SHEETS—In sympathy with the advancing tendency outside, noted last week, prices on these have been marked up from 10 to 50c., and we now quote: 8 to 15, $3.10; 18 to 20, $2.90; 22 and 24, $2.95; 26, $3.10, and 28, $3.15.

STEEL—There has been another advance in the price of steel. The range now is: Sleighshoe, $2.85; tire, $2.85; spring, $3.60; machinery, $3.75, and toe calk, $3.50.

GALVANIZED IRON—The firm feeling continues, and demand is fair. We quote: No. 28 Queen's Head, $4.75 to $5.00, and No. 26, $4.50 to $4.75; Comet, No. 28, $4.45 to $4.70, and No. 26, $4.15 to $4.45.

INGOT COPPER — These has been no further change in this metal, prices ranging from 18¼ to 18½c.

INGOT TIN — Prices remain about as quoted last week, 33c. for Straits, and 35c. for Lamb and Flag.

LEAD — The firm feeling noted last week continues, and prices are held stiff at $4.50.

SHOT—Quiet, at 5½c. for ordinary and 6¼c. for double-chilled.

"Dominion Crown"
HORSESHOE IRON.

Always the standard for high-class work.

IMPORT ONLY.

A. C. LESLIE & CO.
MONTREAL.



IRON AND BRASS

Pumps

Force, Lift and Cistern Hand and Power.

For all duties. We can supply your wants with —quality the best and prices right. Catalogues and full information for a request.

THE R. McDOUGALL CO., Limited

Manufacturers, Galt, Canada.

ADAM HOPE & CO.

30 JOHN STREET N.

Hamilton, Ont.

GALVANIZED SHEETS

"QUEEN'S HEAD"
"COMET"
"APOLLO B B"
"JUNIATA"

STEEL SHEETS
20 to 28 Gauge

TIN PLATES
CANADA PLATES
SHEET ZINC
RUSSIA IRON

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

LEAD PIPE — In fair inquiry and steady. We quote ordinary 7c., and composition waste 7½c. with 15 per cent. off.

IRON PIPE — Firm. We quote: Black pipe, ¼ to ⅜, $3.40; ½, $3.60; ¾, $4; 1, $5.75; 1¼, $7.50; 1½, $9.75, and 2-in., $12.75.

TINPLATES—These are steady on the whole. We quote: Coke $4.40 and charcoal $4.75.

CANADA PLATES—This line is very firmly held. We quote: 52's, $2.60; 60's, $2.70; 75's, $2.80; full polished, $3.25; galvanized Canada plates, $4.55 for 52's.

TERNE PLATE—Unchanged at $8.

SWEEDISH IRON—Supply light and prices firm at $3.75.

COIL CHAIN—As last noted. We quote: No. 6, 12c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-inch, $8; 5-16, $5.65; ⅜, $5.05; 7-16, $4.80; ½, $4.65; 9-16, $4.50; ⅝, $4.45; ¾, $4.40; ⅞ and 1 inch, $4.40.

JACK CHAIN—Unchanged—35 per cent. on steel and 40 per cent. on brass.

SHEET ZINC—Cash lots are quoted at 7c.

ANTIMONY — Steady, on the basis of 10¼c. for cask lots.

SPELTER—Without new feature here at $6.25.

GLASS.

Business has been moderate and prices are unchanged. We quote as follows: First break, $2.00; second, $2.10 for 50 feet; first break, 100 feet, $3.80; second, $4.00; third, $4.50; fourth, $4.75; fifth, $5.25; sixth, $5.75, and seventh, $6.25.

PAINTS AND OILS.

Most of the houses are commencing to think of stock-taking, and, as business is light, there is very little to report in this department. We quote:

WHITE LEAD—Best brands, Government standard, $6.37½; No. 1, $6; No. 2, $5.62½; No. 3, $5.25.

DRY WHITE LEAD—$5.25 in casks; kegs, $6.

RED LEAD—Firm; casks, $4.75; in kegs, $5.

WHITE ZINC PAINT—Pure, dry, 8c.; No. 1, 6½c.; in oil, pure, 9c.; No. 1, 7½c.

PUTTY —We quote: Bulk, $1.65; bladders, in bbls., $1.80; bladders, in cases, $1.95; in tins, $2.05 to $2.30.

LINSEED OIL — Raw, 63c.; boiled, 66c., five to nine-barrels, 1c. less, ten and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—Single barrels, 77c.; two to four barrels, 76c.; five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Firm; $1.10 to $1.30 per gallon.

CASTOR OIL—Firm; 7½ to 8c.

SEAL OIL—35c.

COD OIL—32½ to 35c.

NAVAL STORES—Fair demand for all lines, and prices show no change: Resins, $2.75 to $4.50, as to brand; coal tar, $3 to $3.50; cotton waste, 4½ to 5½c. for colored, and 6 to 7½c. for white; oakum, 5½ to 6½c., and cotton oakum, 9 to 11c.

PETROLEUM.

In fair inquiry and steady. We quote: "Acme," 18c., and "Silver Star," 17c.

HIDES.

Steady and unchanged. Beef, No. 1, 10c.; No. 2, 9c., and No. 3, 8c. Lambskins, 75c. Calfskins, 11c. for No. 1 and 9c. for No. 2.

COAL.

Fairly active. We quote: Stove, $5.75; chestnut, $5.75; egg, $5.50; Scotch grate, $6; Scotch steam, $4 to $4.50; Tower ports steam, $3.50 to $3.75.

MONTREAL NOTES.

All kinds of heavy steel have been marked up from 10 to 40c. per 100 lb.

There has been a rise in the jobbing price of barbed wire here of 10 to 20c.

Galvanized wire has been marked up all the way from 10 to 40c., according to guage.

As predicted last week there has been a general and sharp advance in black sheets.

ONTARIO MARKETS.

TORONTO, December 1, 1899.

HARDWARE.

TRADE is a little more active, if anything, than it was a week ago. This is particularly true of business during the last few days of the week. The week has been unmarked by any particularly striking changes in prices. Wire nails keep steady, with the demand very good. Cut nails are still quiet. A good many orders are being booked by the jobbing trade for barbed wire and galvanized wire for future delivery. For immediate shipment there is little or nothing doing. Horse nails and horseshoes are meeting with a fairly good demand. Screws are still going out well, and while the demand for bolts is good, it is not as active as it was. The demand for building paper exceeds the supply. Cutlery is going out well, and so are sporting goods. Payments are, on the whole, very good.

BARBED WIRE—Quite a few orders are being booked by the wholesale trade for shipment later. Prices are unchanged, quotations being $3.60 Toronto and $3.25 f. o. b. Cleveland for carlots and $3.35 for smaller quantities.

SMOOTH STEEL WIRE—A small movement is still to be noted in hay-baling wire, but in oiled and annealed there is practically nothing doing. The base price is unchanged at $3.35.

GALVANIZED WIRE — Sales are being made for later delivery at quotations, but little or nothing is being done for prompt shipment. We quote as follows: Nos. 6, 7, 8 gauge, $4.25; No. 9, $3.55; No. 10, $4.40; No. 11, $4.45; No. 12,

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON' KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL


COVERT MFG. CO.
West Troy, N.Y.
DERBY SNAP.
With Plated Rust Proof and Guarded Spring.
"THE LATEST AND BEST."
For Sale by all Jobbers at Manufacturers' Prices.

PRIEST'S CLIPPERS
BALL BEARINGS

Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA

COATES' CLIPPERS

HAND AND POWER, easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel, and will not heat. 1899 catalogue ready.
Coates Clipper Mfg. Co.
WORCESTER, MASS.


Pullman Sash Balance Co
Makers of the
"Pullman" Hardware Specialties
Main Office and Works,
Rochester, N.Y., U.S.A.
On sale all round the globe.

$3.70; No. 13, $3.85; No. 14, $5.00; No. 15, $5.30; No. 16, $5.50.

WIRE NAILS—Trade is fairly good with prices firmer. We quote carlots at $3.22½ and smaller quantities at $3 30 per keg in Toronto.

CUT NAILS — The volume of business is still small. The base price is unchanged at $3.60 f.o.b. Toronto, Hamilton and London.

HORSE NAILS—HARDWARE AND METAL is informed that the manufacturers are thinking seriously of advancing prices. One manufacturer is reported to have already advanced his figures. The demand is reported to be keeping up surprisingly well. We quote: Standard, oval head, 50 per cent.; Acadia countersunk head, 50 and 20 per cent.

HORSESHOES—Trade is fairly active in this line. We quote f.o.b. Toronto, Hamilton, London and Guelph: No. 2 and larger, light, medium and heavy iron shoes, $3.80; snow shoes, $4.05; light steel shoes, $4.10; featherweight shoes, all sizes, $5.35. No. 1 and smaller, light, medium and heavy iron shoes, $4.05 per keg; iron snow shoes, $4.30; light steel shoes, $4.35; featherweight steel shoes, all sizes, $5.35.

SCREWS—Trade is active, but devoid of any specially new feature. We quote: Flat head bright, 80 per cent. off the list; round head bright, 75 per cent.; flat head brass, 75 per cent.; round head brass, 67½ per cent.; flat head bronze, 67½ per cent.; round head bronze, 62½ per cent.

BOLTS AND NUTS—While a good business is still being done, the demand shows some signs of easing off. We quote as follows: Norway bolts, full square, 65 per cent.; common carriage bolts, all sizes, 50 per cent.; ditto, full square, 65 per cent.; machine bolts, all sizes, 52½ per cent.; coach screws, 65 per cent.; sleighshoe bolts, 70 per cent.; blank bolts, 52½ per cent.; bolt ends, 62½ per cent.; nuts, square, 3½c. off; nuts, hexagon, 4c. off; tapping nuts, 60 per cent.; tire bolts, 60 and 10 per cent.; stove bolts, 60 and 10 per cent.; plough bolts, 50 per cent.

RIVETS AND BURRS — Trade in this line is fair. We quote as follows: Carriage section, wagon box, rivets, etc. (steel), 60 per cent. off the list; ditto (Norway iron), 60 per cent.; black M rivets (steel), 55 per cent.; ditto (Norway iron), 45 per cent.; iron burrs, 40 per cent.; copper rivets, 35 per cent.; bifurcated, with box, $1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

WRINGERS—There is a fair although not a heavy trade being done. We quote: "Leader," $60 per doz.; "Royal Canadian," $58; "Royal American," $48.



DURABLE AND ECONOMICAL.

Costs less in the end than others. Proved by conclusive tests that it requires less mortar and can be more quickly applied.

HAYES' PATENT LATHING offers unequalled advantages for use in any building. It clinches and holds the mortar firmly, and is Fire, Water, and Vermin-Proof.

FOR COVERING PIPE CHASES, HOT-AIR FLUES, ETC. it is used most extensively, in every case giving complete satisfaction. There is no better.

Full details of information in our Catalogue.

THE METALLIC ROOFING CO., Limited

1179 King St. W., TORONTO.

Prices are all f.o.b. Toronto, Hamilton, Brockville, and Montreal. Discount, 45 per cent. Terms, four months, or 3 per cent. 30 days.

BUILDING PAPER — Jobbers report that building paper is going out as fast as they can get it. We quote as follows: Plain building, 28c. per roll; tarred lining, 35c., according to quality; tarred roofing felt, $1.40 per 100 lb.; carpet felt, $2.75 per 100 lb.

ENAMELLED WARE — There is more enamelled ware going out than was expected. After the last advance there was a falling off in the demand, but now people are beginning to buy more freely again. The discounts are as follows: "Princess" ware, "Turquoise" ware, blue and white ware, and white ware, 50 per cent.; "Premier," "Diamond" ware, "Famous" ware, 50 and 10 per cent.; "Crescent," "Granite" or "Pearl" ware, "Imperial" ware, 50, 10 and 10 per cent.

SPADES AND SHOVELS—Orders are still being booked for future delivery. Discount, 40 and 5 per cent.

HARVEST TOOLS — A little business is being done for spring shipment. Discount, 50 and 10 per cent.

STOVES AND FURNACES—The continued mild weather is affecting the stove and furnace trade. Manufacturers have now so caught up with their orders that they are now in a position to accept new business. Discounts are: Stoves and ranges, 45 and 5 per cent.; furnaces, 40 and 5 per cent.; registers, 60 per cent.

CUTLERY—A good trade is still to be noted.

SPORTING GOODS — The demand is seasonably good.

ROPE—There is very little business being done. Quotations are now as follows: Sisal, 7-16 inch and larger, 12c. per lb.; ⅜ inch, 12½c.; ¼ to 5-16 inch, 13c.; manila 7-16 inch and larger, 14c. per lb.; ⅜ inch, 14½c.; ¼ to 5-16 inch, 15c.

SINKS—The demand is fair. Discount on steel and galvanized is 45 per cent.

TINWARE—The usual slackening in the demand is being experienced.

CEMENT—As the season is nearing its end, the demand is slackening. We quote as follows in barrel lots: Canadian Portland, $2.65 to $2.90; Belgian, $3 to $3.10; English do., $3.25; Canagian hydraulic cements, $1 to $1.10; calcined plaster, $1.90; asbestos cement $2.50 per bbl.

METALS.

Galvanized iron, black sheets and tinplates are the most active lines in metals. As is usual at this time of the year, the demand for metals generally is falling off.

PIG IRON—The market keeps firm. We quote Hamilton iron at $25 at the furnace, Tonawanda at $24, and No. 1 Southern at $21.75 to $22.25.

BAR IRON—An active demand is still to be noted. We quote $2.30 in carlots at the mills and $2.40 in smaller quantities; from stock, $2.40 to $2.50.

HOOP STEEL—Prices are quoted higher, and a good business is being done. We quote 1½ to 2-in. base at $3.

GALVANIZED IRON—The demand is good both for English and United States iron. The ruling quotation is $5 for English and $4.75 for United States iron.

John Bowman Hardware & Coal Co.

LONDON, ONT.

Our Fall stock is now complete and we can supply at the best figures, **AXES, SAWS, LANTERNS, CORDAGE, CHAIN, WINDOW GLASS, PAINTS, OILS,** etc. Our importation of **CUTLERY, SKATES, ENGLISH GUNS, SHOT SHELLS, BLACK and SMOKELESS POWDER, SHOT, WADDING,** etc., now in.

Our Motto: Prompt Shipment, Right Prices.

EXTENDED INSURANCE.

One of the many liberal features embodied in the **UNCONDITIONAL ACCUMULATIVE POLICY** issued by the

Confederation Life Association.

HEAD OFFICE--TORONTO.

is the provision for Extended Insurance. After two full annual premiums have been paid, the insured is entitled to Extended Insurance for the full amount of the policy for a term of years definitely stated therein. Paid-up and Cash Values also guaranteed.

Rates and full information sent on application to the Head Office, Toronto, or to any of the association's agents.

W. C. Macdonald, Actuary.

J. K. MACDONALD, Managing Director

BLACK SHEETS—Business keeps brisk with 28 gauge still quoted at $3 35.

CANADA PLATES—The market is decidedly strong and high prices are quoted for spring delivery by the manufacturers. There is not much business being done at the moment. All-bright is now quoted at $3.60; half-polished at $3.10, and all-dull at $3 per box.

PIG TIN—The demand is just moderate. The outside markets have again taken a firmer tone, latest cable advices reporting an advance of £1 per ton in London. The market is also firmer in New York. Locally, the price is unchanged, 35c. per lb., being the ruling figure.

COPPER—Trade is quiet in ingot copper, but it is more active in sheets. We quote: Ingot copper, 20 to 21c. per lb., and sheet, 23 to 23½c. per lb.

IRON PIPE—The demand keeps good. Quotations are a little lower, but it is due to an effort on the part of jobbers to make prices uniform rather than to any weakness in the market. We quote: Black pipe, ¼ to ⅜ inch, $3.60; ½ inch, $3.70; ¾ inch, $4.20; 1 inch, $5.90; 1¼ inch, $7.85; 1½ inch, $9.75; 2 inch, $13; 2½ to 6 inch, discount off the list 45 per cent. Galvanized pipe is quoted as follows: ½ inch, $6.50; ¾ inch, $8; 1 inch, $11.50; 1¼ inch, $16; 1½ inch, $20; 2 inch, $28.50.

LEAD PIPE — Trade keeps fair. We quote: Ordinary pipe, 7c., and waste, 7½c. per lb. Discount, 15 per cent.

RANGE BOILERS —A moderate business is still to be noted. We quote as follows: Galvanized, 30 gals., $8.50; 35 gal., $10; 40 gal., $11. Copper, 30 gal., $22; 35 gal., $26; 40 gal., $30; discount off copper boilers, 10 per cent.

SHEET ZINC — Trade is only moderate. Prices are unchanged at 8 to 8¼c.

PIG LEAD—The demand does not appear to be as brisk as it was a week ago. We quote 4¾ to 5c. per lb.

SPELTER — Trade is dull in this line. Prices are unchanged at 7 to 7¼c. per lb.

SOLDER—A good business is still being done. We quote: 21 to 22c. for half-and-half; 20½ to 21½c. for refined, and 20 to 20½c. for wiping.

ANTIMONY—Still featureless. We quote Cookson's 11 to 11½c. per lb.

PAINTS AND OILS.

Though the demand is quiet, it is better than usual at this season, as the mild weather throughout the Province has made it possible to do more outdoor painting than usual. Prices are firm and unchanged. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $6.50; No. 1, $6.12½; No. 2, $5.75; No. 3, $5.37½; No. 4, $5; dry white lead in casks, $5.75.

RED LEAD—Genuine, in casks of 560 lb., $5.00; ditto, in kegs of 100 lb., $5.25 to $5.50; No. 1, in casks of 560 lb., $4.75; ditto, kegs of 100 lb., $5.

LITHARGE AND ORANGE MINERAL—Litharge, 6 to 6½c.; orange mineral, 7½ to 8½c.

WHITE ZINC—Genuine, French V.M., in casks, $7 to $7.25; Lehigh, in casks, $6.

PARIS WHITE—90c.

WHITING — 55c. per 100 lb.; Gilders' whiting, 75 to 80c.

GUM SHELLAC—In cases, 20c.; in less than cases, 24c.

PLASTER PARIS — Ordinary, $1.75 per barrel; New Brunswick, $2 to $2.20 per barrel.

PUMICE STONE—Powdered, $2.50 per cwt. tion of cheap boilers, a reduction of 50c. has taken place in 30-gallon galvanized in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, $1.10 per gallon; No 1 quality, 90c. per gallon.

SEAL OIL—54c. per gallon, and yellow seal at 45c.

CASTOR OIL—East India, in cases, 8 to 8½c. per lb. and 9 to 9½c. for single tins.

LINSEED OIL — Raw, 1 to 4 barrels, 62c.; boiled, 65c.; 5 to 9 barrels, raw, 61c.; boiled, 64c.; 10 to 15 barrels, raw, 58c.; boiled, 61c.; 16 to 30 barrels, raw, 57c.; boiled, 60c. To outside points, 1 to 9 bbls. are quoted 1c. per gallon higher.

TURPENTINE—Single barrels, 75c.; two to four barrels, 74c., freight allowed ; in less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged. To outside points, 1 to 4 bbls. are quoted 2c. per gallon higher.

GLASS.

Business continues brisk, window, plate and ornamental glass all being in active demand. Prices are steady. We quote : Star, first break in 50-foot boxes, $2.15, and in 100-foot boxes, $4 ; double diamond under 25 united inches, $6, Toronto, Hamilton and London; terms 4 months or 3 per cent. 30 days.

OLD MATERIAL.

Prices are firm. There is an active demand. Deliveries are large. We quote : Agricultural scrap, 65c. per cwt.; machinery cast, 65c. per cwt ; stove cast scrap, 40c.; No 1 wrought scrap, 60c. per 100 lb.; new light scrap copper, 12½c. per lb.; bottoms, 11c.; heavy copper, 15c.; light scrap brass, 7½c.; heavy yellow scrap brass, 10c.; heavy red scrap brass, 11c.; scrap lead, 2½c.; zinc, 3c ; scrap rubber, 4¼c.; good country mixed rags, 65 to 75c.; clean dry bones, 40 to 50c per 100 lb.

HIDES, SKINS AND WOOL

HIDES — Cured hides are again ¼c. dearer. Otherwise, there is no change. We quote : Cowhides, No. 1, 9½c.; No. 2, 8½c.; No. 3, 7½c. Steer hides are worth ½c. more. Cured hides are worth 10¼c.

SKINS—The market is firm. No change is noted. We quote : No. 1 veal, 8-lb. and up, 10c. per lb.; No. 2, 8c.; dekins, from 40 45c.; culls, 20 to 25c. Sheep and lambskins are selling at 85c.

WOOL — The market is healthy and active. Prices are firm at last week's figures. We quote : Clothing wool, 17c.; combing fleece, 16 to 16½c.; unwashed, 9½ to 10c.

SEEDS.

The market is practically in the same condition as last week, though for extra choice to fancy lots of both red clover and alsike a slight advance on the prevailing quotations might be had. Dealers are offering $4.50 to $5 outside for red clover and $4.50 to $7 for alsike.

76,800 Daily Production. 5 Factories. 5 Brands. **NICHOLSON FILES** For sale all over the World.



16 Governments. 85% R.R., 70% U.S. Contracts. 70% of Total Production of America.
NICHOLSON FILE CO., PROVIDENCE, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited. Established 1773

Manufacturers of **Polished, Silvered, Bevelled, Chequered, and Rough Plate Glass.** Also of a durable, highly-polished material called **"MARBLETTE,"** suitable for Advertising Tablets, Signs, Facias, Direction Plates, Clock Faces, Mural Tablets, Tombstones, etc. This is supplied plain, embossed, or with incised gilt letters. **Benders, Embossers, Brilliant Cutters, etc., etc.** Estimates and Designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow 12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address; "Glass, St. Helens." Telephone No 68 St Helens.

PETROLEUM.

There is a good demand for all quarters. Prices are steady. We quote: Pratt's Astral, 18¼c. in bulk (barrels, $1 extra); American water white, 18¼c. in barrels ; Photogene, 17¼c.; Sarnia water white, 17c. in barrels ; Sarnia prime white, 15½c. in barrels.

COAL.

There is an unprecedented scarcity of cars. The difficulty of securing transportation is affecting the supply of both hard and soft coal, the scarcity of the latter amounting almost to a famine in this market. This state of affairs is true in nearly all sections of America. Prices are firm, with an advance of 25c. in the nut size. Anthracite is quoted for immediate delivery at Buffalo and bridges as follows : Nut, $5 per gross ton, or $4.46 per net ton; egg and stove, $4.75 per gross ton, or $4.24 per net ton ; grate, $4.50 per gross ton, or $4.01 per net ton.

MARKET NOTES.

Hoop steel is higher.

Nut coal is 25c. per gross ton dearer. It is now $5 at Buffalo and bridges. Owing to difficulty in getting cars there is a scarcity of both hard and soft coal in this market.

Stewart & Wood, wholesale glass, paints and oils, Toronto, who have just finished stock-taking, say their books show the past year to have excelled in volume any year's business since 1888.

A SHIPYARD FOR COLLINGWOOD.

The ratepayers of Collingwood, Ont., on Thursday voted almost unanimously to grant a bonus of $50,000 to the proposed steel shipyards, of which Capt. Alex. McDougall, of Duluth, Messrs. Thos. and J. J. Long and Chas. Cameron are the promoters. Of the 684 votes polled 670 were in favor of the by-law.

SLANG IN BUSINESS.

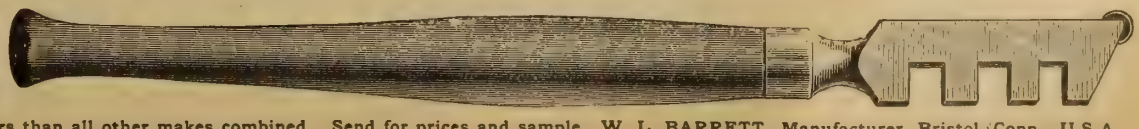
WHO does not know of men who, in their homes and in society generally, are very careful and refined in the use of language, but immediately relapse into the employment of slang phrases as soon as they begin business? It is said to be a peculiarity of Americans. Whether it is specially marked in their case above that of other people, we will not undertake to say, but certain it is that the practice is a very general one.

Why is it? Do men make special effort to hold themselves with a tighter rein in society or at home than in their places of business? If so, do they not make a mistake? Is not business now conducted in such a way that a man ought to be girded with his fullest strength and have all his facilities under the control of the will during those hours when he is having dealings with other men? Is it not probable that the habit of rather letting up on oneself in business hours is the real cause of many a disaster? Lack of care in the recent war made many a poor fellow a mark for a Spaniard's bullet, and business, in some sense of the word, is war—too often war to the knife.

Of course, there must be hours of relaxation. No man can bear the awful strain under which business is now done for many hours in succession. But such relaxation comes naturally enough, at the close of business for the day, at home, and at certain rare moments within the privacy of one's own office. But in no case is their good reason for the use of slang. It unmans one. A careless use of the tongue leads to a careless use of the judgment, and of every other faculty. It should be universally condemned, and mercilessly stamped out of every man's own private conduct.—New York Business.

Mr. Skene has opened a general store in the building lately occupied by Campbell Bros., at McAdam Junction, N.B.

Barrett's Glass Cutters Standard
Barrett's Practical Glass Cutters are the standard the world over.



Sold by more Hardware Dealers than all other makes combined. Send for prices and sample. W. L. BARRETT, Manufacturer, Bristol, Conn., U.S.A.

TRADE IN OTHER COUNTRIES THAN OUR OWN.

THE ENGINEERING TRADE IN ENGLAND

THERE is great activity in this industry. Locomotive and marine engineers are busy just now, while pipe founders and boilermakers have plenty of work. In both the engineering and shipbuilding trade there seems to be a slight lull in the flow of new orders ; but shipbuilders feel no anxiety as far as they are concerned, believing that owners cannot keep out of the market much longer, and that there will shortly be a rush of orders. The numerous inquiries to hand for steamers show that requirements are increasing, and builders are confident that they will eventually obtain the new contracts on their own terms, the stiffness of which has been causing owners to hold off. All the yards are busy, and it is calculated that, at the end of the year, notwithstanding the heavy tonnage that has been launched in the last 10 months, there will be as much work to begin 1900 with as was in hand at the commencement of this year.—Iron and Coal Trade Review, November 17.

WELSH TINPLATE TRADE.

A London, England, paper of November 11 says : "The shipping statistics for tinplates last month were not favorable, but this month's should show improvement. The Welsh works are all moderately busy, and as stocks awaiting shipment are running down there is nothing depressing in the outlook. The lower price of tin is something in favor of manufacturers."

MALLEABLE IRON FOR CANADA.

Advices from Glasgow, Scotland say : "The malleable iron-works all continue very busy, and as prices are again advanced in the south, a rise in quotations may be expected. There are many inquiries for shipment to Canada, and some iron has been shipped, and there is much more to follow."

FINISHED IRON IN GREAT BRITAIN.

The Pearson & Knowles Company yesterday advanced their bars 5s. to £9 5s.; sheets to £10 10s.; hoops to £9 15s., and wire rods to £10 10s. The Shelton Company and the other North Staffordshire firms have also added 5s. to their basis prices, making their quotations for bars £9 5s. At Birmingham yesterday the Unmarked Bar Manufacturers met under the presidency of Mr. J. G. Ray (in the absence, through illness, of Mr. S. Hingley), and decided to raise the basis rate for unmarked bars from £9 to £9 10s. This makes the sixth advance in unmarked bars in a period of 12 months, and in that time the basis has been raised from £6 10s. to £9 10s. In November, 1897, unmarked bars stood at £6, and since then they have been advanced as below :

	£	s.	d.
July, 1898, to	6	5	0
October, 1898, to	6	10	0
January, 1899, to	6	15	0
April, 1899, to	7	0	0
June 1, 1899, to	7	10	0
June 29, 1899, to	8	0	0
July 13, 1899, to	8	10	0
September 28, 1899 to	9	0	0
November 9, 1899, to	9	10	0

—Iron and Steel Trades Review, November 11.

BRITISH IRON FOR CANADA.

A fortnight since, when West Coast Hematite warrants had improved to 76s. 9d., we expressed the opinion that within a few days the price would again touch 80s. The price has been creeping up all the week, and the market closes to-day with buyers at 79s. 5d., so that now, when only 7d. has to be added to make 80s., it seems certain that this figure will be reached. Makers' prices for mixed numbers are about 80s., and have kept at this while warrants have been recovering lost ground. The shipments from the West Coast ports were about an average last week, but 3,000 tons of iron have gone out of store this week, reducing the total to 221,000 tons. On the Glasgow Exchange Scotch pig iron warrants have been in demand all the week, but yesterday, when the market touched 72s. 1½d., there was a counter demonstration, and the price fell back to 71s. 9½d. To-day the market closed at 72s. 4d., an advance of 2s. per ton this week. Makers' iron is very scarce, and nominal prices range between 88s. for No. 1 Coltness, and 72s. 6d. for Quarter and Govan. No. 1 Gartsherrie is quoted 83s. 6d. and No. 3 at 78s. The shipments continue to slightly exceed those for last year, but Canadian business is increasing and shipments to the United States may follow. About 4,000 tons of iron have gone out of Connal's stores at Glasgow, reducing the the stock 221,500 tons. — Iron and Steel Trades Journal, November 11.

TRADE CHAT.

The Hamilton Bridge Co. has shipped to Streetsville, Ont., a big steel girder 130 feet long, 15 feet in depth over all, with 5½ panels, which weighs 80,000 lb. The longest girder made by the company before this was 124 feet long. The girder just shipped is for a bridge over the Credit river, on the main line of the C.P.R.

Bennett Bros. have commenced business in Essex, Ont.

The Ontario Glass Co., Kingsville, Ont., is applying for a charter.

McDermid & Kyle have opened a hardware store in Stratford, Ont.

The Chesley, Ont., Rake and Novelty Co., Limited, has obtained its charter.

The National Cycle and Automobile Co., Limited, Toronto, has been incorporated.

Skinner Bros., general merchants, Leamington, Ont., have moved their stock to West Lorne, Ont.

The Atlantic Washing Machine Co., Limited, Aylmer, Ont., has been incorporated.

The Red Bluff Gold Mining Co., St. Hyacinthe, Que., has applied for incorporation.

The Victor Gold Mining and Development Co. of Rat Portage, Limited, has been incorporated.

The John McDougall Caledonian Iron Works Co., Limited, Montreal, is seeking incorporation.

A UNIQUE PUBLICATION.

The youngest of the up-to-date trade journals that comes into the office of HARDWARE AND METAL is The Export Implement Age, Philadelphia. The third number of the initial volume, which has just come to hand, shows that, though a young paper, the field it covers is of such importance, that it has obtained excellent support from the manufacturers of agricultural machinery, etc., of the United States.

The Export Implement Age is an 80-page independent journal, devoted exclusively to the export trade in agricultural machinery, pumps, windmills, farm tools and dairy supplies. It is printed in German, French and Spanish as well as English, thus including in its scope nearly every country in the world that buys implements in quantities.

Both the editorial and advertising columns are so full of illustrations and descriptions of American and European implements of every kind that it is bound to prove as interesting and acceptable to the buyers of implements as it is valuable to the manufacturers.

Advertising in Western Canada will be **Carefully, Efficiently,** and **Promptly** attended to, by

THE **ROBERTS ADVERTISING AGENCY,**
WINNIPEG, CANADA.

Two Wall Paper Beauties



No. 833.

"Malmaison" Empire Pattern

This design is especially commendable for its correctness of style. The decorative theme of this pattern was executed from a similar design known as a souvenir of Empress Josephine. The brilliancy of its gilding, accuracy of printing and richness of its ground colorings, on fancy embossed paper, render it invaluable for high-class decorations.

No. 798.

"Royal Orleans"

An exquisite heraldic pattern with beautiful shield effect and royal armory—the very thing for parlors and halls. Printed on grounds of crown red, primordial blue, palace blue, maple, and bud-green colorings, in plain and embossed gilts.

A paper that will attract the lover of the beautiful.



No. 798.

Your stock **cannot be complete** without the above beautiful patterns and others in the upper end of our line.

In point of originality, variety, novelty and quality we excel. Up-to-date in every way.

It does not COST you any more to get the BEST, but it PAYS you better. We want every dealer in Canada to judge for himself that we mean just what we say, and will send samples, free of all charge, to suit all requirements in the way of Wall Papers.

Don't wait—order now and get best selection and early delivery. You may need the goods sooner than you anticipate. The tide of prosperity will benefit you ever so much more if you handle **"PROSPERITY" WALL PAPERS**—only manufactured by

The Watson, Foster Company, LIMITED

MONTREAL, Que.

Agents for CAMEO RELIEFS and LIGNOMUR

RETAIL MERCHANTS IN CONVENTION.

AT the invitation of the Toronto Retail Merchants' Association, many merchants from various sections of Ontario assembled in the Temple building on Monday afternoon and evening to organize a provincial association. The chair was occupied by W. B. Rogers, president of the Toronto association.

Among those present were the following: J. H. Simpson, grocer, Guelph; W. J. Henry and John Reuttel, booksellers and stationers, Kincardine; R. Wilson, druggist, Cobourg; T. O. Rowat and W. H. Ferguson, London; T. J. Boyd, jeweler, Ottawa; T. Crawford, boot and shoe dealer, St. Carharines; J. W. Ney, druggist, Bracebridge; J. F. Clarke, dry goods dealer, and S. T. Hopper, druggist, Port Hope; W. B. Rogers, furniture dealer, Toronto; E. Potts and H. Davies, fancy goods dealers, Toronto; John Butcher, J. S. Bond, D. Bell, T. Foster, Dallimore Bros., T. G. Crown, R. Higgins, J. Coutts, J. Short, F. Hall, John Doyle and Chas. Metley, grocers, Toronto; W. Russell, R. Hanna, S. Thompson, I. B. Johnson, boot and shoe dealers, Toronto; G. E. Gibbard, Hargreave Bros., J. R. Lee, J. B. Stevenson and J. Cuddy, druggists, Toronto; Geo. Lugsdin, saddler, Toronto; J. J. Hall and Geo. Boxall, stoves and hardware, Toronto; W. H. Evans, A. Britnell, J. Sutherland, B. McEntee and O. E. Bassman, booksellers, etc., Toronto; W. McBain and J. R. Hancock, tailors, Toronto; H. A. E. Coo, dealer in typewriters, &c., Toronto; E. Morphy, and Jas. Anderson, jewelers, Toronto; John Willmot, J. B. Davison and A. R. McDonald, butchers, Toronto; S. G. Little and J. T. Jones, dry goods dealers, Toronto.

President Rogers, in his opening address, explained the reason for calling the meeting. The Toronto association, he said, had come to the conclusion that in order to carry weight with the Ontario Legislature, the merchants of the Province should be interested in the work they were doing to better retail merchandising in the country.

The Toronto Retail Merchants' Association had been in existence for three years, and in that time had done much for the betterment of trade conditions. Among other evils they had combated was the departmental store trust. They had secured the conviction of one of the large departmentals for fraudulent advertising, and in many ways had done an educational work which he hoped would bear good fruit.

THE DEPARTMENTAL STORE TRUST.

The simplification of court procedure for the collection of debts, adulteration of foods, the use of trading stamps, and other matters should receive consideration.

He suggested the formation of some central organization which might act as buyer for the retail dealers. It was a fact that some manufacturers graded their discounts in proportion to the size of orders received, or granted a rebate when a certain quantity of goods is purchased in the year. By taking advantage of these discounts or rebates the departmentals are placed on the same footing as the jobbers and obtain advantages over the small dealer.

In another respect the departmental store was, in Mr. Rogers' estimation, an evil, for, by

DRIVING COMPETITORS OUT OF BUSINESS,

and thus causing stores to be left vacant, they caused depreciation in the value of real estate. This lessened the taxpaying power of these properties. On the other hand, the departmentals, by borrowing large sums of money from the banks and purchasing large stocks, took advantage of the clause in the Assessment Act which exempts from the personality tax the amount of liabilities, and did not pay their share of taxation.

The constant search for "bargain goods" by these large stores had the effect of causing a great production of poorly-made, shoddy goods, which, by reducing their wages, struck a serious blow at the moral and material welfare of the working classes.

THE DIFFERENT FORMS OF LEGISLATION

that have been prepared in various countries to overcome the evils of the departmentals were as follows:

I. A progressive tax on the annual turnover of all those engaged in retail trade.

II. A law to prohibit a merchant in certain-sized towns from selling under one roof more than a limited line of goods, according to a graded schedule prepared.

III. A graduated license law for those engaged in retail trade, enabling a merchant to engage in two or three lines of trade at a nominal license fee, but with a heavy graduated scale for each and every department thereafter added.

IV. A straight license law enabling a merchant to handle one line or group of goods, according to a schedule prepared, at a nominal charge of $1, and for every other line or group a license fee of from $3 to $5.

V. A combination of I. and IV., providing for the exemption from this tax of all merchants not doing more than a stated amount of business per year.

VI. A tax per capita on number of employes, and, in addition, a percentage tax on the rental value of the premises occupied.

The association had good precedent for the graduated feature of tax in the Ontario "Succession Duties" tax, and in the agreement between the city of Toronto and The Toronto Railway Company.

In a spirited and interesting discussion, the many questions suggested by Mr. Rogers were dealt with by the representatives of the various towns.

COMMITTEE ON LEGISLATION.

A committee on legislation was then appointed, consisting of the following: W. B. Rogers and G. E. Gibbard, Toronto; J. W. Ney, Bracebridge; R. Wilson, Cobourg; W. H. Henry, Kincardine; T. Crawford, St. Catharines.

The committee reported exhaustively on the various questions, and after discussion

RESOLUTIONS WERE PASSED

condemning trading stamps, and appointing a committee to find the best means to remedy this evil; in favor of a turnover tax bill, and in favor of such improvements in the law as are necessary to prevent fraudulent advertising and adulteration of foods, and asking the merchants of the country to interview, memorialize and petition members in favor of the reforms advocated.

OFFICERS ELECTED.

The election of officers was then proceeded with, the following being chosen:

President—John Hargreaves, Toronto.
1st Vice-President—W. J. Henry, Kincardine.
2nd Vice-President—J. T. Boyd, Ottawa.
Treasurer—G. E. Gibbard, Toronto.
Secretary—E. M. Trowern, Toronto.

It was decided, as soon as a plan of campaign was prepared by the executive, that organizers should be sent out to build up the association throughout the Province.

AFTER THE BOOM IS OVER.

"American competition is no longer heard of in this country," says the British Trade Journal. "The great 'boom' in the States has not merely stopped the sending of American steel, iron and finished goods to this country—it has caused American firms to come over here to buy raw material. At the same time, they are so busy supplying the needs of their own country that they have almost ceased to be rivals for orders in Canada, Australia and other colonial markets. The result has been the receipt of heavy orders from Canada—in particular for steel—which at one time would have been supplied from the States. Manufacturers who look ahead are wondering what will happen when the American power of production has overtaken American requirements and American firms begin to look round for markets as 'dumping grounds' for their surplus output. Then the 'slump' will begin, for we on this side have also been enlarging old works and building new ones, which, when the tide turns, as it is sure to do, may be 'white elephants' on their owners' hands. Sanguine souls, who refuse to believe that evil days will follow the good ones, laugh at their machinery being idle in a year or two. Meanwhile the laugh is with them, for there is more work than workers, and orders pour in unsought."

WHAT IS LYDDITE?

Referring to the reports that the Boer generals have protested against the use of lyddite as inhuman, The London Graphic says: "The high explosive thus called from the name of the small Kentish town and gunnery centre where the experiments with it were made is nothing else than picric acid brought into a dense state by fusion. Picric acid is a bright yellow substance freely used in peaceful industries for dyeing purposes. It is obtained by the action of nitric acid on phenol or carbolic acid. It burns very violently, and, owing to the tremendous blast produced by the explosion, the destructive effect of a bursting shell filled with it is some eleven times greater than that of a shell filled with powder. Common shells of forged steel filled with lyddite are used with 6 and 9 2-inch breech-loading guns, and with howitzers; also with 4 to 6 inch quick-firing guns.

"All lyddite shells are equipped with percussion nose fuses only; hence their explosion takes place on impact in the following fashion: The percussion fuse ignites a picric powder exploder, which in turn ignites the bursting charge of lyddite, the detonation of the fuse and of the two explosives inside the shell being instantaneous. The picric powder exploder, we should add, is inserted in a recess left in the lyddite for that purpose. Lyddite shell is to some extent less barbarous than shrapnel exploded by powder, for, though widespread, its death-dealing effects are due more to air-concussion than to the wounding effects of the flying fragments. In other words, in the case of a lyddite shell bursting in a group of men, the greater number will be killed not by pieces of the shell, but by the blow of the suddenly compressed air."

ESTABLISHED 1860 INCORPORATED 1895

"EUREKA" STEEL SAP SPOUTS

Patented 1896



Cut Shows Full Size of Spout

Economical, durable and cheap. Holds the bucket safely and securely. Prevents all leakage and waste. Easily inserted, does not injure the tree, and secures full flow of sap.

Neatly packed in cardboard boxes, 100 each. Made in Berlin Bronze, 24, 22, 20 gauge; Tinned Steel, 20 gauge.

The Thos. Davidson Mfg. Co., Limited, Montreal.

About "C" Horse-Nails.

We ask your consideration of the following reasons for our making the claim that the "C" brand horse-nails made by our company since 1865 is the best for you to buy.

First:—The material of which they are made. It is the best obtainable—Swedish charcoal steel nail roads—made especially for our work, and imported direct by us from Sweden. We unhesitatingly affirm, that no better material is used by any manufacturer of horse-nails in the world for this purpose.

Second:—The process of manufacture. We forge the nails to the desired pattern from the nail rods while they are hot, and therefore in a malleable condition. Our process thoroughly hammers and consolidates the nail, making it tough and enduring: no other method will do this as satisfactorily. After forging, there are several processes for polishing, rolling, pointing and finishing the nails: our methods differ from those used elsewhere in Canada, and we are satisfied, with much better results.

Third:—When the nails are finished, they are subject to a final careful examination and sorting by hand, so as to prevent a single imperfect nail being found in a box bearing our "C" brand.

Fourth:—We guarantee to every purchaser, that each box of horse-nails bearing our name and trade mark (the letter "C") is perfect and ready for immediate use. They may be returned at our expense if found otherwise.

Any dealer who wishes to secure the farrier trade, can do so by selling the best horse-nails: The "C" brand will be found the best.

We ask those who wish to favour us with their orders, through any wholesale hardware merchant, to be particular and specify for the "C" brand made by the

CANADA HORSE NAIL COMPANY
MONTREAL

MANITOBA MARKETS.

WINNIPEG, November 27, 1899.

THE weather continues very mild and warm, and the building trade is taking full advantage of the extended season. Bricklaying is still proceeding briskly.

The Commercial Travelers' Association have held their annual meeting. Mr. W. Hargreaves is the newly elected president. The association have decided not to hold an annual ball this year, but to concentrate their energies on an excursion to the Coast next summer,

The hardware business is good in all lines, but the week has not shown many changes in price. Rope has pulled up ½c. after the big drop of last week. Shot has advanced another ¼c. over last week's price.

Glass is still very, very scarce. Freight arrives slowly, and there is constant complaint that goods are not arriving with anything like the promptitude that should be expected. Many cars are two and three weeks overdue.

The price list for the week is as follows :

Barbed wire, 100 lb	$3 75
Plain twist	3 75
Staples	4 25
Oiled annealed wire 10	4 02
" 11	4 09
" 12	4 15
" 13	4 30
" 14	4 42
" 15	4 55
Wire nails, 30 to 60 dy, keg	3 80
" 16 and 20	3 85
" 10	3 90
" 8	3 95
" 6	4 10
" 4	4 15
" 3	4 20
Cut nails, 30 to 60 dy.	3 15
" 20 to 40	3 20
" 10 to 16	3 25
" 8	3 30
" 6	3 35
" 4	3 65
" 3	3 90
" 3 fine	4 20
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No 1	4 70
No. 2 and larger	4 45
Snow shoes, No. 0 to No. 1	4 95
No. 2 and larger	4 70
Steel, No. 0 to No. 1	5 00
No. 2 and larger	4 75
Bar and band iron, $3.00 basis.	
Swedish iron, $5 basis.	
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 20 gauge, 100 lb.	3 50
20 to 26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 gauge	4 25
18 to 22 gauge	4 50
24 gauge	4 75
26 gauge	5 00
28 gauge	5 25
Genuine Russian, lb.	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 55
26 gauge	8 80
28 gauge	8 00
Tinplate, IC charcoal, 20 x 28, box	10 50
" IX "	12 50
" IXX "	14 50
Ingot tin	38
Canada plate, 18 x 21 and 18 x 24	3 35
Sheet zinc, cask lots, 100 lb	9 00
Broken lots	9 50
Pig lead, 100 lb.	4 50
Wrought pipe, black up to 2 inch	50 p.c.
" Over 2 inch	45 p.c.
Rope, sisal, 7-16 and larger	12 00
" ⅜	12 50
" ¼ and 5-16	12 00
Manila, 7-16 and larger	14 50
" ⅜	15 00
" ¼ and 5-16	15 50
Solder	23
Cotton rope, all sizes, lb.	16
Axes, per box	$6.00 to 8 00
Screws, flat head, iron, bright	75 and 10 p.c.
Round " "	70 p.c.
Flat " brass	70 p.c.
Round " "	60 and 5 p.c.
Coach	57½ p.c.
Bolts, carriage 5-16 and smaller	42½ p.c.
⅜ and larger	37½ p.c.
Machine	45 p.c.
Tire	55 p.c.
Sleigh shoe	65 p.c.
Plough	40 p.c.
Rivets, iron	37½ p.c.
Copper, No. 8, lb.	33½ c.
Spades and shovels	40 p.c.
Harvest tools	50, 10 and 5 p.c.
Axe handles, turned, s. g. hickory, doz.	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 65
No. 1	1 25
Linseed oil, raw, per gal	62
" boiled "	65
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	40 p.c.
C.F. pistol	10 p.c.
C.F. military	Net.
Loaded shells, Robin Hood, M	$20 00
Eley's soft, 12 gauge	15 00
chilled, 12 guage	16 50
soft, 10 guage	20 00
chilled, 10 guage	21 00
American, M	16 25
Shot, Ordinary, per 100 lb	5 50
Chilled	6 00
Powder, F.F., keg	4 75
F.F.G.	5 00
Robin Hood	10 00
Tinware, pressed, retinned	70 and 2½ p.c.
" " plain	70 and 15 p.c.
Graniteware, according to quality	60 p.c.
Turpentine, by barrel	81c.
Less than barrel	86c.

GAS DRIVEN ELECTRIC PLANT.

An interesting feature of the public service of Zurich and the neighborhood is the power plant at Oerliken, which furnishes current for the street railway lines. The installation at present includes one gas generator of 200 horse-power, and two of 100 horse-power. The generators burn Belgian anthracite from the Liege district. The gas is washed and passes through coke scrubbers and sawdust. No smell of tar is noticed, and no trouble seems to arise in the gas engines which, like the generators, come from the Maschinenfabrik Deutz. The three engines of 125 horse-power, drive, each, a compound four-pole continuous-current generator for 550 volts, at 180 revolutions. A battery of 280 Tudor cells is connected in parallel to the dynamos. The regulating cells are changed by a motor-generator.

The guide-book furnishes the following information regarding this station, which belongs to the Zurich Oerliken-Seebach system : Coal consumed per effective horse-power of the gas engines, 0.65 kilogramme (1.4 lb.) ; each train makes 161 kilometers (100 miles) per day ; the line having a length of 5 miles and a rolling stock of 20 cars, of which, as a rule, only 10 are running. With 3.2 passengers per car-kilometer, the income is 43 centimes per car-kilometer, and the cost amounts to 34.4 centimes.

FOR SALE.

$7,000 will buy a first-class Hardware, Stove and Tinware Business with Tinshop and Tools ; Established nearly 4 years, with rapid and steady increase of sales. Satisfactory reasons, and full particulars given on application to Box 18, Hartland, N.B. (49)

FOR SALE.

FOR SALE CHEAP—U. S. AND CANADA Patent on Fireproof Fence Post Supports ; all kinds of wire and boards, suitable for lawn, railroad and farm fencing ; easily and cheaply manufactured. Prices and full particulars, address, John Riggs, Sheridan, Oklahoma, U.S.A.



If you Want to Learn Anything About Advertising,

if you are a business man and get or want to get business by any kind of advertising, and want to know **how to advertise and make money** ; or if you are an employe and expect to go into business for yourself ; or if you want to get into a new and profitable profession—we furnish the foundation—the accumulated knowledge on the subject. Investigation costs you nothing. Invaluable information will be sent **Free.**

Address Advertising World Publicity Club, Columbus, O.

THE OAKVILLE BASKET CO.,



Manufacturers of

1, 2, 3 Bushel

Grain

AND

Root

BASKETS

THE OAKVILLE BASKET CO.

Buy the Best.



HERCULES

Sash Cord.

Star Brand Cotton Rope

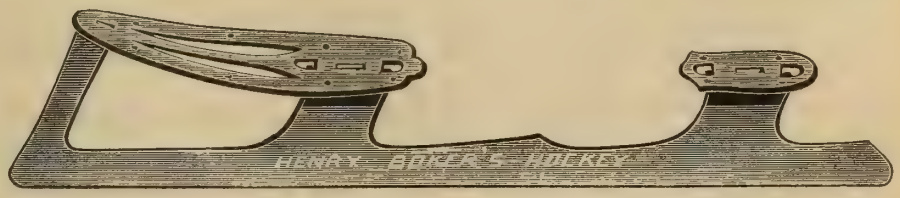
Star Brand Cotton Clothes Lines

Star Brand Cotton Twine

For Sale by all Wholesale Dealers

BOKER'S HOCKEY SKATES

1900



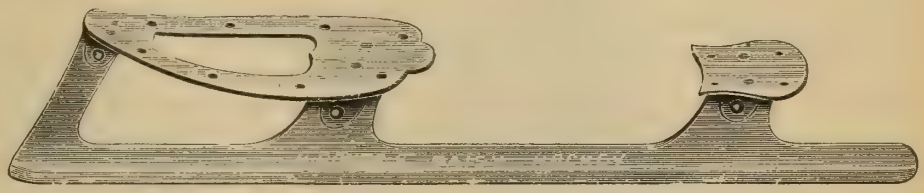
No. 510½ Plain,
No. 511 Polished.

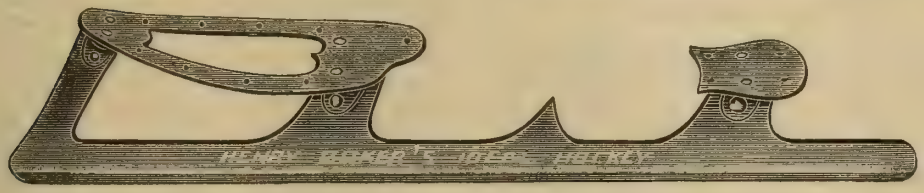
The best low-priced Hockey Skate on the market.



No. 531 Polished,
No. 532 Nickel Plated.

Good quality for all-round use.



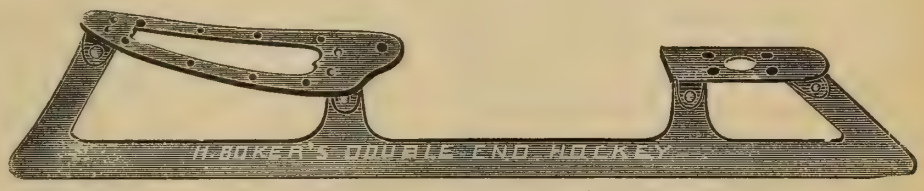


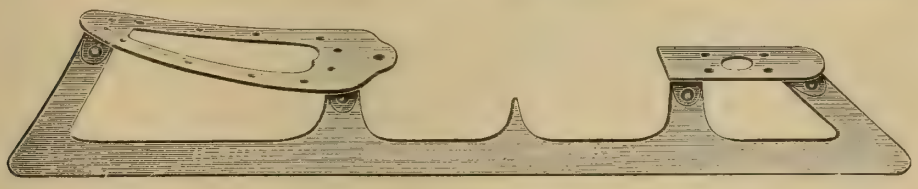
No. 534 Nickel Plated.

Best quality, concave blades, welded steel runners.

No. 639 Nickel Plated.

Double extra quality, concave blades with puck stopper, improved toe plates, cup brackets.





No. 592 Nickel Plated.

Best quality, double end with improved toe plates.

No. 697 Monarch.

Double extra quality, thin blades with puck stopper.

. . . TRADE SUPPLIED BY . . .

RICE LEWIS & SON

. . . LIMITED

TORONTO.

A NEW ANTI-RUST.

AMONG recent discoveries, according to a writer in American Manufacturer, is a chemical preparation, which, used as an anti-rust, is superior to anything I have ever seen applied for covering polished surfaces. The discovery was made by Mr. W. A. McCool, of Beaver Falls. Its discovery is of such recent date that no name has been given the substance. It is doubtful if the article will be patented, as it is believed that the ingredients can be kept a secret, and, in a measure, defy chemical analyses.

The preparation is a liquid, quite thin, and for preventing rust or tarnish of bright surfaces far surpasses any of the gummy, greasy substances that are used to cover products of manufacture of a finished character. The stuff is absolutely transparent, which makes it most valuable for covering tools, machinery, etc., placed on exhibition in warerooms where handling by customers is constant, and where a man is required to be continually wiping off the parts handled to save the surfaces from rusting and giving the samples a second-hand appearance.

This covering need not be removed after it has been applied, as it acts as a shellac, but is of greater value as it excludes air preventing oxidation. Water will not affect it, and its removal can only be accomplished by gasoline, benzine or similar oils. Some time ago a number of polished pieces were dipped in the preparation and left outdoors for exhibition purposes. One end was not dipped. It is needless to say that the surfaces beneath the coating are as bright as the day they were set out, while at the end not coated oxidation has set in and the metal is covered with a mass of rust. This is only one of the many similar experiments that have shown its efficiency.

While Mr. McCool was at work on the preparation, he, desiring to protect polished steel tubes, etc., could not quite accomplish the object he sought, althought he succeeded in securing a superior preparation to anything heretofore marketed, the writer made several suggestions to him about using other chemicals in conjunction, and success attended his efforts.

Past efforts in the preparation of anti-rust have been confined to securing pasty preparations, nasty to handle and equally hard to remove. The surfaces to be protected were not always benefited by the coatings, if such were allowed to remain on for any length of time. The proper protection of machine tools has been a problem sought by every machine-shop in the land. In using the new nameless preparation, I find that it dries almost as soon as it is applied, so that the articles coated can be handled immediately and there is no danger of rubbing the coating off. I have taken fresh eggs and coated them with the preparation and after three months' time these have been found to be absolutely fresh. This can only be done by absolutely shutting out the air, and this I consider one of the best tests the coating has been subjected to.

BUSINESS FORCE OF ADVERTISING.

BY MR. ROBERT C. OGDEN.

IF I should undertake to make an analysis of retail business, I should divide the subject into three parts :

The Merchandise ;
The Service ;
The Advertising.

Each of them is equal in importance to the others, but I should characterize the advertising as the dynamic power of a business. With the public mind fixed upon business as it now is, with the competition that exists between traders, it is undoubtedly the fact that, without advertising of the proper kind, a business cannot be successfully prosecuted to any large degree. Therefore, I consider the advertising as

THE FORCE THAT IS TO VITALIZE

all the other work that may be put into a business. After the merchandise is purchased, after the service is constructed, the steam that is generated in order to make the machine move is the advertising.

I should say that one mistake of the merchant is, that he does not take advertising sufficiently seriously. It is regarded as an element that is somehow important, but yet a little strange. It is not thought of, I think, generally, as holding the very serious and important relation to the public at large and to the business itself that it really should occupy. Therefore, I think that a retail merchant cannot possibly exaggerate to his own mind the importance of the relation of his advertising to his business.

One most important thing is this. When a man has anything which he wishes to bring before the public eye for sale, he is an Ishmaelite.

EVERY MAN'S HAND IS AGAINST HIM.

The servant he meets at the door, the butler that he reaches after passing the servant at the door, are against him, and if his printed matter reaches the owner of the house, it is as often as not put in the waste basket. Every element within the house is combined to prevent what he may send through the mail reaching the person for whose eye it is intended. Therefore, the influences of the residence are all against him. To reach the eye of the recipient he must appeal to his taste. If he displays anything in the shape of a poster, it must be done in such artistic style that it will arrest the attention of the passer-by.

Another experience that exists largely in ordinary advertising is the waste of money. There have been many calculations concerning the vast sums of money expended upon advertising in this country. I do not recall what their magnitude is, but the figures compiled by intelligent observers are really astounding. I think if we could manage to analyze that expenditure of money, we would find that a vast percentage of it, probably one half, is entirely wasted. One reason for this waste is that the advertiser does not regard his advertising with sufficient respect. If he would take it more seriously, he would study its principles and its methods, and would save a great deal of money.

The column of the newspaper is

THE MERCHANT'S ROSTRUM.

It is his pulpit. It is his stump. From that he addresses the public at large. From that he speaks to his constituency, to his audience. Advertising is the channel through which the merchant speaks to the people he desires to address. His advertising is the test of his character. It must be true. As he speaks, and as the people have an opportunity to judge of the truth of his printed utterances day by day they will form their estimate of his character. His character is the soul of his advertising ; and therefore it must always be true.

But if a man does not intend to waste his money in advertising, he should be sure that it never is stupid. It should be put in simple and forceful language.

As the subject-matter of the advertising ought to be good English, and the illustration, if illustration is used, ought to be good art, so the printing ought to be good typography. It is best always for a continuous advertiser—and no advertising is valuable unless it is continuous—to use good, bold, clear, legible type, easily read, but characteristic, so that whenever the paper is opened the reader will know at once that it is Jones', whether he sees Jones' name or not. And if Jones has a literary character and a moral character, you will be very apt to read what Jones has to say.

[Mr. Ogden has charge of the advertising for John Wanamaker, New York.—Editor HARDWARE AND METAL.]

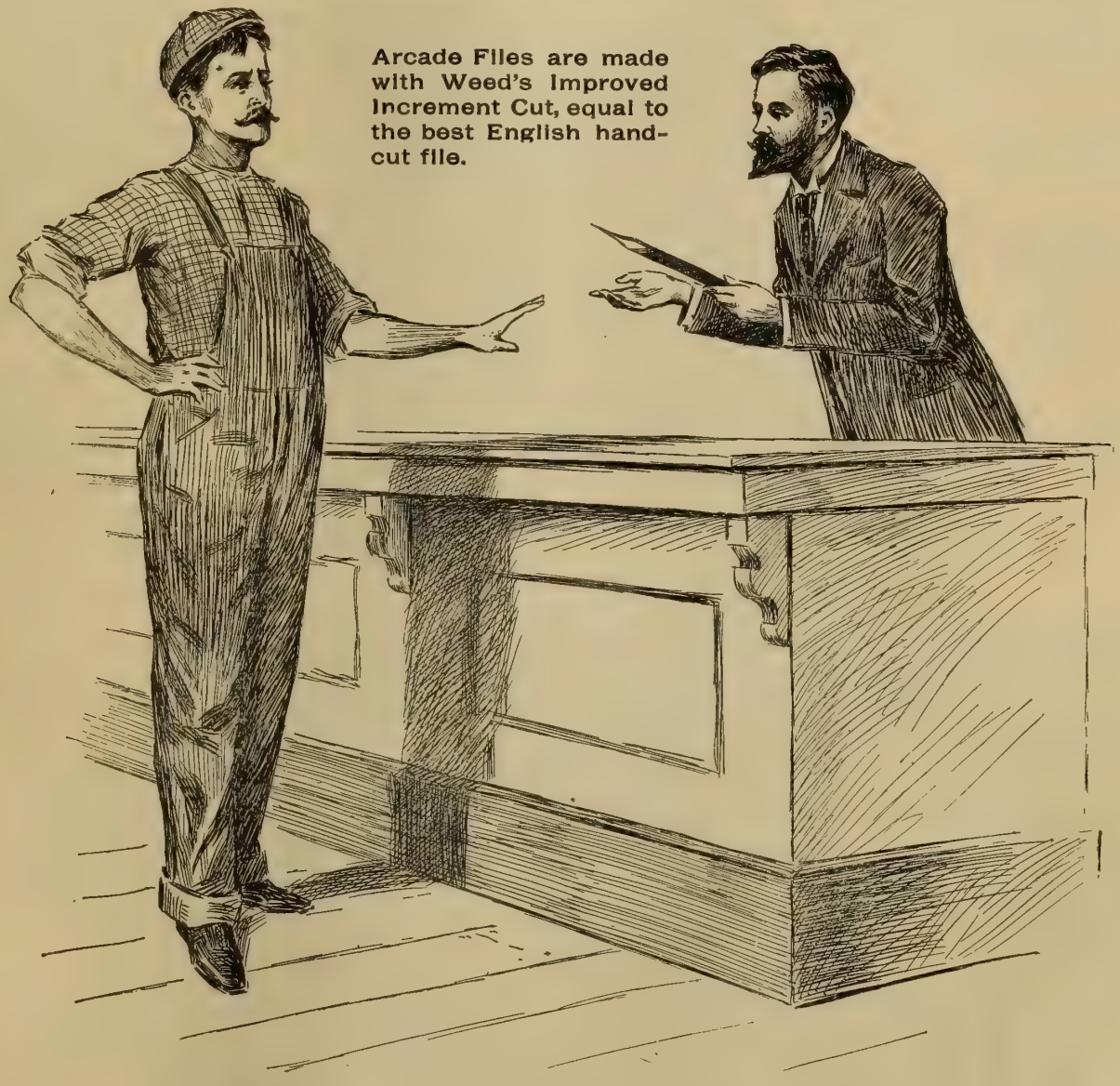
Acting for a Toronto syndicate, Ald. Darcy Scott, Ottawa, purchased the Walker plumbago mines at Buckingham, Que., for $70,000. The property is 1,200 acres in extent, consisting of valuable plumbago deposits, with a large factory and complete machinery for the manufacture of graphite.

The WORLD'S GREATEST FILE WORKS

ESTABLISHED 1842.

There is no other file "just as good."

THE ARCADE IS THE BEST



Arcade Files are made with Weed's Improved Increment Cut, equal to the best English hand-cut file.

"I want an ARCADE file."
"We are all out of ARCADE files. Try this; it is just as good."
"No, Sir. I want the ARCADE. It cuts faster and wears longer than any other file made."

NEW YORK:
97 Chambers St.
SAMUEL W. ALLERTON,
President.

THE ARCADE FILE WORKS

Works: ANDERSON, IND.
COURTLANDT C. CLARKE,
Sec. and Treas.

CHICAGO:
118 Lake Street.
ALFRED WEED,
Vice-President and Gen'l Mgr.

PROTECTING CHECKS.

ACCORDING to The London Post, Mr. Frank Nowlan has proved to the satisfaction of himself and many to whom he has exhibited his work, that none of the existing methods of protecting checks is of any use whatever, if the forger only knows his business. Growing out of his experiments in this direction, he has produced what he considers the absolutely safe check, which is described as follows :

When held to the light it will be seen that in the parts intended to be written on there are colored lines, very much like the lines on which musicians write their manuscripts. The Nowlan check consists of two pieces of paper. On one of these the lines are ruled with an ink of India red, or any other prominent color, mixed with an easy soluble mucilage. The second piece is laid on over these lines. In other words, the check consists of two pieces of paper superimposed, united by mucilage, with lines on the inner surface of one of the two pieces. As soon as any liquid reagent is applied, in order to remove the writing on the surface, the mucilage between the two sheets becomes moist. The color then no longer keeps to the lines, but wanders and forms blots and blurs, which are visible on both sides of the check and can in no wise be removed. Mr. Nowlan's invention was, a short time since, submitted to the London Bankers' Association, all the members of which, we are informed, being greatly pleased with the simplicity and certainty of the method exhibited for preventing check alterations.

NEW YORK METAL MARKET.

PIG TIN—There was a slightly firmer tone to the market, due chiefly to small importations at this port since November 1 and somewhat stronger cable advices from the London market. Merely fair business was reported here, and that mostly of a jobbing nature. Latest dealings were at prices in line with 27.60 to 27.65 for 5-ton lots, ex store.

COPPER—Private advices reported more activity in the London market, yet no unusual movement, but nothing out of the usual line of business or negotiation in the new York market came to the surface. Prices remained steady, however, at 17 to 17¼c. for Lake Superior ingot and 16¾ to 17c. for other varieties, prompt or near future delivery.

PIG LEAD—There is only slight change in the real situation of the market, despite endeavors of certain interests to make it appear otherwise. Orders for large lots would have been filled at 4.60c. by the Smelting Company. and single carloads on spot at 4.62½ to 4.65c. in several quarters.

SPELTER—Little or no business is passing here in larger lots than single carloads and advices from the West were very tame. Prices are barely steady at about 4.45 to 4,55c. for ordinary Western, delivered here.

ANTIMONY—Regulus is steady at 9¼ a 11c. as to brand and quantity, with very fair business, mostly in jobbing way.

TINPLATE—There is still an absence of any really new feature. Dealings are on a moderate scale and prices remain steady.

IRON AND STEEL—There were no really new developments in pig iron or in finished iron or steel. Business is fairly good, yet not out of ordinary lines, and prices remain almost stationary.

The Toronto Silver Plate Co., Limited

"THE GOODERHAM COMPANY" | SILVERSMITHS and MANUFACTURERS of Electro Silver Plate.

STERLING SILVER MOUNTED CANES.



2223, Horn Congo, $5.00 List.
2236, Penang, $4 00 List.
2222, Horn Penang, $5.00 List.
2230, Partridge, $2.90 List.

2229, Bamboo, $5.00 List.
2231, Faltah, $3.00 List.

2221, Horn Penang, $5 00 List.
2234, Penang, $4 00 List.
2232, Borneo, $5.00 List.
2223, Penang, $5.00 List.

Our line of : : :

Sterling Silver Mounted Canes

—and—

Umbrellas

is now very complete.

Prices attached to these illustrations are list, and subject to our usual Hollow Ware Trade Discount. . . . . .

Factories and Salesrooms,
King St. West,
Toronto, Canada.

E. G. GOODERHAM
Managing Director.

..THE..

"Good Cheer Art"

BASE BURNER

..FOR 1899.

THE MOST ATTRACTIVE AND BEST GRADED MEDIUM-PRICED BASE BURNER UPON THE MARKET.

ITS HEATING CAPACITY AND ECONOMY OF FUEL ARE UNEQUALLED.

THE FIRE POT CAN BE EASILY REMOVED THROUGH THE SIDE DOORS.

THE MOUNTING, FINISH AND OPERATION OF THIS STOVE ARE GUARANTEED TO BE FIRST-CLASS IN EVERY PARTICULAR.



It has The Improved Ransom Duplex Grate

All Body Nickel Work is Self Mounting

WITH AND WITHOUT OVEN.

EVERY STOVE A DOUBLE HEATER.

EVERY OVEN OF SHEET STEEL.

THE JAMES STEWART MFG. CO., LIMITED, WOODSTOCK.

HEATING AND PLUMBING

TRAP VENTILATION FOR A PANTRY SINK.

A BOSTON correspondent of Sanitary Plumber recently wrote that journal as follows: "There is a butler's pantry sink in a three-storey and basement building in which I have done some work, and from the odors occasionally found therein the family doctor says that sewer air finds entrance some way. I do not know where the trouble is, unless that the vent from the trap—a 2-inch pipe—does not act properly at times. What is your opinion? Is the vent-line, considering its height—about 40 feet to the roof—large enough for practical purposes? The sink in question is too far away from the rising 3-inch vent-pipe line to make a connection. How would a bottle trap do instead of the S trap, and have no ventilating pipe?"

The following answer was given: "We verily believe that there are 'stock' questions in connection with sanitation which are never doomed to rest quietly for any length of time. One of these is 'trap ventilation,' which every now and then 'bobs up serenely' to elicit some favorable opinion, or to be well nigh crushed out by some hackneyed denunciation. In answer to this recent question we would once more state that it has been repeatedly demonstrated by actual experiment that inverted traps—that is, the ordinary S or half-S trap—will be tolerably certain to siphon out. There is no question but there must be an admission of air to the sewer side of the trap to counteract the atmospheric pressure at the inlet side, and the quicker the column of air in the vent can be made to respond to the demands required of it, the quicker the siphonage will be broken. As to the substitution of a bottle trap as a preventative of siphonage for the S trap, we do not recommend it on account of its non-scouring properties. We believe non-siphonage traps, having large unscoured areas, are safer if let alone. In our opinion, the McClellan anti-siphon inlet is the best appliance for the situation referred to. It obviates the necessity of the long line of pipe contemplated and responds instantaneously, is comparatively inexpensive, and can readily be attached to any sink or basin-trap. We do not say a word in its favor beyond what those who have used it will indorse, and we recommend its trial."

CRACKING OF CRUCIBLES.

The cause of the frequent cracking of crucibles, remarks an exchange, may be traced to the fact that the walls contain moisture. With quick heating, the moisture is transformed into steam, which cannot escape quickly enough, and, in consequence of overheating, expands, until, finally, the walls of the crucible can no longer resist it, thus causing the cracking at the largest diameter. In order to guard against this evil, it is advisable to heat the crucible slowly before use, so that the moisture held in its walls can evaporate. According to a German metallurgical contemporary, this previous heating should be done, even if the crucible is well dried out, not having been used for melting, but kept in damp and cold rooms.

ASBESTOS PAPER ON FURNACE PIPE

In answer to the inquiry of "H. E. M." in regard to covering hot air pipe with asbestos paper, I give the following as my experience and practice. In doing the work, place on the left arm a coil of small black wire with the end run out a few feet. In the right side pocket, convenient for free use, have a small pair of circular snips, which are better for wire-cutting and quick-handling than wire-cutting nippers. In the breast pocket have a pair of flat nose pliers. Cut the asbestos paper in lengths suitable to cover the pipe with a little lap. Commence where the hot air pipe connects with the flue or register box. Run the paper around it and hold it with the fingers of the left hand, and with the right hand run the unwound wire around the pipe and give it a twist or two so that both hands may be free. Pull out the snips, cut the wire and then drop them back into the pocket. Take out the pliers, then with both hands smooth the paper on the pipe and use the pliers to draw the wire up tight. The wire should be put on the pipe every 8, 10 or 12 inches, according to the size of the pipe and the weight of the paper. This method can be repeated until the paper covers the pipe all the way to the furnace. My reason for using wire instead of paste is this: Some day somebody will be called upon to take down those pipes, and woe be unto him if the asbestos paper is pasted on to the pipes. The dirt that will be made, the time that will be wasted and the patience that will be exhausted, even if no swearing is done, will be enormous. I have been there and know something about it. If the paper is secured to the pipe by wires it is a simple matter to take a chisel or screw driver and slip under the wire, and, giving it a little twist, snap it and let the paper drop off clean and whole. The paper will also be ready for use again when the pipes are put up. So I say by all means wire the asbestos paper on the pipes, whether they are run in the cellar or put up in partitions.—"C. B. G." in Metal Worker.

BUILDING PERMITS.

Building permits have been issued in Toronto to the Ontario Power & Flats Co. for repairing building burned at rear of 103 Niagara street, $2,000; to Charles Boeckh, for a two-storey and attic residence on St. George street near Bloor, $8,000; to the Toronto General Hospital, for a five-storey brick and stone nurses' home on Gerrard street, near Sackville, $15,000; to John T. Urquhart for a pair of two-storey stores and dwellings at the corner of Dunn avenue and Huxley street, $3,000; to F. R. Gregory for a two-storey brick residence on Simpson avenue, near Howland, $1,200; to the York County Loan & Savings Co. for four detached stone and brick residences at 212, 216, 220 and 224 Wright avenue, $10,000.

PENNY-IN-THE-SLOT METERS.

The penny-in-the-slot gas meter, introduced a few years ago, has been an astonishing success, and a further development of the idea is now being tried, says Sanitary Plumber. One London gas company alone has nearly 90,000 customers using the system, and are adding to them at the rate of 300 or 400 a week. These are all penny customers, and they bring into the company's exchequer about £200,000 a year. So satisfied are the company with the result of their new departure, that, we read, they are now getting out "shilling-in-the-slot" and "half-crown-in-the-slot" meters for customers.

PLUMBING AND HEATING NOTES.

Cook & Sweet, contractors, Vancouver, have dissolved.

The Fraser block, Kemptville, Ont., is undergoing repairs.

Purser & Son, plumbers, Windsor, Ont., have dissolved, J. E. Purser continuing.

A. R. Waterfall, J. H. Patton and J. and T. Crofts have registered partnership in Vancouver under the style of the Boston Acetylene Gas Generator Co.

The ratepayers of Wolfville, N.S., have decided to spend $9,000 in the purchase of a site and the erection of a town hall, with provision also for housing fire apparatus.

BONDS ARE FRATERNAL.

THE following descriptive report of the annual banquet of The Sherwin-Williams Co. appeared in a recent issue of The Cleveland Leader :

"Beneath the draped flags of the United States and Great Britain 400 employes of The Sherwin-Williams Paint Co. stood, on the evening of September 15, and sang first 'America' and then 'God Save the Queen.' This was the opening ceremony of the banquet that was the leading feature of the annual convention of the selling representatives of the company, which has been in session in this city all the week.

"The banquet was spread in the auditorium of the Chamber of Commerce. The hall was handsomely decorated with 'Old Glory,' the British Union Jack, and the trade flag of The Sherwin-Williams Co. On the tables there were handsome flowers. Covers were laid for 400,

ALL THE EMPLOYES

of the company. The British ensign was given a place in the decorations out of respect to the representatives of the Canadian houses of the company.

"President H. A. Sherwin, the head of the company, presided, and, in opening the exercises that followed the discussion of the banquet, said that the occasion was to him one of great rejoicing.

"He wished to congratulate the company's employes, and he wished the employes to congratulate him. It was especially fitting, he said, that the banquet being so distinctively commercial in its character, should be held in the Chamber of Commerce, a building devoted to commercial interests.

"Mr. Sherwin introduced Rev. Dr. H. C. Hayden, of the Old Stone Church, who made a bright and witty address that was greeted with repeated peals of laughter. J. G. W. Cowles gave another address that brimmed with good humor. He spoke of the impressive character of the occasion and said ; 'I am glad to be present at this banquet, where I see you all together.

EMPLOYERS AND EMPLOYES.

I wish the day might come when the officials and employes of the Big Consolidated company would show such a spirit as you show here to-night. That spirit removes the possibility of strikes.'

"Hon. James A. Garfield followed with an interesting speech and then General Manager Walter H. Cottingham spoke.

"'The officers of this company,' he said, 'do not believe in the spirit of trusts. This company is able to stand alone. The company has been approached often with propositions to enter into trusts or combinations, but it has always refused to listen to the suggestion. The only kind of trust in which we are able to see any good is a trust for our employes. We believe in the consolidation of the interests of our employes with the interests of the company, but not in the trusts or combinations that shut down factories and throw people out of employment.'

"The closing feature of the evening was interesting. It was the exhibition on a large screen of several hundred stereopticon pictures made from snap shots taken by S. P. Fenn, treasurer of the company, during a trip around the world which he recently finished. As the pictures were thrown on the screen Mr. Fenn described them."

HAS WON FAME WITH MERCHANTS.

One of the most unique articles of the present age and one that has met with unbounded success all over the continent is the Boeckh Patent Adjustable Display Table. They are in use by nearly every dealer, wholesale and retail, who has up-to-date ideas of store decorating and window displays. Merchants who have them in use say they now sell more goods in a day than they formerly could in a week. Owing to their neatness in design, and finish in several colors of wood to match store fixtures or counters, and several angles and positions which they can be easily adjusted to, they are found suitable for any lines of business, and are seen all over Canada, from ocean to ocean.

HARDWARE AND METAL is informed by the manufacturers, Boeckh Bros. & Company, of Toronto, that sales are constantly on the increase, both through their travelers and letter orders. Messrs. Boeckh issue a neat illustrated booklet showing 11 different styles and designs, also valuable illustrations and ideas how to decorate stores or windows.

NOVEMBER PANSIES IN MANITOBA.

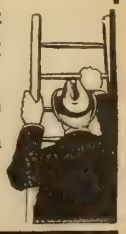
A striking evidence of the mildness of Manitoba weather is a bunch of pansies brought into the Free Press office yesterday. They were plucked from an open air garden.—Free Press, Winnipeg, November 22.

AN EXPERT'S INCOME

is within easy reach of anyone who will study "between times" and learn his business or trade thoroughly. Thousands of young men and women, prepared by us and now holding high-salaried positions, cannot endorse too strongly our unequaled course of

EDUCATION BY MAIL

in Electrical, Mechanical, Steam, Mining and Civil Engineering; Metallurgy, Art Architecture, Practical Newspaper Work, English Branches Stenography, Machine Design and Mechanical Drawing. Low price; easy terms.



Sent free to those who enroll now, a complete Drawing Outfit worth $11.10.

Mention subjects you are interested in when writing to

The United Correspondence Schools,
151 Fifth Ave., New York,
for Catalogue No. 108.

FOR SALE.

A NEW MARLIN RIFLE

Never been used. Just the Rifle for practice. Price $30. Will take $20.

19 Board of Trade, Montreal.

The Syracuse Smelting Works

ARE MANUFACTURERS OF

Plumbers' and Tinsmiths' Solder

of highest quality. Highest market prices paid for old Brass and Copper.

SYRACUSE SMELTING WORKS

MONTREAL.

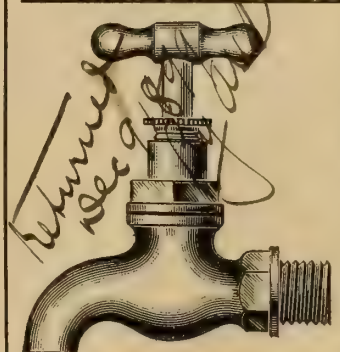
Sizes, ⅜ and ½-inch.



Cheapest IN THE WORLD.

J. M. LITCHFIELD
105 Beekman St., New York.

Made with 1½-inch shank with thread and nut.



The Imperial Faucet

With improved loose valve—easily renewed.

UNIQUE DESIGN.

WELL MADE.

Manufactured by

The James Morrison Brass Mfg. Co., Limited.

PERSONS addressing advertisers will kindly mention having seen their advertisement in Canadian Hardware and Metal Merchant.

Toronto Foundry Co.

Manufacturers of SOIL PIPE, FITTINGS, SINKS, BOILER STANDS.

Nos. 146-148-150 Niagara Street, TORONTO

The only Exclusive Manufacturers of Soil Pipe and Soil Pipe Fittings in Canada. . . . . .

All goods stamped T. F. Co. are warranted

Mackenzie Bros.,

Hardware Brokers and Manufacturers' Agents,
...WINNIPEG

CAN HANDLE GOOD LINES ON COMMISSION.

Travellers covering Manitoba, N.W.T., and British Columbia.

During December a personal interview can be arranged by addressing our Mr. Gordon Mackenzie, care of Mackenzie, Milne & Co., Sarnia, Ont.

IMPROVED
Labor-Saving
CARPENTERS' TOOLS.

STANLEY
RULE & LEVEL CO.
New Britain, Conn.

SOLD BY ALL
Hardware Dealers

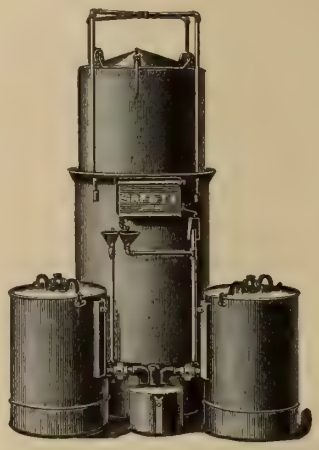
Stanley's Adjustable Circular Plane.



This Plane has a Flexible Steel Face, which can be easily shaped to any required arc, either concave or convex, by turning the Knob on the front of he Plane.

No. 113. Adjustable Circular Plane, 1¾ in. Cutter, $4.00





The "SAFETY"
ACETYLENE GAS MACHINE
manufactured by
The Safety Light & Heat Co.
DUNDAS, ONT.

What some of our friends say of us:

Gentlemen,—The Cliff-Wardlaw Acetylene Gas Machine bought from you six months ago is giving every satisfaction. If instructions are followed it is a machine that does its work well and does not get out of order. I am very much pleased with it.

J. W. WATSON, General Merchant,
Minden, Ont.

There are 205 in successful operation in Canada.

THE FALL TRADE

To secure thoroughly reliable goods send your orders for

Ready-Mixed House and Floor Paints,
Varnishes, Japans, Coach Colors,
White Lead, Colored Paints, Enamels,
Wood Stains, Wall Tints, Putty, etc.

To Henderson & Potts,

NOVA SCOTIA PAINT AND VARNISH WORKS,

HALIFAX, and 747 Craig St., MONTREAL.

Sole Agents for the Dominion for **Brandram's Celebrated White Lead.**

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, Montreal.

Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates, Galvanized Sheets, Imitation Russia Sheets Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.



VanTuyl & Fairbank

Petrolia, Ont.

Headquarters for . .

Oil and Artesian Well Pumps, Casing, Tubing Fittings, Drilling Tools, Tables, etc.

R. C. LeVESCONTE

Barrister, Solicitor, Notary, Etc.

THE McKINNON BUILDING
Cor. Jordan and Melinda Streets

. . . TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.

No. 3 Patent Well.

"Oil wont spill if upset."



Manufactured by

E. T. WRIGHT & CO.

Hamilton, Canada.

Send for New Catalogue.

TRADE MARK J REGISTERED

"JARDINE" TIRE UPSETTERS WILL UPSET TIRES

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.
HESPELER, ONT.



B. B. Wrought Ornamental Pipe Straps.

(PATENTED)

MADE ALSO IN MALLEABLE IRON.

These are a distinct advance over the old plain straps, being much stronger and neater.

Write for Catalogue and Prices.

BERGER BROS. CO.

Tinners' Hardware and Roofers' Supplies,

Factory at Germantown Junction. PHILADELPHIA. Office and Stores, 231 and 237 Arch Street

HARRINGTON & RICHARDSON ARMS CO.

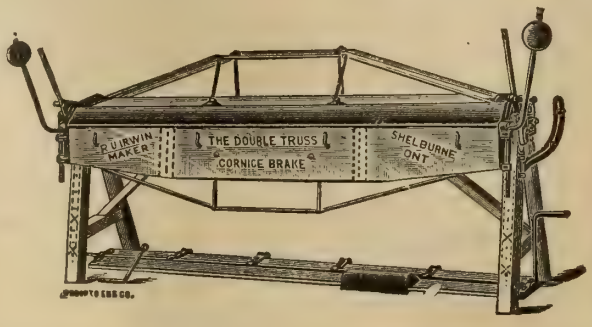
WORCESTER, MASS., U. S. A.



Makers of High Grade REVOLVERS

SEND FOR COMPLETE CATALOGUE.

For sale by Sporting Goods and Hardware Stores almost everywhere.



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

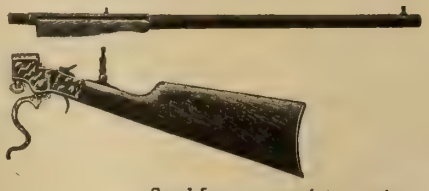
Price, $50

Very handy beader attachment, $10 extra if required.

Send for circulars and testimonials to

The Double Truss Cornice Brake Co. SHELBURNE, ONT.

STEVENS RIFLES



THE FAVORITE

is made in three calibres

22, 25 and 32 Rim Fire

and is the best low-priced rifle made. Highest quality of work. Accuracy guaranteed. Weight, 4½ lbs.

No. 17, Plain Sights— List $ 8.00
No. 18, Target Sights— " 11.50
No. 19, Lyman Sights— " 12.00

Send for our complete catalogue.

J. STEVENS ARMS & TOOL CO.

For Sale by All Leading Canadian Jobbers At Trade Discounts.

P.O. Box 215, CHICOPEE FALLS, MASS., U.S.A.

HUTCHISON, SHURLY & DERRETT

DOVERCOURT TWINE MILLS.

1078 BLOOR STREET WEST TORONTO.

Having equipped our Factory with entirely new machinery, we are prepared to furnish the best made goods in the market at closest prices and make prompt shipments.

Hand Laid Cotton Rope and Clothes Lines,
Cotton and Russian Hemp Plough Lines, plain and colored.
Cotton and Linen Fish Lines, laid and braided.
Netted Hammocks, white and colored, Tennis and Fly Nets.
Skipping Ropes, Jute, Hemp and Flax Twines.

WADE & BUTCHER'S

"SPECIAL" Razors

Are unequalled for quality and finish.

JAMES HUTTON & CO., - MONTREAL

Sole Agents for Canada.

CURRENT MARKET QUOTATIONS.

Dec. 1, 1899.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—	
56 and 28 lb. ingots, per lb.	0 35
Straits	0 35

Tinplates.

Charcoal Plates—Bright.

	Per box
M.L.S., equal to Bradley.	
I.C., usual sizes	$6 50
I.X. "	7 75
I.X.X., "	9 00
J. R. & Co.—	
I.C	6 00
I.X	7 25
I.X.X	8 50
Famous—	
I.C.	6 25
I.X.	7 50
I.X.X	8 75
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	5 75
I.X.X. "	6 50
I.X.X.X., "	7 25
D.C., 12½x17	4 50
D.X	5 25
D.X.X	7 25

Coke Plates—Bright.

Bessemer Steel—	
I.C., usual sizes	4 35
I.C., special sizes, base...	4 50
20x28	8 75

Charcoal Plates—Terne.

Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 50
I.X., Terne Tin	10 50

Charcoal Tin Boiler Plates.

	Per lb.
Cookley Grade—	
X X., 14x56, 50 sheet bxs " 14x60 " " 14x65, "	0 07 0 07½

Tinned Sheets.

72x30 up to 24 gauge	0 08 0 08½
" 26 "	0 08½ 0 09
" 28 "	0 09 0 09½

Iron and Steel.

	Base	Price
Common Bar, per 100 lbs	2 35	2 45
Refined " "	2 85	2 95
Horse Shoe	...	2 65
Hoop steel, 1½ to 3 in. base, extras for smaller sizes	....	3 00
Swedish " "	4 00	4 25
Sleigh Shoe Steel " base	....	2 70
Tire Steel....	....	2 70
Machinery	....	2 65
Cast Steel, per lb	0 10	0 14
Toe Calk Steel	....	3 25
Thos. Firth & Sons' Cast Steel	0 12	0 14
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker.	3 00	3 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½-inch	0 11
2 "	0 12
2½ "	0 14
"	....

Steel Boiler Plate.

¼ inch	3 25
3-16 inch	3 40
⅜ inch and thicker	3 25

Black Sheets.

18 gauge	3 00
20 gauge	3 00
22 to 24 "	3 10
26 "	3 20
28 "	3 35

Canada Plates.

All dull, 52 sheets	3 00
Half polished	3 10
All bright....	3 60

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ⅜ inch, $3.60; ½ inch, $3.60; ¾ inch, $4.20; 1 inch, $5.90; 1¼ inch, $7.85; 1½ inch, $9.75; 2 inch, $13.00. 2½ to 6 inch, discount 45 p.c.

Galvanized, ½ inch, $6.50; ¾ inch, $8.00; 1 inch, $11.50; 1¼ inch, $16.00; 1½ inch, $20.00; 2 inch, $28.50.

Galvanized Iron.

	G O. Comet.	Amer.	Queen's Head.
16 gauge	....	....	4 25
18 to 24 gauge	4 50 3 80	3 95	4 50
26 "	4 75 4 10	4 35	4 75
28 "	5 00 4 35	4 60	5 00

Less than case lots, 25c. per 100 lb. additional.

Chain.

Proof Coil, 3-16 in., per 100 lb	....
" ¼ " "	8 75
" 5-16 " "	6 25
" ⅜ " " ...	5 50
" 7-16 " " ...	5 30
" ½ " " ...	5 10
" ⅝ " " ...	4 90
" ¾ " "	4 85
Halter, kennel and post chains,	40 and 50 p.c.
Cow ties	40 p.c.
Stall fixtures	35 p.c.
Trace chain	25 and 5 p.c.
Jack chain, iron, single and double, discount 35 p.c.	
Jack chain, brass, single and double, discount 40 p.c.	

Copper.

	Ingot	
English B. S., ton lots	0 20	0 21
Lake Superior....	....	....
	Bolt or Bar.	
Cut lengths, round, ½ to ⅞ in.	0 23½	0 25
" round and square 1 to 2 inches....	0 23½	0 25
	Sheet.	
Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 23	0 23½
Untinned, 14 oz., and light, 16 oz., irregular sizes....	0 23	0 23½

NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.

Tinned copper sheets	0 26
Planished	0 32

Braziers. (In sheets.)	
4x6 ft. 25 to 30 lbs. ea., per lb.	0 25½
" 35 to 45 " "	0 24½
" 50-lb. and above, "	0 23½
Boiler and T. K. Pitts.	
Plain Tinned, per lb	0 28
Spun, per lb....	0 32

Brass.

Roll and Sheet, 14 to 30 gauge, 5 per cent.

Sheets, hard-rolled, 2x4	0 24 0 25
Tubing, base, per lb....	0 24 0 25

Zinc Spelter

Foreign, per lb	0 07 0 07¼
Domestic "	....

Zinc Sheet.

5 cwt. casks	0 08
Part casks....	0 08¼

Lead.

Imported Pig, per lb	0 04¾ 0 05
Domestic, per lb	....
Bar, 1 lb....	 05
Sheets, 2½ lbs. sq. ft., by roll.	0 05¼ 05½
Sheets, 3 to 6 lbs., per sq. ft., by roll....	0 05 0 05¼

NOTE.—Cut sheets ½ cent per lb. extra

Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 17½ per cent. discount	

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths, lists at 7½ cents.

Shot.

Ordinary, drop, $4.75 per 100 lb.; chilled, $5.15 per 100 lb. F.O.B. Toronto; terms 3 per cent cash, freights equalized on Montreal.

Soil Pipe and Fittings.

Discount, 50 and 10 per cent. on medium and extra heavy, and 50 per cent. on light.

Solder.

	Per lb.	Per lb.
Bar half-and-half	0 21	0 22
Refined	0 20½	0 21½
Wiping	0 20	0 20½

NOTE.—Prices of this graded according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 11 0 11½

White Lead.

	Per cwt.
Pure, Assoc. guarantee, ground in oil, 25 lb. irons	6 50
No. 1 do	6 12½
No. 2 do	5 75
No. 3 do	5 37½
No. 4 do	5 00
Robertson's Chemically Pure	6 50
Munro's Select Flake White....	6 75
Elephant and Decorators' Pure....	6 50

Red Lead.

Genuine, 560 lb casks, per cwt. $....	$5 00
Genuine, 100 lb. kegs, per cwt..	5 25 5 50
No. 1, 560 lb. casks, per cwt....	4 75
No. 1, 100 lb. kegs, per cwt.	5 00

White Zinc Paint.

Elephant Snow White....	0 08 0 09
Pure White Zinc....	0 08 0 09
No. 1....	0 06 0 07½
No. 2....	0 05 0 06½

Dry White Lead.

Pure, casks....	0 05⅛
Pure, kegs....	0 05⅜
No. 1, casks....	0 04⅞
No. 1, kegs....	0 05⅛

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)

Pure, per gallon....	1 00	1 10
Second qualities, per gallon..	0 90	0 95
Barn (in bbls.)	0 70	0 90
The Sherwin-Williams Paints	....	1 30
Canada Paint Co's Pure....	1 10	1 20
Robertson's Pure	....	1 10
Sanderson Pearcy's Pure	1 00	1 10
Toronto Paint and Color Co.'s Pure....	1 10	1 20

Colors in Oil.

(25 lb. tins, Standard Quality.

Venetian Red, per lb	0 05
Chrome Yellow	0 11
Golden Ochre....	0 06
French "	0 05
Marine Black	0 09
" Green....	0 09
Chrome "	0 08
French Imperial Green	0 19

Colors, Dry.

Yellow Ochre (J.C.) bbls	1 35 1 40
Yellow Ochre (J.F.L.S.), bbls ...	2 75
Yellow Ochre (Royal)....	1 10 1 15
Brussels Ochre	2 00
Venetian Red (best), per cwt.	1 80 1 90
English Oxides, per cwt....	3 00 3 25
American Oxides, per cwt ..	1 75 2 00
Canadian Oxides, per cwt....	1 75 2 00
Super Magnetic Oxides, 93 p.c.	2 00 2 25
Burnt Sienna, pure, per lb..	0 10
" Umber, " "	0 10
do Raw	0 09
Drop Black, pure	0 09
Chrome Yellows, pure	0 18
Chrome Greens, pure, per lb.	0 12
Golden Ochre	0 03¾
Ultramarine Blue in 28-lb boxes, per lb....	0 08 0 24
Fire Proof Mineral, per 100 lb.	1 00
Genuine Eng. Litharge, per lb	0 07
Mortar Color, per 100 lb....	1 25
James' Gen. Red Lead, 100 lb	0 05
Pure Indian Red, No. 45, lb.	0 08
Whiting, per 100 lb....	0 55

Sulphate of Copper.

Casks, for spraying, per lb....	0 07
100-lb. lots, do. per lb....	0 08

Putty.

Bladders in bbls....	1 80
Bladders in 100 or 200 lb. kegs or bxs	1 95
Bulk in bbls., per 100....	1 65
Bulk in less quantities....	1 80
25-lb. tins, 4 in case....	2 05
12½-lb. tins, 8 in case....	2 30

Varnishes.

(In 5-gal. lots.).		Per gal
Carriage, No. 1	1 30	1 40
Extra do.	1 50	1 60
Body Varnish	3 40	3 50
Furniture Varnish....	0 60	0 75
Extra do.	1 10	1 20
Demar Varnish	....	1 60
Hard Oil Finish....	1 30	1 45
Orange Shellac Varnish....	2 00	2 10
White Shellac....	2 20	2 25
Rubbing Varnish	....	2 00
Brown Japan	85	1 00
Elastic Oak	....	1 40

Linseed Oil.

Raw.		Boiled.	
1 to 4 bbls....	$0 63	delivered	$0 66
5 to 9 bbls	62	"	65
10 to 15 bbls....	59	f.o.b. point shipment	62
16 to 30 bbls....	57	" "	60

Toronto, Hamilton and London prices on 1 to 9 barrels are 1c. less.

Turpentine.

Single barrels	0 77
2 to 4 barrels	0 61

Freight allowed. Toronto, Hamilton and London 1c. less.

Castor Oil.

In cases, per lb	0 09
Small lots....	0 10

Cod Oil, Etc.

Cod Oil, per gal....	0 50 0 55
Pure Olive....	1 20
" Neatsfoot....	90

Glue.

(In bbls.)

Common	0 08½ 0 09
French Medal....	0 12 0 12½
Cabinet, sheet....	0 11 0 12
White, extra	0 16 0 18
Gelatine	0 22 0 30
Strip	0 16 0 18
Coopers	0 19 0 20
Al clear....	0 09

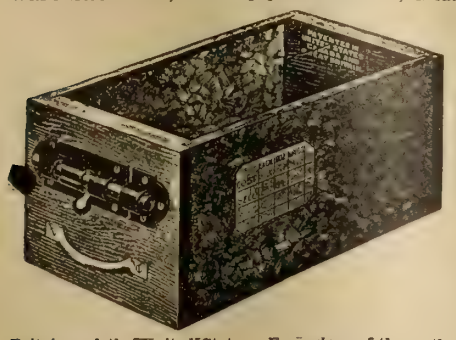
HARDWARE.

Ammunition.

Cartridges.

B. B. Caps. Dom., 50 and 5 per cent.	
Rim Fire Pistol, dis. 45 p. c., Amer.	
Rim Fire Cartridges, Dom., 50 and 5 p. c.	
Rim Fire, Military, net list, Amer.	
Central Fire Pistol and Rifle, 18 p.c. Amr	

CHRISTMAS TRADE over, then stock-taking, and after that the usual right siding during the slack time which will be a good opportunity to put in Bennett's Hardware Shelf Box, now so popular in Canada, Great



Britain and the United States. For prices of these, the Klondike Sample Holder and Bennett's new bronze box pull, write to

J. S. BENNETT, 20 Sheridan Ave., Toronto.

N. B —Shelf boxes made to fit your present shelving.

WARNOCK'S TOOLS

have been Canada's Standard for 55 years---since 1844. Every article bearing our name is fully guaranteed. Always specify **"Warnock's."**

James Warnock & Co., - Galt, Ont.

Central Fire Cartridges, pistol sizes, Dom 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p.c.
Brass shot Shells, 55 and 10 per cent.
Primers, Dom., 30 per cent.

Wads.

	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 100 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Per lb	0 10	0 12½
Anvil and Vice combined	....	4 50
Wilkinson & Co.'s Anvils..lb.	0 09	0 09½
Wilkinson & Co.'s Vices..lb.	0 09¾	0 10

Augers.

Gilmour's, discount 50 and 10 p.c. off list.

Axes.

Chopping Axes—		
Single bit, per doz	5 50	10 00
Double bit, "	12 00	18 00
Bench Axes, 40 and 15 p c.		
Broad Axes, 33⅓ per cent.		
Hunters' Axes	5 50	6 00
Boy's Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Bath Tubs.

Zinc	3 90	4 00

Copper, discount 40 and 10 p c. off revised list
Steel clad, discount 20 per cent. Boxing extra.

Anti-Friction Metal.

Tandem " A	per lb.	0 23
" B	"	0 19
" C	"	0 11½

Magnolia Anti-Friction Metal, per lb. 0 25
F. O. B. New York or Chicago.

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent.

Door.

Gongs, Sargant's | 5 50 | 8 00
" Peterboro', discount 27½ per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Farm.

American, each | 1 25 | 3 00

House.

American, per lb | 0 35 | 0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00
Blacksmiths', discount 40 per cent.		

Belting.

Extra, 50 per cent.
Standard, 50 and 10 to 50, 10 and 5 per cent.
Agricultural, 60 and 10 p.c.

Bits.

Auger.

Gilmour's, discount 50 and 10 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent.

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb | 0 07¾ | 0 12

Bolts and Nuts. Per cent.

Norway Bolts, full square	65
Common Carriage Bolts, all sizes	50
" " full square	65
Machine Bolts, all sizes	52½
Coach Screws	65
Sleigh Shoe Bolts	70
Blank Bolts	52½
Bolt Ends	62½
Nuts, square	3½c. off
Nuts, hexagon	4c. off
Tapping Nuts	60
Tire Bolts	60 and 10
Stove Bolts	60 and 10
Stove rods, per lb	5½ to 6c.
Plough Bolts	50

Boot Calks.

Small and medium, per M	4 50	
Small heel, per M	4 25	

Bright Wire Goods.

Discount | 55 per cent.

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent.

Henis, No. 8, "	....	6 00
Henis, No. 9, "	....	7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Plain building, per roll	0 28	
Tarred lining, per roll	0 35	
Tarred roofing, per 100 lb	1 40	
Coal Tar, per barrel	3 75	
Pitch, per 100-lb	0 60	
Carpet felt, per 100 lb	2 50	

Bull Rings.

Copper, $2.50 for 2½ in. and $2 for 2 in.

Butts.

Brass.

Wrought Brass, net revised list.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel.

Fast Joint, dis. 60 and 10 per cent.
Loose Pin, dis. 60 and 10 per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Cards.

Horse, per doz	0 60	1 00

Carpet Sweepers.

Bissell, per doz	....	22 50
World, "	....	21 75
Daisy, "	....	24 00
Star, "	....	18 00
Crown Jewel, per doz	....	29 00
Grand Rapids, "	24 00	33 00

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	...

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	50	9 50

Cement.

Canadian Portland	2 65	2 90
English "	....	3 00
Belgian "	....	2 70
Canadian hydraulic	1 00	1 10

Figures are for barrel lots.

Chalk.

Carpenters, Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket. Framing and Firmer.

Broad's, dis. 60 and 5 per cent.
Warnock's, dis. 60 per cent.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above. Discounts: Delivered from factories, 60 p.c.; from stock in Montreal, 58 p.c. Terms, 4 months or 3 p.c. cash in 30 days.

Cinder Sifters.

Per doz | 1 25

Clips.

Axle dis. 65 per cent.

Closets.

Plain Ontario Syphon Jet	$8 00
Emb. Ontario Syphon Jet	8 50
Fitting	1 00
Plain Teutonic Syphon Washout	4 75
Emb. Teutonic Syphon Washout	5 25
Fittings	1 00
Plain Richelieu	4 75
Emb. Richelieu	5 00
Fittings	1 25
Closet connection	1 25
Basins, round 14 in.	0 65
" oval, 17 x 14 in.	1 55
" " 19 x 15 in.	2 30

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 20 per cent. from factory.

Dies.

Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. per cent.

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Broad's, dis. 60 to 60 and 7½ per cent.
Warnock's, dis. 60 to 60 and 7½ per cent.

Drills.

Hand and Breast.

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis. 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.

Stovepipe.

Per doz | 0 85 | 1 70

ESCUTCHEONS.

Discount, 27½ per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 45 per cent.

FILES.

Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Jowitt's, English list, 25 to 27½ per cent.
Mechanics' Star & File Mfg. Co. Discount 60 and 10 to 70 per cent.

FORKS.

Hay, manure, etc., dis., 50 and 10 per cent. revised list.

FRUIT PRESSES.

Henis', per doz | 3 25 | 3 50
Shepard's Queen City, dis. 15 per cent.

GAUGES.

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each | 1 65 | 2 40

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft
Under 26	2 10	4 00	3 50	6 00
26 to 40	2 30	4 35	3 75	6 65
41 to 50	....	4 75	....	7 25
51 to 60	....	5 00	....	8 50
61 to 70	....	5 35	....	9 25
71 to 80	....	5 75	....	10 50
81 to 85	....	6 50	....	11 75
86 to 90	....	7 25	....	14 00
91 to 95	....	....	....	15 50
96 to 100	....	....	....	18 00
101 to 105	....	....	....	21 00
106 to 110	....	....	....	24 00
111 to 115	....	....	....	28 00

16 x 16 10 per cent. off.

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis 5 to 10 per cent. 25 to 27½ per cent.	Can.	dis.

Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz., net	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pair	0 40	2 50

Fork

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. list.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾	0 20

HANGERS.

	doz.	pairs
Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50
Lane's covered—		
No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot		4½

HARVEST TOOLS.

Discount, 50 and 10 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent.

HINGES.

Blind, Parker's, dis. 60 and 10 to 65 per cent		
" Shepard's Noiseless, dis. 60 per cent.		
" " Buffalo, dis. 60 to 70 p. c.		
Heavy T and strap, 4-in., per lb	....	0 06
" " 5-in., "	....	0 05¾
" " 6-in., "	....	0 05½
" " 8-in., "	....	0 05¼
" " 10-in., "	....	0 05

Light T and strap, dis. 60 and 10 per cent.

Screw hook and hinge—		
6 to 12 in., per 100 lbs	....	4 50
14 in. up, per 100 lbs	....	3 50
	Per gro.	pair
Spring	....	12 00

HOES.

Garden, Mortar, etc., dis. 50 and 10 p.c.		
Planter, per doz	4 00	4 50

HOLLOW WARE

Discount,..... 45 and 5 per cent

HOOKS.

Cast Iron.

Bird Cage, per doz	0 50	1 10
Clothes Line, per doz	0 27	0 63
Harness, per doz	0 72	0 88
Hat and Coat, per gross	1 00	3 00
Chandelier, per doz	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.

Hat and Coat, discount 60 per cent.
Belt, per 1,000 ..... 0 60 0 70
Screw, bright, dis. 55 per cent.

HORSE NAILS.

'C' brand 50 p.c. dis.
'M' brand 50 p.c. } Oval head.

Acadian, 50 and 20 p.c., countersunk head.

HORSESHOES.

Iron Shoes.	F.O.B. Toronto. No. 2 and larger.	No. 1. and smaller.
Light, medium, and heavy	3 80	4 05
Snow shoes	4 05	4 30
Steel Shoes.		
Light	4 10	4 35
Featherweight (all sizes)	5 35	5 35

JAPANNED WARE.

Discount, 50 per cent. off list, June, 1899.

ICE PICKS.

Star, per doz 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb 0 30 0 50
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 50 p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz	1 50	2 50
Bronze, Berlin, per doz	2 75	3 25
Bronze Genuine, per doz	6 00	9 00
Shutter, porcelain, F. & L. screw, per gross	1 30	4 00

HAY KNIVES.

Discount, 50 and 10 per cent.

LANTERNS.

Cold Blast, per doz	7 50
No. 3 "Wright's"	8 50
Ordinary with O burner	4 25
Dashboard, cold blast	9 50
No. 0	6 00

Japanning, 50c. per doz. extra.

LEMON SQUEEZERS.

	per doz.	
Porcelain lined	2 20	5 60
Galvanized	1 87	3 85
King, wood	2 75	2 90
King, glass	4 00	4 50
All glass	1 20	1 30

LINES.

Fish, per gross	1 05	2 50
Chalk "	1 90	7 40

LOCKS

Canadian, dis. 27½ p.c.
Russell & Erwin, per doz 3 05 3 25

Cabinet.

Eagle, dis. 30 p.c.

Padlock.

English and Am., per doz	50	6 00
Scandinavian, "	1 00	2 40

Eagle, dis. 15 to 17½ p.c.

MACHINE SCREWS.

Iron and Brass.

Flat head, discount 25 p.c.
Round Head, discount 20 p.c.

MALLETS.

Tinsmiths', per doz	1 25	1 50
Carpenters', hickory, per doz	1 25	3 75
Lignum Vitae, per doz	3 85	5 00
Caulking, each	60	2 00

MATTOCKS

Canadian, per doz 8 50 10 00
American, 60 and 10 p.c. off list.

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2d. and 3d	$3 60	$4 30
3d	3 25	3 95
4 and 5d	3 00	3 80
6 and 7d	2 90	3 65
8 and 9d	2 75	3 45
10 and 12d	2 70	3 40
16 and 20d	2 65	3 35
30, 40, 50 and 60d. (base)	2 60	3 30

Steel Cut Nails 10c. extra.

NAIL PULLERS.

German and American 1 85 3 50

NAIL SETS.

Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.

Poultry, 40 per cent. for McMullen's.

OIL.

Canada refined (Toronto)	0 13½
Sarnia Water White	0 15
Pratt's Astral	0 18
Sarnia, Prime White	0 14
American w. w.	0 16½

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz 0 00 11 00
Zinc and tin, dis. 50, 50 and 10.
Copper, per doz 1 25 3 50
Brass, " 1 50 3 50
Malleable, dis. 25 per cent.

PAILS.

Galvanized pails, discount 45 per cent.
Galvanized flaring pails, discount 45 per cent
Galvanized washtubs, discount 45 per cent.

PIECED WARE.

Discount, 40 per cent off list, June, 1899.

PICKS.

Per doz 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross	1 40	3 00
Brass head, "	0 40	1 00

PLANES.

Wood, bench, Canadian dis. 55 per cent. American dis. 55.
Wood, fancy Canadian or American, 37½ to 40 per cent.
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.
Miscellaneous, dis. 25 to 27½ per cent.
Bailey's Victor, 25 per cent

PLANE IRONS.

English, per doz 2 00 5 00

PLIERS AND NIPPERS.

Button's Genuine, per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz .. 5 00 9 00
German, per doz 0 60 2 60

PRESSED SPIKES.

Discount, 20 per cent.

PULLEYS.

Hothouse, per doz	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS

Canadian cistern	1 40	2 25
Canadian pitcher spout	1 15	2 00

PUNCHES.

Saddlers', per doz	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set	0 00	0 72
" hollow, per inch	0 00	1 00

RANGE BOILERS

Galvanized, 30 gallons			8 50
"	35	"	10 00
"	40	"	11 00
Copper,	30	"	22 00
	35	"	26 00
"	40	"	30 00

Discount off Copper Boilers 10 per cent.

RAKES.

Cast steel and malleable Canadian, list dis. 50 and 10 p.c revised list.
Wood, 25 per cent.

RASPS AND HORSE RASPS.

New Nicholson horse rasp, discount 60 p.c.
Globe File Co.'s rasps, 60 and 10 to 70 p.c.
Heller's Horse rasps, 50 to 50 and 5 p.c.

RAZORS.

	per doz.	
Geo. Butler & Co.'s	8 00	18 00
Boker's	7 50	11 00
Wade & Butcher's	3 60	10 00
Theile & Quack's	7 00	12 00

REAPING HOOKS.

Discount, 50 and 10 per cent.

REGISTERS.

Discount, ... 60 per cent.

RIVETS AND BURRS.

Carriage, Section, Wagon Box Rivets, etc. (Steel), 45 p.c.
Black M Rivets (Steel), 45 p.c.
Black and Tinned Rivets, 45 p.c.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets & Burrs, 35 p.c. dis., and cartons, 1c. per lb. extra, net.
Extras on Tinned or Coppered Rivets in ½-lb. cartons, 1c. per lb.
Burrs, iron or steel, 40 per cent.
Terms, 4 mos., or 3 per cent. cash 30 days.

RIVET SETS.

Canadian, dis. 35 37½ per cent.

ROPE, ETC.

	Sisal.	Manila.
7-16 in. and larger, per lb.	12½	15
⅜ in	13	15½
¼ and 5-16 in.	13½	16
Cotton		14
Russia Deep Sea		15½
Jute		8
Lath Yarn		9¾
New Zealand Rope		10½

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

	per set.
Mrs. Potts, plain, polished	0 90
" " " 12 case ots	0 85

10c. advance for plated.

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 2½ per cent.
Emery, 40 per cent.

SAWS.

Hand, Disston's, dis. 12½ p.c.
S. & D., 40 per cent.
Crosscut, Disston's, per ft 0 35 0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.
Hack, complete, each 0 75 2 75
" frame only 0 75

SASH WEIGHTS.

Sectional, per 100 lbs		3 25
Solid, "		1 50

SASH CORD.

Per lb	0 20	0 50

SAW SETS.

"Lincoln," per doz		6 50

SCALES

Gurney Scales, 45 p.c.
B. S. & M. Scales, 45 p.c.
Champion 55 per cent.
Fairbanks Standard 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Chatillon Spring Balances, 10 p.c.

SCREW DRIVERS.

Sargent's, per doz 0 65 1 00

SCREWS

Wood, F. H., iron, and steel, 80 p.c.
Wood R. H., " dis. 75 p.c.
" F. H., brass, dis. 75 p.c.
Wood, R. H., " dis. 67½ p.c.
" F H, bronze, dis. 67½ p.c.
" R.H. " 62½ p.c.
Drive Screws, 80 per cent.
Bench, wood, per doz 3 25 4 00
" iron, " 4 25 5 75

SCYTHES.

Discount, per doz. net 9 00 15 00

S THE SNATHS.

Canadian, dis. p.c.

SHEARS

Seymour's, dis. 50 and 10 p.c.
Heinisch, dis. 50 and 10 p.c.
Seymour or Heinisch tailor shears. 15 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SNAPS.

Harness, German, dis. 25 p.c.
Lock, Andrews' 4 50 11 50

SOLDERING IRONS.

1, 1½ lb., per lb	0 37
2 lb. or over, per lb	0 34

SQUARES.

Iron, per doz	1 65	2 90

Steel, dis. 50 and 10 per cent., revised list.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Pan, dis. 75 and 12½ p.c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized	3 75
Bright	3 50

STOCKS AND DIES.

American dis. 25 p.c.

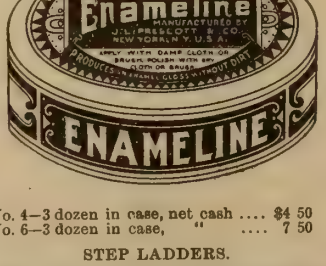
STONE.

	Per lb,	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador		0 13
" Axe		0 15
Turkey		0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, per ton	15 00	18 00

STOVE PIPES.

5 to 6 inch, per 100 lengths		6 75
7 inch, per 100 lengths		7 25

Stove Polish.



No. 4—3 dozen in case, net cash $4 50
No. 6—3 dozen in case, " 7 50

STEP LADDERS.

Best grade, from 3 to 10-ft. long, per foot, 16c.
2nd grade, 3 to 10-ft., per foot, 10c.

TACKS BRADS, ETC.

	Per cent.
Strawberry box tacks, bulk	75
Cheese-box tacks, blued	80 and 12½
Trunk tacks, black and tinned	80 and 12½
Carpet tacks, blued and tinned	75 and 10
" " (in kegs)	35
Cut tacks, blued, in dozens only	70 and 10
" ¼ weights	55
Swedes, cut tacks, blued and tinned—	
In bulk	80
In dozens	70 and 10
Swedes, upholsterers', bulk	80 and 12½
" brush, blued & tinned, bulk	45
" gimp, blued tinned and japanned	70 and 10
Zinc tacks	30
Leather carpet tacks	55
Copper tacks	50
Copper nails	52½
Trunk nails, black	65
Trunk nails, tinned	65 and 5
Clout nails, blued and tinned	65
Chair nails	35
Cigar box nails	35
Patent brads	40
Fine finishing	40
Picture frame points	10
Lining tacks, in papers	10
" " in bulk	15
" " solid heads, in bulk	75
Saddle nails in papers	10
" " in bulk	15
Tufting buttons, 22 line, in dozens only	60
Tin capped trunk nails	15
Zinc glazier's points	5
Double pointed tacks, dozens	85
" " " bulk	35

TAPE LINES.

English, ass skin, per doz	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRANSOM LIFTERS.

Payson's per doz 2 60

TRAPS. (Steel.)

Game, Newhouse, dis. 40 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's, discount 10 per cent.

German, per doz	4 75	6 00
Brade's "	5 00	10 50

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb		0 21
Wrapping, mottled, per pack.	0 50	0 60
Wrapping, cotton, per lb	0 17	0 18
Mattress, per lb	0 33	0 45
Staging, "	0 27	0 35
Broom, "	0 30	0 55

VISES.

Hand, per doz	4 00	6 00
Bench, parallel, each	2 00	4 50
Coach, each	6 00	7 00
Peter Wright's, per lb	0 12	0 13
Pipe, each	5 50	9 00
Saw, per doz	6 50	13 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Smooth Steel Wire, base, $3.35 f.o.b. factory points. List of extras: Nos. 2 to 5, advance 7c. per 100 lb.—Nos. 6 to 9, base—No. 10, advance 7c.—No. 11, 14c.—No. 12, 20c—No. 13, 35c.—No. 14 47c.—No. 15, 60c.—No. 16, 75c. Extras net per 100 lb.: Coppered wire, 60c—tinned wire, $2—oiling, 10c.—special hay-baling wire, 30c.—spring wire, $1—best steel wire, 75c.—bright soft drawn, 15c.—in 50 and 100-lb. bundles net, 10c.—in 25-lb. bundles net, 15c. packed in casks or cases, 15c.—bagging or papering, 10c.
Fine Steel Wire, dis. 12½ per cent. factory. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 24, $7.30—No. 23, $7.65—No. 24, $8—No. 25, $9—No. 26, $9.50—No. 27, $10—No. 28 $11—No 29, $12—No. 30, $13—No. 31, $14—No 32, $15 No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31, $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ¼-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $4.25—No. 9, $3.55—No. 10, $4.40—No. 11, $4.45—No. 12, $3 70—No. 13, $3.45—No. 14, $5.00—No. 15, $5.30—No. 16. $5.50.

Broom Wire, per lb	0 05	0 05½
Clothes Line Wire, 19 gauge, per 1,000 feet		3 30

WIRE FENCING. F.O.B

	Toronto
Galvanized, 4 barb, 2¼ and 5 inches apart	3 60
Galvanized, 2 barb, 4 and 6 inches apart	3 60
Galvanized, plain twist	3 60

Terms, 2 per cent. in 10 days.

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net ... 1 85

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.
Diamond, dis. 33⅓ to 35 per cent.

Towers' Engineer, each	2 00	00
" S., per doz	5 80	00
G. & K.'s Pipe, per doz		3 40
Burrell's Pipe, each		3 00
Pocket, per doz	0 25	2 90

WRINGERS.

Leader ..... per doz.	$60 00
Royal Canadian ..... "	58 00
Royal American ..... "	48 00

Discount, 45 per cent.: terms 4 months, or 3 p.c. 30 days. Prices are f.o.b. London Hamilton Toronto, Brockville or Montreal.

STAR

HACK SAWS
BUTCHER SAWS
BRACKET SAWS

THE STAR HACK SAW

Has a file temper, and one 5-cent blade will do more work than $1 worth of files. It will cut off an inch square bar of steel 100 times without filing.

THE STAR BUTCHER SAW

Will cut four times as long without filing as any other kind in use. It will cut off a half-inch rod of iron 30 times.

THE STAR BRACKET SAW

Is taking the place of all other kinds.

None of these Star Saws are to be filed, as the price is less than the cost of filing. They are taking the place of all other saws as fast as they become known.

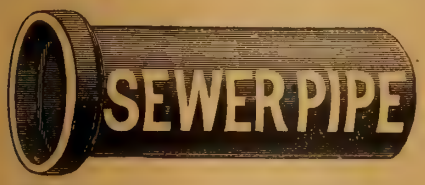
For Sale by Most Hardware Dealers

We also make a Power Hack Saw which may be found in most machine shops and iron working establishments, and should be found in all.

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DIAMOND BRAND



WIND GUARDS, CHIMNEY TOPS, FLUE LININGS,
CULVERT PIPES, SEWER PIPES, INVERT BLOCKS.

Manufactured by the

HAMILTON AND TORONTO SEWER PIPE CO.

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DESERONTO, ONT.

Manufacturers of

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Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

WESTERN

Incorporated 1851.

ASSURANCE COMPANY

Fire and Marine

Capital, subscribed	$2,000,000.00
Capital - - -	1,000,000.00
Assets, over - -	2,340,000.00
Annual Income -	2,290,000.00

Head Office: TORONTO, ONT.

Hon. Geo. A. Cox, President. J. J. Kenny, Vice-President.
C. C Foster, Secretary.

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in the Business Field are constantly opening to those who are qualified to fill them. The

Central Business College,

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Our students secure such places as soon as they become qualified for them.
It will pay to prepare for them. Correspondence invited.

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PERFECTION AUTOMATIC REVOLVER.



NEW Automatic shell extracting, double action, small frame. Weighs 12 oz. Rebounding lock. 32 caliber. 5 shot.

Made with shorter barrel for bicycle use.

The most perfect small pistol made.

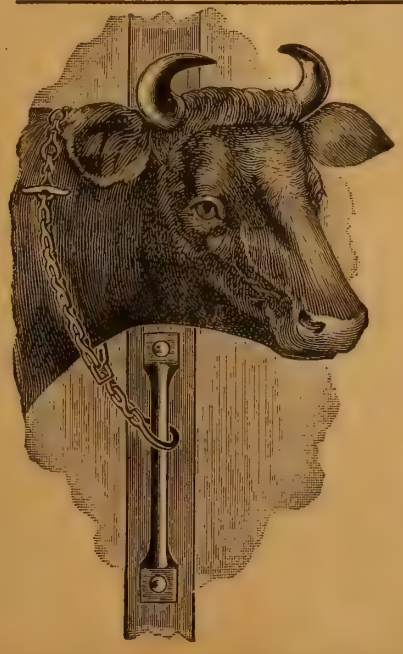
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Manufacturers of the

Forehand Guns

Worcester, Mass.



Dominion Pattern

Cow Tie AND Stall Fixture

The special features of the tie and stall fixture are well shown in the illustration. As will be noticed the chain is very short which prevents all danger of entanglement with the animal's foot. At the same time the form of the fixture is such that great freedom is allowed to the head. Because of the short chain this tie is much cheaper than the ordinary patterns.

The stall fixture is made from a tough quality of steel and is very strong. Also, owing to its circular cross-section, it is exceedingly rigid. Its simplicity, convenience, cheapness, and ease of attaching make it very popular with cow tie users.

This form of tie and stall fixture are sometimes called Niagara pattern.

American or Flat Link Chain,

for years the standard cow tie chain in "the States," is now rapidly coming in favor in Canada. Its short link, handsome appearance and smooth surface—which cannot injure the animal's neck—make it superior to all other styles of chain for cow ties.

For sale by all Jobbers; manufactured by

ONEIDA COMMUNITY, Limited, NIAGARA FALLS, ONT.



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Black Diamond File Works

G. & H. Barnett Company

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Twelve  Medals

Awarded
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Special Prize
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TO INSURE COMFORT AND SAFETY

...USE...

"Maltese Cross" Inner Tubes

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The Toronto Rubber Co.

Limited

158 Yonge Street - TORONTO, CANADA

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Is the... Celebrated **"Grand Jewel"**

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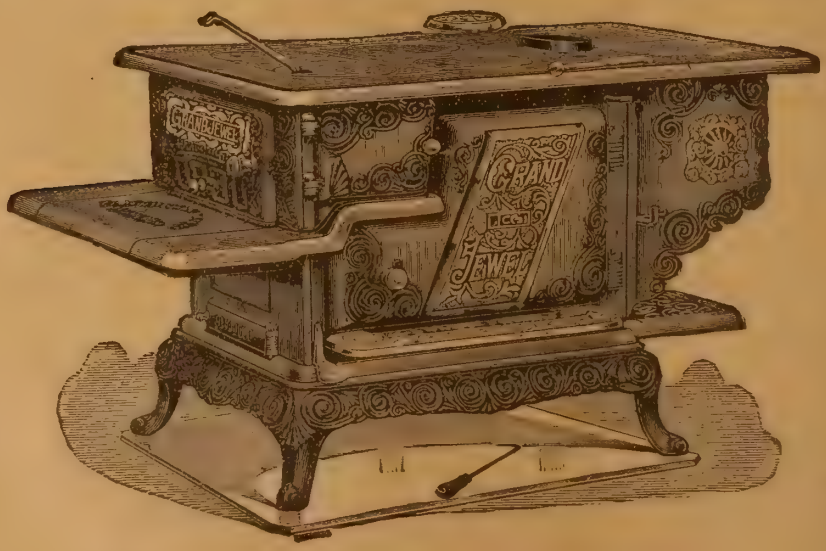
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GRAND JEWELS

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Rapidly Increasing.

THIS LINE of stoves commands a liberal profit for all dealers.



This stove has more good selling points than any other stove on the market.

It is fitted with sheet steel oven, which is so braced that it is impossible for it to warp or crack.

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Engineers' and Machinists'
Delight—Langwell's Babbitt.
Montreal.

CANADIAN
HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XI. MONTREAL AND TORONTO, DECEMBER 9, 1899. NO. 49



Magnolia Metal

Best Anti-Friction Metal for all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up in bars, of which this is a

FAC-SIMILE.



The name and trade mark appear on each box and bar, and besides this, the words "Manufactured in United States" and "Patented June 3, 1890" are stamped on the under side of each bar.

Magnolia Metal is still selling at the same price it has always sold at—no advance.

MAGNOLIA METAL COMPANY

LONDON OFFICE—49 Queen Victoria St.
CHICAGO OFFICE—Fisher Building, 281 Dearborn Street.
CANADIAN OFFICE—524 Board of Trade Building, Montreal.

Owners and Sole Manufacturers,
266 and 267 West St., New York

The Galvanized Iron Leaders

"Queen's Head"—equalled by none.

"Fleur de Lis"—second only to "Queen's Head."

Both fully guaranteed. Place your orders early for Spring shipment.

JOHN LYSAGHT, Limited

BRISTOL, ENG. MONTREAL

Who Advised It?

Did you advise that man who built a house last year, to install a hot-water or steam Radiator system, said to be just as good as the Safford Patent Radiator? The pipes leaked down through his ceilings last night—*he'll* not throw any trade into *your* store in the future.

The Safford Radiator is absolutely safe for to-day to-morrow, next year and *for all time*—there are no bolts, rods or packing about it. It has screwed nipple connections, and is light, durable, strong, handsome. It will pay you next time to look carefully into its merits before you advise a Radiator said to be "just as good" as

—AGENCIES AT—

Montreal,	Quebec,	Winnipeg,
Vancouver,	London,	Glasgow,
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The Dominion Radiator Company, Limited,
Toronto, Ont.

The Safford Radiator
for Hot-Water and Steam Heating.

CABINETS OF CUTLERY
AND SILVERWARE.

Sets of Carvers
Table Knives
Silverware

Dessert Sets
Fish Carvers
Game Carvers

Brass Kettles . . .
and Chafing Dishes

CHRISTMAS NOVELTIES.

RICE LEWIS & SON (LIMITED)
Toronto.

SAVAGE REPEATING RIFLE

.303 CAL.



Hammerless
Smokeless
Six-Shooter

New 1899 Model

AGENTS:
Winnipeg, J. H. ASHDOWN
Toronto, RICE LEWIS & SON
Quebec, CAVERHILL, LEARMONT & CO.

LATEST and FINEST Rifle manufactured.

Write for complete Catalogue W.

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ACKNOWLEDGED THE BEST.

Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.

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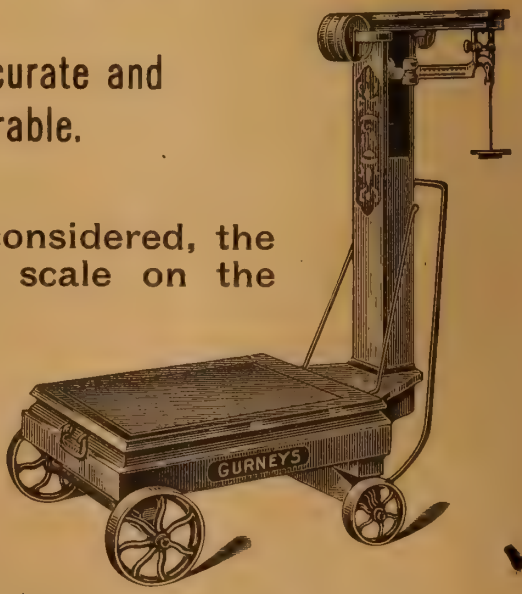
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GURNEY

Accurate and Durable.

Quality considered, the cheapest scale on the market.



A complete stock of Scales carried in Montreal by our Agent, WALTER GROSE.

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STEEL SAP SPOUTS

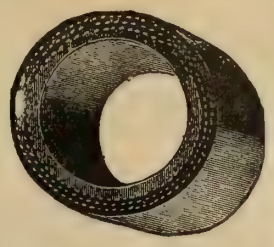


Patented 1896 . . . . . Cut Shows Full Size of Spout

Economical, durable and cheap. Holds the bucket safely and securely. Prevents all leakage and waste. Easily inserted, does not injure the tree, and secures full flow of sap.

Neatly packed in cardboard boxes, 100 each. Made in Berlin Bronze, 24, 22, 20 gauge; Tinned Steel, 20 gauge.

The THOS. DAVIDSON MFG. CO., Limited,
MONTREAL.



Hose made with Seamless Tube.
No seam to open.

A GARDEN HOSE TALK.

The public demand Garden Hose that will stand high pressures suddenly applied, and exposure to all weathers.

To satisfy these demands, strong duck well protected both inside and out is required.

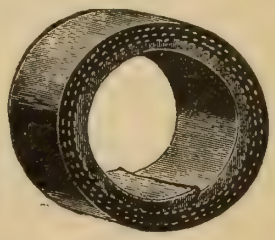
Weights of duck differ with price of hose. The heavier the duck—all other things being equal—the stronger the hose. We aim to have our cheapest hose stand city pressure.

The inner tube of all qualities of our hose is made by our **PATENT SEAMLESS PROCESS.** With a seamless tube, drawn as is lead pipe, the entire inner circumference is equally strong. There is not a seam for the water to find its way through and thus reach the duck, and eventually cause a leak or leaks.

The cover of our Garden Hose is made to withstand the action of sun, wind, and water.

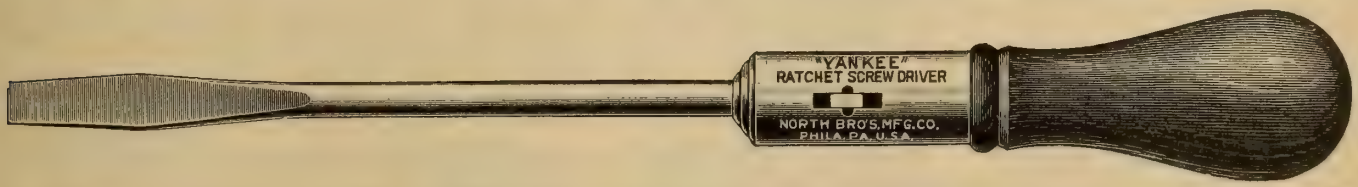
Our **PATENT SEAMLESS TUBE GARDEN HOSE** is strong and will withstand the action of water from within and weather from without, therefore it is reliable, and it will pay you to handle it. **No returns, No unpleasantness with customers.**

THE CANADIAN RUBBER CO.
MONTREAL. TORONTO. WINNIPEG.



Hose with lapped or butted seam.
Liable to open where joined.

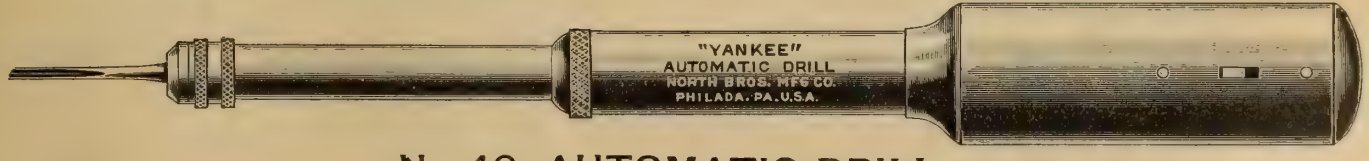
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No. 10 RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10. 12 inch,



No. 30 SPIRAL-RATCHET SCREW DRIVER.



No 40 AUTOMATIC DRILL.

FREE A handsome lithographed and embossed Sign in colors, on tin, to dealers handling these tools. Separate sign for each tool. Write at once which sign is wanted and it will be mailed post paid.

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A Unique Wood Stove That Does the Work of a Furnace.

Oxford Triple Heaters



Have enormous power—they will heat an entire house—the two collars for hot-air pipes, in addition to the smoke pipe, providing immense heating capacity.

Perfect circulation is attained by the tubular spaces directly over the fire through which the cold air from the floor is drawn, heated, and distributed.

GLOBE HEATERS—for any kind of Coal.
OXFORD AIR BLASTS —for either Coal or Wood.

Are leading favorites for smaller needs. We can fill orders promptly.
Write us.

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THE GURNEY-MASSEY CO., LIMITED, MONTREAL.

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ALL KINDS AND FOR ALL PURPOSES.

Manila Rope	Tarred Hemp Rope	Lathyarn	Spunyarn
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"FIRMUS" Transmission Rope from the finest quality Manila hemp obtainable. Orders will not be accepted for second quality or "mixed" goods.

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Is this not sufficient proof of its superiority over other anti-friction metals.

If the largest users are satisfied with our Babbitt Metals, why should it not suit you?

We can furnish you with numbers of testimonials.

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Hardwood CHARCOAL in Bulk or Sacks.
WOOD ALCOHOL equalling Methylated Spirits as a solvent.

Manufactured only by ...
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Galvanized Sheets . .

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Prices Quoted from Stock or for Importation.

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All sizes of Hot Pressed Nuts, Square and Hexagon

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SEYBOLD, SON & CO.,

Established 30 years.

Carrying a complete assortment of HARDWARE, from a Needle to an Anchor.

COW TIES

Greening's Patent

We make the following :

Open Ring, six sizes.
Small Closed Ring, six sizes.
Large Closed Ring, six sizes.
Three Chain, six sizes.
Greening's Special Tie with Stall Fixtures, five sizes.

Our ties have stood the test for years and are undoubtedly the best in the market. Send for new price list. For sale by all jobbers.

The B. GREENING WIRE CO., Limited

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DAVID MAXWELL & SONS

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Steel Frame.

"MAXWELL FAVORITE CHURN"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive.

LAWN MOWERS.

High and Low Wheels, from 12-in. to 20-in. widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate

WHEELBARROWS.

In Four different sizes.

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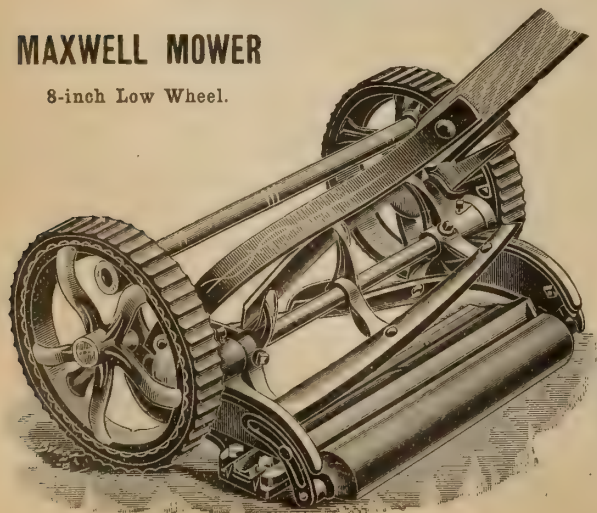
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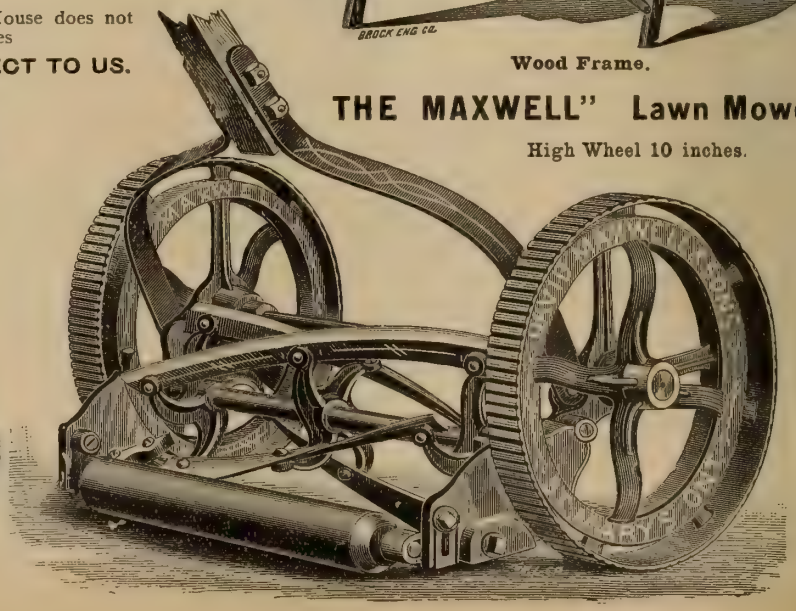
MAXWELL MOWER

8-inch Low Wheel.



THE MAXWELL" Lawn Mower

High Wheel 10 inches.



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ELEY'S LOADED SHELLS

In 10 and 12 Gauges, loaded with either Smokeless or Black Powder.

PRICES LOW. BEST VALUE ON THE MARKET.

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Iron Merchants

Importers of British and Foreign

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EDDY'S WRAPPING PAPERS

possess a peculiar toughness adapting them for the HARDWARE TRADE.

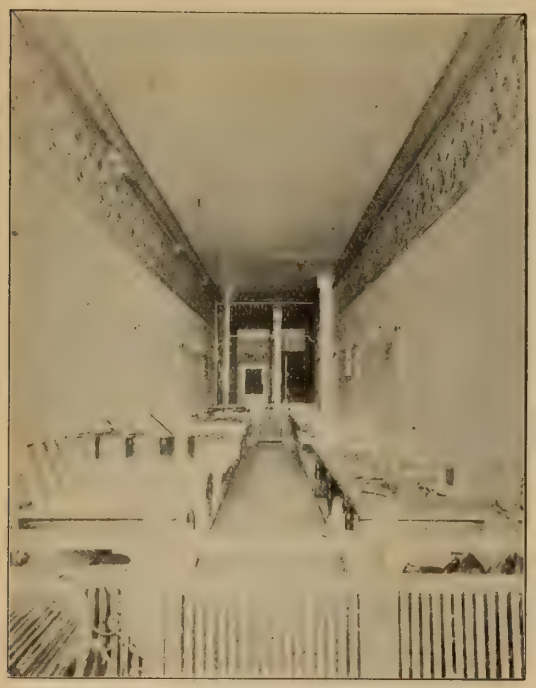
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Luxfer Prisms successfully lighting a store 100 feet long.



This is the best that ordinary glass could do before.

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WE MAKE VISITORS WELCOME, AND SOLICIT LETTERS OF ENQUIRY.

THE LUXFER PRISM CO., Limited

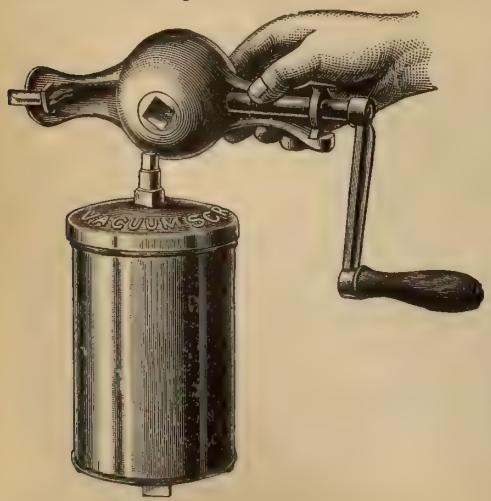
98-100 KING STREET WEST, TORONTO

Dealers Doubled their Dollars

by adopting the proposition we made them last year. We approached them then with what we *thought* would win out. **This Year** we ask you to take advantage of what *has proved* itself a winner. We have letters from dealers saying it increased their freezer business last year 200 per cent. With the first order for 1 dozen Peerless Iceland Freezers we advertise them so as to send freezer customers to your store—they will buy other goods as well as freezers. Write us. The particulars will interest you.

Peerless Iceland Freezers

Sell Easily. **Ice Cream in 3 Minutes.** **Satisfy Perfectly.**



(We have a record of one minute and forty-five seconds, but above allowance is for inexperienced people).

No complicated machinery to get out of order.

Gearing enclosed both top and bottom.

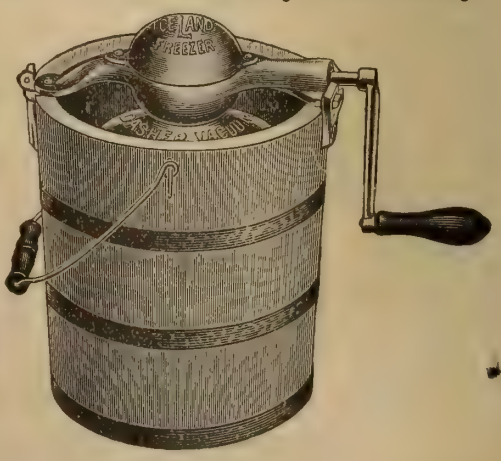
No cogs on can top to catch ice and salt.

Metal parts all coated with pure block tin.

The Freezing Freezer.

W. G. Putman had a big crowd all day yesterday, watching the man making ice cream in two and a half minutes. This was done with the Peerless Iceland Freezer, and the callers at th · store were served with the cream during the day. The freezer is substantially built and is the best on the market. Just to show what it could do one batch of cream was frozen in one and three quarter minutes. It is absolutely salt water proof.—*Peoria Herald.*

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DANA & CO., Cincinnati, O., U. S. A.
Department "R."



The Peerless Ice Chipper Made from one solid piece of steel heavily coated with tin. Chips ice properly and rapidly. Best tool made for the purpose. Saves tim and ice.

UNION HOCKEY SKATES

These goods will be found to be beautiful in design, finish and workmanship. The points of excellence are: **STRENGTH,** which is guaranteed. **WEIGHT,** which is light. **PROPER LINES** to fit sole of boot. **CORRECT EDGE** of blade, which insures power and speed. **HEIGHT and HANG** for ease of stroke and cutting corners.



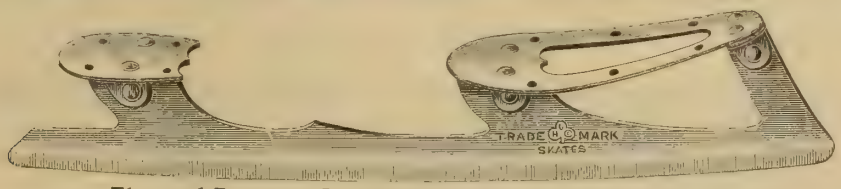
Plain Runner, Straight. Also Puck Stopper.



Flanged Runner. Also Puck Stopper.

DOMINION MFG. & SKATE CO.

MONTREAL
40 Nazareth Street.



Flanged Runner, Curved or Rocker Blade, for Ladies.

THESE PATTERNS MADE IN ALL VARIETIES OF FINISH AND QUALITY



New Model Hockey, Arched Heel.

THE LARGEST AND MOST COMPLETE LINE ON THE MARKET



New Model Waltzing, for Men and Women.

Made in Canada.

UNION HARDWARE CO.

New York Office:
95 Chambers Street.

TORRINGTON, CONN., U.S.A.

About "C" Horse-Nails.

We ask your consideration of the following reasons for our making the claim that the "C" brand horse-nails made by our company since 1865 is the best for you to buy.

First :—The material of which they are made. It is the best obtainable—Swedish charcoal steel nail rods—made especially for our work, and imported direct by us from Sweden. We unhesitatingly affirm, that no better material is used by any manufacturer of horse-nails in the world for this purpose.

Second :—The process of manufacture. We forge the nails to the desired pattern from the nail rods while they are hot, and therefore in a malleable condition. Our process thoroughly hammers and consolidates the nail, making it tough and enduring : no other method will do this as satisfactorily. Our methods for polishing, rolling, pointing and finishing the nails differ from those used elsewhere in Canada, and we are satisfied, with much better results.

Third :—When the nails are finished, they are subject to a final careful examination and sorting by hand, so as to prevent a single imperfect nail being found in a box bearing our "C" brand.

Fourth :—We guarantee to every purchaser, that each box of horse-nails bearing our name and trade mark (the letter "C") is perfect and ready for immediate use. They may be returned at our expense if found otherwise.

Any dealer who wishes to secure the farrier trade, can only do so by selling the best horse-nails : The "C" brand will be found the best They are the standard nails of Canada, and have been thoroughly tested by thousands of farriers from the Atlantic to the Pacific for the past thirty-four years.

We ask those who wish to favour us with their orders, through any wholesale hardware merchant, to be particular and specify for the "C" brand made by the

CANADA HORSE NAIL COMPANY
MONTREAL

The Round Reacting Washer.

A STRICTLY FIRST-CLASS MACHINE AT A REASONABLE PRICE.

Most Efficient

A Quick Seller

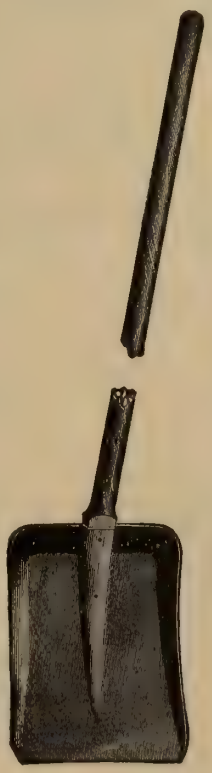


No other machine so easily operated.
Closed in—keeping suds hot and preventing escape of vapor into the room.
We commend these machines to the trade.

SEND FOR PRICES AND CIRCULARS.

The Dowswell Mfg. Co., Limited, Hamilton, Ont.

ARCTIC SNOW SHOVELS.



Strong, Light, Durable.

Suitable for snow, furnace, stable and general use.

If your stock is low and you want your order filled promptly, send it to us.

KEMP MANUFACTURING CO., TORONTO, CANADA.

HARDWARE AND METAL

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JOHN BAYNE MacLEAN,
Montreal.

THE MacLEAN PUBLISHING CO.
Limited.

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

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WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

CANADIAN VS. NEW CALEDONIA NICKEL.

THE proprietors of the nickel mines have recently issued a prospectus, which, like the prospectus of many an other concern, is not noted for its modesty. For this reason it has brought down upon it the criticism of The Iron and Steel Trades Review, of London, England.

What the paper in question considers the greatest error in the prospectus, is the statement that the output of armour plates is 120,000 tons a year. "This," remarks The Iron and Steel Trades Review, "would represent the total amount of armour required or 40 first-class battleships, and it need hardly be added that this would mean a total displacement of 600,000 tons a year, assuming an average of 15,000 tons per vessel, and that there is no likelihood of such a rate of building of line-of-battle ships—apart, of course, from cruisers and other war vessels in which very little armour is employed—over a period of years."

Another particular in which the prospectus is conceived to be an exaggeration is in regard to the importance of the New Caledonia mines. "The New Caledonia mines," says the writer in The Review, "are not likely to play nearly so important a part in supplying nickel as the mines of Sudbury, in Canada, which I had the opportunity of visiting some years ago, in the company of the well-known French metallurgist, M. Jules Gomier, who, in afterwards writing of the mines in the proceedings of the French Society of Civil Engineers, remarked that the 'difference of density between the mineral and the sterile is greater at Sudbury than at New Caledonia,' and, again, 'there is greater chance at Sudbury that we shall find a greater quantity of mineral descends to a great depth. * * * The richness will increase as the depth increases.'"

SMOOTH WIRE 10c. DEARER.

Smooth steel wire is quoted 10c. dearer this week, the base price now being $3.45 per 100 lb.

It is a little over two months since the last advance was made, but previous to that there were several rises at brief intervals.

About six months ago the base price for smooth steel wire was $2.60, nearly 32.70 per cent. lower than at present.

AN AGREEMENT ON BARBED WIRE.

THOUGH only a few isolated lots of British barbed wire have been imported, and only to points like Montreal and the Maritime Provinces, where the ocean freight rate gave it an advantage, The American Steel and Wire Trust are taking steps to make the preservation of the Canadian market for their goods doubly sure.

They have now secured the signatures of the majority of jobbers in Canada to an arrangement whereby the latter agree not to handle any barbed wire but theirs.

The exact details are only conjecture, but it is understood that such members as do not consent to the deal, will not get the benefit of the low price at which American barbed wire is sold in Canada, but will have to pay the regular American market price.

This practically means that jobbers will have to handle the goods of The American Steel and Wire Co., or none at all.

PRICE OF WIRE AND WIRE NAILS.

The price of wire nails, when the price of wire is considered, is somewhat anomalous.

The base price of wire, as fixed a few days ago, is now $3.45 per 100 lb., while the base price for a similar quantity of wire nails is $3.30 in less than carlots.

It seems clear, in view of this relatively low price in wire nails, that higher figures must eventually rule for the latter. Indeed, HARDWARE AND METAL would not be surprised if, before another week elapses, higher figures were to be put into effect on wire nails.

In the face of the present high prices on wire, it is obvious retailers cannot afford to allow their stock of wire nails to run low.

CANADA AND TRADE WITH CHINA.

THE United States has developed a good deal of aggressiveness during the last year or two in regard to the Chinese trade. The policy of Great Britain in regard to the "open door" was what first induced that friendliness toward the Mother Country which was afterwards more firmly cemented by the position which the Salisbury Administration assumed at the outbreak of hostilities between the United States and Spain.

France is also committed to the policy of the "open door." Less than two weeks ago, M. Delcasse, the Minister of Foreign Affairs, in the course of a speech before the Chamber of Deputies, declared: "We must seek to maintain the 'open door.'"

Germany is in the field, too, for a larger share of the China trade. So is Russia, and even Italy is aspiring in the same direction. Great Britain is not asleep to her own trade interests in China, but she is, perhaps, not as wide awake to them as some of her competitors are.

Canada should be as wide awake as any of the other countries are; but she appears to be the least concerned of all. Of course, her trade with the Chinese Empire is infinitesimal compared with that of Great Britain, the United States, Germany and other countries that might be mentioned. But it is not due to any belief that further expansion is not possible. It is entirely due to unconcern.

Our exports to the "Flowery Kingdom" never did amount to much, but, instead of expanding, they are growing humiliatingly less.

In 1898, the last year for which we have any figures, our exports to China were only valued at $363,191, against $761,976 in 1897, $659,758 in 1896, $367,853 in 1895 and $511,531 in 1894, and yet we have a direct line of steamers operating.

The value of our exports in 1894 was about 29 per cent. in excess of that of 1898.

The line of merchandise in which we have done better than hold our own is provisions, although even in that line there was one year (1896) in which the figures exceeded, and that materially, those of 1898. Then, the provision trade amounts to very little at any rate.

In flour, there has been a deplorable falling off, only $31 worth being sent in 1898, against $9 692 worth in 1897. The amount the United States shipped to China last year was $5,000,000.

Nothing to $5,000,000 is enough to make us put on our "thinking caps."

Cotton and manufactures of, by far the most important item in our exports to China, also sadly fell off, being only $291,627 in 1898, against $628,896 in 1897. The United States is now sending nearly $10,000,000 worth of cotton annually to that country, and they are realizing that they are only contributing a mite and are reaching out for more. During the 10 years from 1887 to 1897 the exports of cotton from the United States to China increased nearly 150 per cent. Great Britain, in 1898, exported 70,000,000 yards of bleached cotton to China and 390,000,000 yards of plain cloth.

Canada's chief items of exportation to China during the past five years were as follows:

	1894.	1895.	1896.	1897.	1898.
Cottons, and manufactures of	$462,069	$310,122	$549,211	$628,896	$291,627
Wood, and manufactures of	36 828	33,648	88,779	104,387	54,917
Metals and minerals, and manufactures of	171	8,056	13,192	13,516	7,095
Provisions	1 389	1.747	5,107	2,770	2,933
Flour	.....	1	.....	9,692	31
Fish, and fish products	640	361	29	313	725
Spirits and wines	430	714	357	688	400

According to the latest returns to hand, the aggregate foreign trade of China is about $2 50,000,000, and yet, how small that amount is when one considers that it is less than $1 per head of the enormous population of that country! Of the aggregate trade, over $100,000,000 were imports, of which less than $400,000 worth was from Canada.

China to-day offers the greatest possibilities for trade expansion of any country in the world. And it is the realization of this fact that is making all commercial nations solicitous for their interests.

Canada should join the solicitous nations.

THE ADVANCE IN PAPER BAGS.

In the article under this heading dealing with the reduction in discounts on paper bags, an item was included stating that a special discount of 5 per cent. would be allowed on sacks in lots of 10,000 and upwards when sold or delivered to one buyer. This item referred exclusively to flour sacks, no special discounts being made on paper bags.

Make the commercial traveler your friend, if you would have the bargains which are occasionally in his "grip."

ACRIMONY IN THE TRADE.

EVERYONE who is at all in touch with the wholesale and the retail cannot be but often struck with the acrimony which exists between these two branches of trade.

The retailer has the idea that the wholesaler is, as he terms it, trying "to do him up," and the latter often feels that the former is not true to him. And, instead of improving, the tendency appears to be the other way.

Where there is smoke there is certain to be fire, but in this instance the smoke appears to exaggerate the extent of the fire. And that because the two interests are not brought into close enough touch with each other.

The more wholesaler and retailer is acquainted with each other the less possibility will there be of friction and the more easily will the cause of friction be removed when it really does exist.

We believe that much could be done towards bringing this about, were the different interests well organized.

The wholesalers have of late done much towards perfecting their organization, but the same cannot be said of the retailers.

If the wholesalers and retailers were both well organized, the rectifying of grievances and the explanation of new arrangements and methods could be much more expeditiously done than can be under the present condition of affairs.

When a merchant gets out of "sorts" with a commercial traveler, he gets out of touch with him—an unprofitable condition, as a rule.

RAILWAY DISCRIMINATION AND HARDWARE TRADE.

THE Montreal Metal and Hardware Association at its annual meeting, Wednesday, discussed the important matter of railway freights and the effect of the recent changes in the schedules.

It was the concensus of opinion that the subject was so complicated and its ramifications so wide that it could not be intelligently considered off-hand. Accordingly, a special committee composed of Messrs. Geo. Caverhill, Wm. McMaster, Jas. MacCormack and W. W. Near, was appointed to investigate the matter in all its details, and then arrange for a conference with the two railway companies.

Aside, however, a glance at some of the rates makes it clear that Montreal dealers are strongly discriminated against. This, of course, is nothing new, but the circumstances are worse now than ever.

A cursory glance at the schedule reveals numerous examples of this. For instance, the rate from Montreal to Toronto on leading lines of iron material is 22c., and from Montreal to Sarnia 28c.

In striking contrast to this the rate on the same goods from Boston to Sarnia is 20c.

This practically means that the railway companies pay 8c. per 100 lb. for the privilege of carrying goods the somewhat lengthy distance from Boston to Montreal.

SOIL PIPE ADVANCED.

The discount on soil pipe and fittings has been reduced 5 to 10 per cent. On medium and extra heavy pipe the discount is now 50 per cent., instead of 50 and 10 per cent., while that on light pipe is 45 per cent. instead of 50 per cent.

MORE STEEL WORKS PROPOSED.

A despatch from Sydney, C.B., reports the announcement that on Monday, December 4, the General Mining Association mines, at Sydney Mines, C.B., passed into the hands of a syndicate for the purpose of cooperating in the founding of a mammoth steel and iron-founding industry at Sydney Mines. The syndicate has secured an option on the whole General Mining Association for six months at a fixed price of purchase, $1,500,000. Engineers are now surveying sites for coke ovens near the old pit. If the deal goes through, and there is no doubt but it will, there will be an entire change of management, and a concern involving an outlay of $6,000,000, and iron smelting works to rival those of The Dominion Iron and Steel Co. are building at Sydney, will be started at Sydney Mines.

SHOT IS DEARER.

The price of shot has, in sympathy with the advance in lead, been raised 40 to 50c. per 100 lb. Ordinary shot is now quoted at $5.25, and chilled $5.50 f.o.b. Toronto.

CONFERENCES OF FIRMS AND THEIR TRAVELERS.

THE closer the manufacturer or the wholesaler can get into touch with his travelers the better it is for his business, for the travelers, having their finger at all time on the pulse of the customers, are better acquainted with their condition and temperament than anyone else. They consequently know what is best suited for them.

The realization of this fact has induced a number of manufacturing concerns to annually hold what may be termed a convention of their travelers. The time for holding them is when trade is at its quietest, which is usually about Christmas. The Canada Paint Co., Limited, The Sherwin-Williams Co., and the Heinz pickle company are firms we have in mind which regularly hold these conventions.

There are a good many firms whose travelers are in the house every week or so, and it is not as important that conventions should in such instances be held. But even in such instances as these the firm would be the gainer and not the loser by such gatherings.

The practice in most cases where these conventions are held is to have a certain number of the travelers prepare papers or addresses on certain phases of the particular business in which they are engaged.

The underlying principle of these papers is the furtherance of the interests of the firm, and in these papers and the discussions which follow a great deal is brought out which is not only helpful to employer, but to employe as well.

This is worth considering by every firm which employs travelers, for even where travelers are frequently in the house there is not time for full consideration of questions appertaining to the welfare of the business.

ENGLISH VS. GERMAN CEMENT.

THE selling basis for cement in Montreal is now ex store, and not ex wharf. This means an advance of 10c. all around, as a reference to our regular market report will show.

In this line the effect of the preferential tariff has been apparent, inasmuch as it has reduced the difference between English and European continental cements that formerly prevailed.

The result has been an increase in the season's importations of English cement, and a decrease in those from Germany and Belgium.

The imports of the latter for the season just closed were 177,714 casks, against 274,175 last year, a decrease of 100,000 odd.

On the other hand, the importations of English cement have been 47,350 casks, against 38,075 in 1898, an increase of 9,000.

It will be noted, though, that the bulk of the consumption is still supplied by the continental article.

HARDWARE TENDERS AWARDED.

At a meeting of the Board of Control of the Toronto City Council on Tuesday the following contracts were recommended for acceptance: Wire nails, Ontario Lead and Wire Co., $3.34 per 100 lb.; hardwood lumber and lumber for sidewalking, Reid & Co., their price for plank being $14.43, scantling $14.23, boards, $13.93; cedar paving posts, Dominion Paving Co., $5.43; lead pipe, Ontario Lead and Wire Co., $4.95 per 100 lb.; cast iron pipe, Rice Lewis & Son, 4-in. $4.66, 6-in. $6.95, 8-in. $10.48, 12-in. $20; hydrants, Rice Lewis & Son, 4-way $62.25, 3-way $35.25, 2-way $33.25; iron valve and stop-cock boxes, Rice Lewis & Son, from $1 to $2.52 each; coal and wood, McGill & Co., cut and split hardwood $6.50, pine wood $4.45, pine slabs $3.48, hardwood, long, $6; coal, soft, $4 95; egg, nut, stove and grate, $5.25; Blossburgh, $4.65.

SOME IDEAS AND IMPRESSIONS.

Gathered During a Holiday Trip to New York.

(Continued.)

OF course, everyone who visits New York visits the gallery of the Stock Exchange. It is a Mecca to which no one can afford not to make a pilgrimage. Neglect may not bring down the wrath of Heaven, but it is certain to incur the condemnation of one's friends. My own curiosity, however, was sufficient to impell me to visit the famous Exchange, without any thought of what my friends might think or say if I did not.

"Be sure and be there at about 10 minutes to 10 o'clock," urged a friend of mine. And, of course, I did as I was bid. There were only a few visitors in the gallery at the time; but the floor of the Exchange was already crowded with members, who, I should think, were 300 or 400 in number. The members were strolling about the floor waiting for the "game" to start. But presently they began to gather in little groups around the different stock centres. By far the largest group was around Leather, for Leather was at that time enjoying somewhat of a boom. In fact, there was nothing like Leather that day. The nearer it got to 10 o'clock the nearer the men in the respective groups got together. Those in the Leather group put me in mind of a crowd trying to elbow its way into a theatre where the attraction was some celebrity. But, instead of heads craning forward, they were all inclined towards the left shoulder, like wheat gently swept by a breeze. The president of the exchange sat like a judge upon the bench, with gavel in one hand and watch in the other. It was that, I soon gathered, which attracted the heads of the Leather group to the left. And it was evidently the desire to catch the fall of the gavel before the sound could reach them.

Did you ever in your childhood play that "highly scientific" game, "snap"? If you have, you will remember that he who speaks first takes the "pile." Well, just as soon as the president's gavel fell I was reminded of "snap," for nearly everyone of the several hundred men on the floor seemed to try to be the first to raise his voice, and to raise it as high as his lung power would permit. I expected something, but I did not expect so much. And for the moment I felt a little startled.

I had heard the members of the exchange described as being like a lot of maniacs. That is certainly not the impression I received. They were too intelligent-looking for that. Some you might think were at times erratic, and scores of them you would think were on the point of coming to blows. Two men would begin throwing "sixteenths," "eighths" or other fractions at each other with, perhaps, a score of men between them. Suddenly they would stop shouting and begin to ferociously elbow their way through the crowd toward each other. But, just as they got within arms' length of each other, instead of coming to blows they suddenly stopped, pulled out writing pads and began to write as vigorously as their tongues before had been wagging. They were recording a transaction.

The only people who appeared to be unexcited were the officers of the exchange, the telegraph operators and the message boys. The unconcern of the message boys irritated me. An excited member would rush toward one of these messengers and hurriedly put into his hand a slip of paper recording a transaction. But there was no hurry about the messenger boy. He strolled away at a snail pace, and ten chances to one would stop in his journey to gossip with one of his confreres. I felt like kicking him. But no one on the floor seemed to have the same desire. And I suppose the Stock Exchange, like life, is, after all, made up of incongruities. I watched the proceedings until I was tired, but there seemed to be no tiring on the part of the members, and I took my departure.

From the Stock Exchange I dropped into the Produce Exchange. What a difference! Around the wheat pit were gathered a score or so of men. Sometimes half-a-dozen would raise their voices at once. But there was nothing approaching the excitement that was so marked in the place I had just left. In the gallery of the Stock Exchange I had a host of companions, but here I was alone.

But, by-and-bye, after having obtained a pass, I found my way, via the elevator, to the top of the tower of the Produce Exchange. And there I was interested. I do not think there is better vantage ground in the city from which to view lower New York and the Bay than from this 17-storey tower. Within what appears to be almost a stone's throw are bustling, puffing and whistling tugs, steamboats and ferryboats, all on a mission, and all trying to perform it as quickly as possible—"carrying a message to Garcia," as it were. On one side, a view of the East River, Brooklyn and Brooklyn bridge was obtained, and, on the other the busy North River with its ocean steamships and their piers, and, beyond that, smoky New Jersey. Away to the south was the Statue of Liberty, standing out of the water like a giantess, if not like a goddess, while, still farther beyond, are Staten Island and the lower bay.

Talking of the Statue of Liberty reminds me of an afternoon's visit I paid to the goddess. The goddess is like a good many women, the farther you are away from them the more imposing they are. The goddess, to me, certainly looked more imposing a mile away than she did a hundred yards away. But I have no desire to belittle her. If I ever had had such a notion, the climb up the 154 steps which wind around her inside took it out of me. By the time I had reached her waist I almost began to wish I had never undertaken the task to climb to her head. It was a perpetual winding round and round, and the higher one got the more rapidly one went round. Most of the time there was darkness most pronounced, and the little light one did get was from ill-smelling coal oil-fed lanterns. Finally, after what seemed an age, the interior of the goddess' noble head was reached, where a dozen or more of us comfortably stood. And what a relief, as the sea breeze blew in! And what a view, as we peeped through the crown of the goddess! The tugs, 200 feet below, looked like toys and the ocean steamers like small craft. The sight was worth the journey; but once a year would be often enough for me to make the journey. For it is not alone the journey up that makes one puff and perspire; the going down does the same thing. But it is not every day one can get into the head of a goddess, although a goddess may daily get into the head—and heart, too—of some of us poor, foolish men.

The sun had set when our steamer began to wend its way back to the Battery. And soon that grey and reddish glamor, which reminds one that the curtain of night is beginning to be rolled down, hid the base of the statue. Then Bartholdi's heroic figure did indeed look like a goddess, for it

WIRE NAILS
TACKS
WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

appeared to be resting upon a cloud, not upon the earth. And the faster the shadows gathered, the more to my fancy did the statue become supernatural. As I watched, a tiny light appeared in the torch she held. It was the electric light ; and looked as if one of the stars, which had just begun to peep out, had settled upon the uplifted hand of the goddess, who appeared, at the moment, to be bending over looking for something or someone. Perhaps it was for the sons of Liberty. W.L.E.

CANADIAN PRODUCTS WANTED.

THE following were among the inquiries relating to Canadian trade received at the Canadian Government Office in London during the week ended November 17 :

1. Walnut boards of good quality, and wooden screws, are required in considerable quantities by a London firm.

2. The names of Canadian makers of sporting ammunition, such as 22 calibre rim fire ball cartridges used for shooting gallery purposes, and any other cartridges for small bore sporting rifles, are inquired for.

3. Inquiry is made for firms in Canada who would supply cheap wood mantelpieces to be sent over in a knock down condition.

4. A manufacturer of fancy goods (plush photo frames, fancy caskets, fitted-up cases, etc.) wishes to appoint an agent for the sale of these goods in the Dominion.

5. A large firm of manufacturers of enameled, tinned, galvanized and japanned hollow-ware, saucepans, buckets, pails, etc., desire to do business with Canadian houses, and ask to be placed in communication with buyers.

6. The names of one or two firms engaged in the refining of maple sugar, who could export extensive quantities of maple syrup for table use, are asked for by an important firm, who are disposed to import on a large scale if a satisfactory arrangement can be effected.

7. An Irish firm ask for the names of firms who supply wood cut to sizes for boxes.

8. A Liverpool house, doing a general importing and exporting trade in produce and manufactures, are ready to consider proposals for handling Canadian goods, and will act as purchasing or sales agents for one or two good firms.

9 A well-known firm of merchants are open to buy wall papers suitable for English markets—width, 21 inches. All goods ex wharf, London.

10. Inquiry is made by a Staffordshire firm for the names of Canadian houses open to purchase general machinery and rails, new and second-hand. They are also open to buy and sell all scrap metals.

11. The names of Canadian exporters of fruit pulp are asked for by a wholesale confectioner in Scotland.

Information in regard to any of the above paragraphs sent to HARDWARE AND METAL will be forwarded to destination.

Paint Profit.

Good paint means good profit. It means a constantly increasing business and a growing reputation.

Properly handled the paint business is a greater money-maker than most others. There are three essentials : A good paint, a fair price, and good advertising.

THE SHERWIN-WILLIAMS PAINT

gives you all of these at their best. It is the best paint that can be made. It is sold at a price that its quality warrants, and that gives the dealer a good margin of profit. It is the best advertised paint on the market.

Thousands of dealers are making a big success of the paint business with our goods. We are doing the same ourselves. We believe every man who takes hold with us can do the same.

If you are interested in making your paint business pay, write us.

THE SHERWIN-WILLIAMS CO.
PAINT AND VARNISH MAKERS.

Canadian Division :
21 St. Antoine St.,
Montreal.

CLEVELAND. BOSTON.
CHICAGO. TORONTO.
NEW YORK. SAN FRANCISCO.
MONTREAL. KANSAS CITY.

A WHITE GLOSS ON RADIATORS.

Steamfitters will be interested in the following instruction to painters given in The Painters Magazine for finishing old radiators with a white gloss. To prepare the surface use old files and wire brushes to thoroughly remove all the old paint and loose scales, wash down with benzine and allow to dry. Give a priming coat of flake white in Japan, thinned with turpentine only, and allow to dry hard. Next give a coat of Fench zinc in damar varnish, also thinned with turpentine, to which is added a little white enamal varnish, say one tablespoonfull of varnish to a pint of thinned zinc paint to produce a faint egg-shell gloss. For the finishing coat use French zinc in damar varnish, thinned to brushing consistency with a good pale baking varnish. If heat can be introduced to bake on every coat blistering need not be feared, but if heat cannot be had until the job is finished every coat must be given plenty of time to thoroughly harden before another is applied.

THE CANADA PAINT CO.

The travelers of The Canada Paint Co. have all been notified to attend the annual meeting of the officials and salesmen, which will commence in Montreal on Monday, December 11. It is is understood that the company has had a most successful year's business, and large additions to its works in Montreal and Toronto are now in progress, to keep pace with the extraordinary increase in the output which The Canada Paint Co. is now experiencing. In the absence of the travelers, letter orders will receive the usual prompt attention and quick shipment.

PATENT REPORT.

Below will be found a list of patents recently granted by the Canadian Government, through Marion & Marion, solicitors of patents, New York Life building, Montreal : 63298, Louis Alphonse Nadeau, Iberville, Que., neckyoke ; 63299, Louis Alphonse Nadeau, Iberville, Que., poletips; 65050, Amedee Lecourse, Ville St. Paul, Montreal, chair ; 65067, Mrs. Victorine Lambert, Glens Falls, N.Y., pattern for cutting skirts; 65078, Alf. E. Luttrell, Lanneeston, Australia, rotary pump; 65188, Albert Kryzat, Berlin, Germany, machine for twisting and knotting threads ; 65097, John Stewart McIlraith, Baldurson, Ont., heating system.

WIRE FENCES AND WIRE GATES.

MR. H. L. FROST, secretary and manager of the Frost Wire Fence Co., Welland, Ont., was in Toronto the other day, where he was seen by a representative of HARDWARE AND METAL.

The Frost Co. started in business as manufacturers of wire fences last year, and from the start their products have been received with favor on the Canadian market.

"Is your business still growing?" was the first quention asked Mr. Frost.

"Decidedly so," came the reply; "we are doing six times as much every month this year as we did last year."

"What is this increase due to?"

"Largely to the facts that we are becoming better known to the trade, and that we make good fences."

"Do you make anything besides wire fences?"

"Yes; we make a patent metal gate. This has also been kindly received. Our first gate was made on October 3, last year. Since then we have made 3,000 of them. As we have only about 500 left in stock, we consider the sale of 2,500 gates in the first year's business a good beginning."

"Are you busy at the works now?"

"Yes; we have three months' orders ahead, and are working full time, to be ready for all business offering next year. We are looking for further increases in our output next year. By the way, the people of Welland are treating us well. Here is what one of the local papers said about us the other day."

From the article Mr. Frost showed me I extracted the following: "The vessel Eliza Allan, of Port Dover, arived on Wednesday morning from Cleveland with 200 tons of wire for The Frost Wire Fence Co., whose business continues to increase with almost incredible rapidity month after month. The manufacture of wire fencing and gates may now be rightly called one of Welland's chief industries."

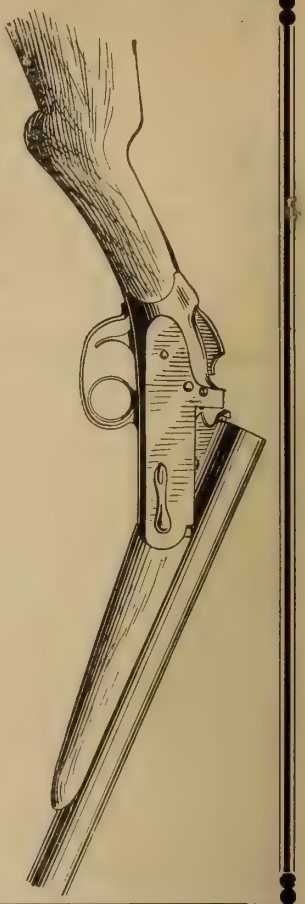
MATERIAL FOR CAPE BRETON FURNACE.

Shipments from Philadelphia will begin this week on the contracts for blast furnace and steel works erection at Sydney, Cape Breton, for The Dominion Iron and Steel Co. The Riter-Conley Manufacturing Co., of Pittsburg, has the contract. Shipments by rail have already been made to Montreal of 1,500 to 2,000 tons of iron and steel and other material. For the water deliveries this winter 20 to 25 steamers out of Philadelphia will be needed. From 12,000,000 to 15,000,000 firebricks will be sent via Philadelphia—Iron Trade Review, November 30.

Get a Gun!

— AN —

IVER JOHNSON



For POLICE, HOUSE, or POCKET USE the

Iver Johnson Safety Automatic Revolvers

ARE UNEQUALLED.

Their Accidental Discharge is Impossible.

Write for Prices.

Iver Johnson's Arms & Cycle Works

BRANCHES—
NEW YORK—99 Chambers St.
BOSTON—408 Washington St.
WORCESTER—304 Main St.

FITCHBURG, MASS.

Have You Ever Used Gilbertson's

"COMET"

BRAND

OF GALVANIZED SHEETS?

If not, why not give it a trial? The Sheets are patent flattened, uniform in quality, well galvanized, and suitable for any work that Galvanized Sheets are used for. Weight and count of Sheets per case equal to any brand imported.

Another important consideration why you should buy these Sheets is the price, which is **LESS** than that of any other high-class Galvanized Sheet in the market.

STOCKS CARRIED BY ALL WHOLESALE JOBBERS.

If your jobber does not stock it, full information can be had by addressing

ALEXANDER GIBB,

22 ST. JOHN ST.,

AGENT FOR MAKERS. **MONTREAL.**

H. S. HOWLAND, SONS & CO.

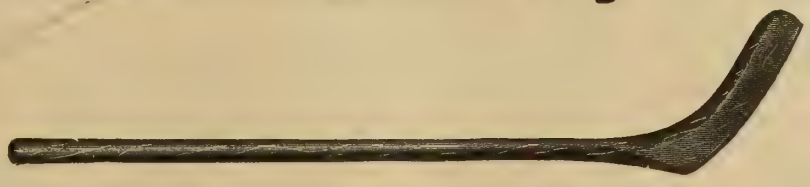
WHOLESALE ONLY

37-39 Front Street West, **Toronto.**

ONLY WHOLESALE

"Mic-Mac" Hockey Sticks.

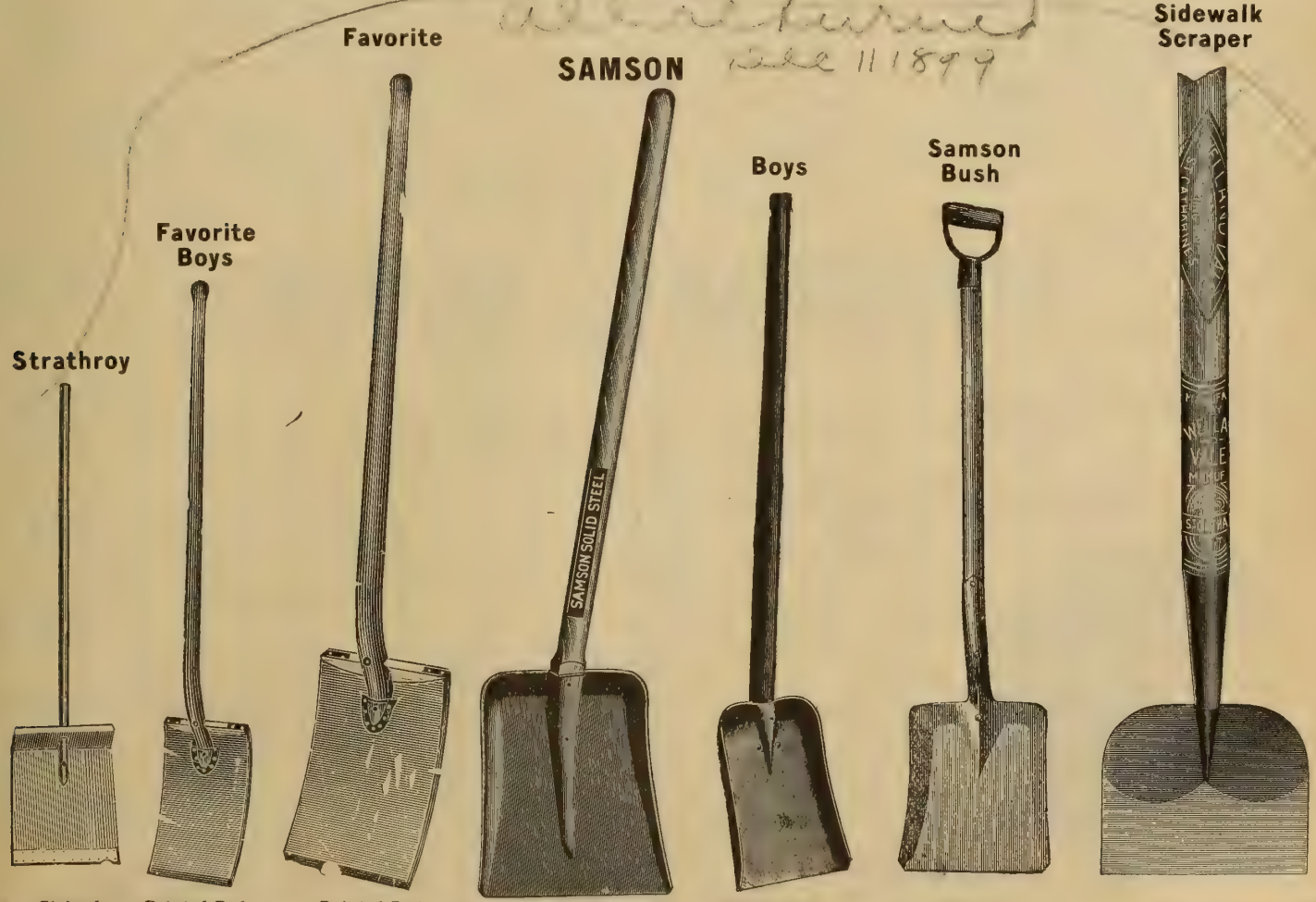
"**Mic-Mac**" Natural-Grown Crook.



"**Mic-Mac**" Natural-Grown Crook.

The "Mic-Mac" Sticks are superior to all others. They are not bent by **artificial** means, but are shaped when growing, therefore, they have a **natural** crook.

SNOW SHOVELS



Stained 12, 13, 14-in. Assorted

Painted Red 6, 7-in. Rival, Plain, 6-in.

Painted Red 12, 13, 14-in.

Solid Steel Snow or Stable 14 x 15, Jap.

Solid Steel 10 x 12½, Jap.

Lumberman's D Top, All Black.

Solid Steel 7½-in. wide.

H. S. HOWLAND, SONS & CO., TORONTO

OUR PRICES ARE RIGHT.

Graham Wire and Cut Nails are the Best.

ORDER AT ONCE.

MARKETS AND MARKET NOTES.

QUEBEC MARKETS.

MONTREAL, December 8, 1899.

HARDWARE.

THERE has been no great activity to note in the general hardware market this week, but a fair seasonable trade is doing. Smooth steel wire has been advanced 10c., and fence staples are 20c. higher than they were. Wire nails, horse nails, horseshoes, screws, bolts, rivets, and seasonable lines like cutlery, have contributed the bulk of the week's movement.

BARBED WIRE — Orders for forward shipment are reported, but the market generally is quiet. Prices are unchanged at the rise, $3 60.

SMOOTH STEEL WIRE —There has been an advance of 10c. in the price of smooth steel wire, which is now $3.45.

GALVANIZED WIRE — Business continues dull, a few orders for forward delivery only being noted. We now quote: Nos. 6 to 8, $4.25; No. 9, $3.55; No. 12, $3.70, and No. 13, $3.85.

FINE STEEL WIRE—Unchanged at 12½ per cent.

BRASS AND COPPER WIRE — Discounts are: 50 and 2½ per cent. on brass and 45 and 10 per cent. on copper.

FENCE STAPLES—The expected advance has materialized in these, prices being 20c. higher on bright at $3.75, and the same on galvanized at $4.35.

FINE STAPLES—The only change in these is an advance of 5 per cent. on poultry netting staples. Discounts are as follows: Coopers' staples, 50 per cent.; poultry netting, 40 per cent., and electrical, etc., 40 per cent. discount off list.

WIRE NAILS—There is a moderate trade in these, and prices are steady. We quote the base $3.30 net on the standard, with miscellaneous sorts 72½ per cent. discount off list.

CUT NAILS—Trade is light in cut nails, and prices are steady at $2.60 per keg f.o.b. the usual delivery points.

HORSE NAILS—Quiet with a firm tendency. Discounts remain 50 per cent. on standard and 50 and 20 on Acadia.

HORSESHOES—A fair trade is noted in these. We quote: Iron shoes, light and medium pattern, No. 2 and larger $3.70; No. 1 and smaller, $3.95; snow shoes, No. 2 and larger, $3.95; No. 1 and smaller, $4.20; X L steel shoes, new light pattern, No. 2 and larger, $4.00; No. 1 and smaller, $4.25; feather-weight, all sizes, Nos. 0 to 4, $5.25; and toe weight steel shoes, all forward, all sizes $6.35 f.o.b. Montreal, St. John, N.B., and Halifax, N. S. Delivered f.o.b. in Toronto, Hamilton, London and Guelph 10c. per 100 lb. extra.

SCREWS — There is a good inquiry for these. Discounts: Flat head, bright, 80 per cent.; round head do., 75; flat head, brass, 75; round head do., 67½.

BOLTS — Business is moderate. Discounts are as follows: Carriage bolts, 5-16 and smaller, 50 per cent.; ⅜ and up, 50 per cent.; full square bolts, 65 per cent.; machine bolts, 52 per cent.; coach screw bolts, 65 per cent., and sleighshoe bolts, 70 per cent.

NUTS AND WASHERS—Unchanged. We quote as follows: Square nuts, 3½c. per lb. off list, and hexagon 4c. per lb. off

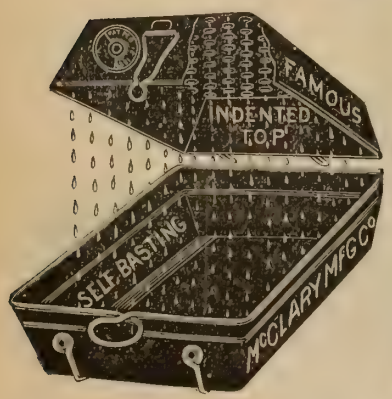
...SEASONABLE GOODS...

TURKEY TIME IS NOW AT HAND

Is your stock of—

SELF-BASTING Roasting Pans

COMPLETE.



WE MAKE THREE SIZES

	Length	Width	Depth
No. 20,	14	10	7
" 30,	16	11½	8
" 40,	18½	12½	9

Wire shoes on bottom prevent any burning.

The indented top collects condensed steam, which drops onto the eat, basting it thoroughly.

It is thoroughly ventilated.

FOR A CHRISTMAS GIFT

Nothing could be wished better than

...Decorated Steel Enamelled Wares



WE DECORATE IN A VARIETY OF DESIGNS:

Tea and Coffee Pots,
Cups, Saucers and Mugs,
Children's Plates,
Toiletwares,
Water Pails, etc.

Send a sample order. Order early and avoid being disappointed.

THE McCLARY MFG. CO., - London, Toronto, Montreal, Winnipeg, Vancouver

2½ to 5 per cent. saved on

galvanized iron is 5 to 10 in

e wages account.

Apollo Iron and Steel Company
26 St Sulpice Street
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Cements { PORTLAND, ROMAN, KEENE'S
Bricks . . { FIRE, BUILDING, PAVING
Sand . . . { SILICA FIRE, MOULDING, BUILDING

F. HYDE & CO.
31 Wellington street, MONTREAL

English Castor Oil
GUARANTEED PURE.
Pharmaceutical, Tasteless, Cold Drawn
First Pressure
Second Pressure
In cases of 2 tins and in barrels. Stocked by all Hardware, Oil and Color men.
The Hull Oil Manufacturing Co.
LIMITED
B. & S.H. THOMPSON & CO.
Agents for Canada - MONTREAL

CANADA IRON FURNACE CO., Limited
Manufacturers of
CHARCOAL PIG IRON
MONTREAL.
BRAND "C.I.F." THREE RIVERS
PLANTS AT
Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.
Geo. E. Drummond,
Managing-Director and Treasurer

list. Washers in 50-lb. boxes are 35 to 40 per cent. discount.

RIVETS—Business is fair. Discounts are: Black and tinned, 45 per cent.; ditto burrs, 40 per cent.; copper rivets and burrs, 35 per cent.

CORDAGE—Steady. We quote: Manila, 14½ to 15c. for 7-16 and up, and 15½ to 16c. for ⅜ up. Sisal, 12 to 12½c. for 7-16 and up, and 13 to 13½c. for ⅜ and up.

SHOVELS — Orders are fair on forward account.

CUTLERY — A fair seasonable inquiry is noted, especially for fine table cutlery, carving sets, etc.

FIREBRICKS — Firmer at $19 to $24 per 1,000, as to brand.

CEMENT — Prices are advanced. We quote: Belgian, $2.10 to $2.40; English, $2.45 to $2.60; German, $2.60 to $2.80.

METALS.

The heavy iron and metal market maintains its firm disposition all around, while business is quiet.

PIG IRON—The strength in this material continues, and sales of Scotch pig are noted for delivery next spring at rates current today, viz., $26 to $26.50.

BAR IRON—The market is firm, but trade is quiet at $2.50 for jobbing lots.

BLACK SHEETS—Rule stiff at the recent rise. We quote: 8 to 15, $3.10; 18 to 20, $2.90; 22 and 24, $2.95; 26, $3.10, and 28, $3.15.

STEEL—Steady at the advance. We quote: Sleighshoe, $2.85; tire, $2.85; spring, $3.60; machinery, $3.75, and toe calk, $3.50.

GALVANIZED IRON—Strong, with a fair inquiry for future shipment. We quote: No. 28 Queen's Head, $4.75 to $5.00, and No. 26, $4.50 to $4.75; Comet, No. 28, $4.45 to $4.70, and No. 26, $4.15 to $4.45.

INGOT COPPER—No further change is to report, prices ruling at 18¼ to 18½c.

INGOT TIN—Is unchanged at 33c. for Straits, and 35c. for Lamb and Flag.

LEAD—Firmly held at $4.50.

SHOT—As last quoted, 5½c. for ordinary and 6¼c. for double chilled.

LEAD PIPE—The makers held a meeting this week, but no change resulted. Prices are 7c. for ordinary and 7½c. for composition waste, with 15 per cent. off.

IRON PIPE—Firmly held but quiet. We quote: Black pipe, ¼ to ⅜, $3.40; ½, $3.60; ¾, $4; 1, $5.75; 1¼, $7.50; 1½, $9.75, and 2-in., $12.75.

TINPLATES — There is no change, coke being quoted at $4.40 and charcoal at $4.75.

CANADA PLATES—Prices have advanced 20c. as predicted the other week. We quote: 52's, $2.80; 60's, $2.90; 75's, $3; full polished, $3.40; galvanized Canada plates, $4.55 for 52's.

HENRY WRIGHT & CO.'S
Anvils and Vises
RIGHT in PATTERN in QUALITY in PRICE
IN STOCK IN MONTREAL.
A. C. LESLIE & CO.
MONTREAL.



IRON AND BRASS
Pumps
Force, Lift and Cistern Hand and Power.
For all duties. We can supply your wants with —quality the best and prices right. Catalogues and full information for a request.
THE R. McDOUGALL CO., Limited
Manufacturers, Galt, Canada.

ADAM HOPE & CO.
30 JOHN STREET N.
Hamilton, Ont.
GALVANIZED SHEETS
"QUEEN'S HEAD"
"COMET"
"APOLLO B B"
"JUNIATA"
STEEL SHEETS
20 to 28 Gauge
TIN PLATES
CANADA PLATES
SHEET ZINC
RUSSIA IRON

NOVA SCOTIA STEEL CO.
Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
Open Hearth Steel

TERNE PLATE—Unchanged at $8.

SWEDISH IRON — Frmly held at $3.75 under light stocks.

COIL CHAIN — Quiet and steady. We quote: No. 6, 12c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-inch, $8; 5-16, $5.65; ⅜, $5.05; 7-16, $4.80; ½, $4.65; 9-16, $4.50; ⅝, $4.45; ¾, $4.40; ⅞ and 1 inch, $4.40.

JACK CHAIN—The same, at 35 per cent. on steel and 40 per cent. on brass.

SHEET ZINC — Cask lots are unchanged at 7c.

ANTIMONY — As last quoted at 10¼c.

SPELTER — Featureless, at $6.25.

GLASS.

Business is almost motionless in window glass. We quote as follows: First break, $2.00; second, $2.10 for 50 feet; first break, 100 feet, $3.80; second, $4.00; third, $4.50; fourth, $4.75; fifth, $5.25; sixth, $5.75, and seventh, $6.25.

PAINTS AND OILS.

There is little to report in this department, the only change being an advance of seal oil to 37½ to 40c., supplies of which are scarce. We quote:

WHITE LEAD—Best brands, Government standard, $6.37½; No. 1, $6; No. 2, $5.62½; No. 3, $5.25.

DRY WHITE LEAD—$5.25 in casks; kegs, $6.

RED LEAD—Firm; casks, $4.75; in kegs, $5.

WHITE ZINC PAINT—Pure, dry, 8c.; No. 1, 6½c.; in oil, pure, 9c.; No. 1, 7½c.

PUTTY —We quote: Bulk, $1.65; bladders, in bbls., $1.80; bladders, in cases, $1.95; in tins, $2.05 to $2.30.

LINSEED OIL — Raw, 63c.; boiled, 66c., five to nine-barrels, 1c. less, ten and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—Single barrels, 77c.; two to four barrels, 76c.; five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Firm; $1.10 to $1.30 per gallon.

CASTOR OIL—Firm; 7½ to 8c.

SEAL OIL—37½ to 40c.

COD OIL—32½ to 35c.

NAVAL STORES—Fair demand for all lines, and prices show no change: Resins, $2.75 to $4.50, as to brand; coal tar, $3 to $3.50; cotton waste, 4½ to 5½c. for colored, and 6 to 7½c. for white; oakum, 5½ to 6½c., and cotton oakum, 9 to 11c.

PETROLEUM.

Fairly active and steady, at 18c. for "Acme," and 17c. for "Silver Star."

HIDES.

Beef hides are up ½c. all around. No. 1, 10½c.; No. 2, 9½c., and No. 3, 8½c. Lambskins are 85c.

COAL.

Active, and 25c. higher. We quote: Stove, $6; chestnut, $6; egg, $5.75; Scotch grate, $6.25; Scotch steam, $4.25 to $4.75; Tower ports steam, $3.75 to $4.

MONTREAL NOTES.

Poultry netting staples have been advanced 5 per cent.

Canada plates are 20c. per box up on last week's bases.

Fence staples are 20c. higher all around, both on bright and galvanized.

There has been a rise of 10c. per 100 lb. in the base price of smooth steel wire.

ONTARIO MARKETS.

TORONTO, December 8, 1899

HARDWARE.

THE most interesting feature in regard to the wholesale hardware trade is an advance of 10c. per 100 lb. in the base price of smooth steel wire. Other lines of staples are unchanged, although an advance in wire nails is not at all unlikely within the next few days. The demand for wire nails is fairly good, but cut nails are as quiet as ever. Screws are in active demand, and a fair trade is being done in bolts and rivets and burrs. Cutlery is in good demand, and, in fact, a fair trade is being done in all seasonable lines.

BARBED WIRE—Outside a few orders are being booked for future delivery. We quote $3 60 Toronto, and $3.25 f. o. b. Cleveland for carlots, and $3.35 for smaller quantities.

SMOOTH STEEL WIRE — Prices have been advanced 10c. per 100 lb., making the base figure $3.45. Quite a few orders have been booked for spring delivery in oiled and annealed wire.

GALVANIZED WIRE — A little business is being done for future delivery. We quote: Nos. 6, 7, 8 gauge, $4.25; No. 9, $3.55; No. 10, $4.40; No. 11, $4.45; No. 12, $3.70; No. 13, $3.85; No. 14, $5.00; No. 15, $5.30; No. 16, $5.50.

WIRE NAILS—The demand is fairly good, and the tendency of prices is upward in sympathy with the advance in smooth steel wire. In the meantime, however, we still quote $3.22½ Toronto for carlots and $3.30 for smaller quantities.

CUT NAILS — Very little doing. Base price is unchanged, at $2.60 f.o.b. Toronto, Hamilton and London.

HORSE NAILS—Businceess continues to be fairly good. We quote: Standard, oval

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON' KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL


COVERT MFG. CO.
West Troy, N.Y.
DERBY SNAP.
With Plated Rust Proof and Guarded Spring.
"THE LATEST AND BEST."
For Sale by all Jobbers at Manufacturers' Prices.

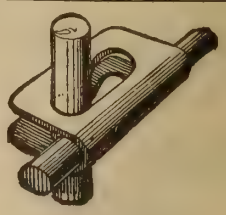
PRIEST'S CLIPPERS

BALL BEARINGS
Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA

COATES' CLIPPERS

HAND AND POWER. easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel, and will not heat. 1899 catalogue ready.
Coates Clipper Mfg. Co.
WORCESTER, MASS


Pullman Sash Balance Co.
Makers of the
"Pullman" Hardware Specialties
Main Office and Works,
Rochester, N.Y., U.S.A.
On sale all round the globe.


Besides our famous COILED SPRING WIRE we manufacture an . . .
All-Metal Gate
which sells cheaper than any other. Its quality, too, is unequalled . . . .
The Frost Wire Fence Co.,
WELLAND, ONT.

head, 50 per cent.; Acadia countersunk head, 50 and 20 per cent.

HORSESHOES—Business keeps much the same as before, namely, fairly good. We quote f.o.b. Toronto, Hamilton, London and Guelph, as follows: No. 2 and larger, light, medium and heavy iron shoes, $3.80; snow shoes, $4.05; light steel shoes, $4.10; featherweight shoes, all sizes, $5.35. No. 1 and smaller, light, medium and heavy iron shoes, $4.05 per keg; iron snow shoes, $4.30; light steel shoes, $4.35; eatherweight steel shoes, all sizes, $5.35.

SCREWS—A good trade is still being done. We quote: Flat head bright, 80 per cent. off the list; round head bright, 75 per cent.; flat head brass, 75 per cent.; round head brass, 67½ per cent.; flat head bronze, 67½ per cent.; round head bronze, 62½ per cent.

BOLTS AND NUTS—Business is fair for this time of the year, although not as brisk as it was a short time ago. We quote as follows: Norway bolts, full square, 65 per cent.; common carriage bolts, all sizes, 50 per cent.; ditto, full square, 65 per cent.; machine bolts, all sizes, 52½ per cent.; coach screws, 65 per cent.; sleighshoe bolts, 70 per cent.; blank bolts, 52½ per cent.; bolt ends, 62½ per cent.; nuts, square, 3½c. off; nuts, hexagon, 4c. off; tapping nuts, 60 per cent.; tire bolts, 60 and 10 per cent.; stove bolts, 60 and 10 per cent.; plough bolts, 50 per cent.

RIVETS AND BURRS—A moderately good trade is being done. We quote as follows: Carriage section, wagon box, rivets, etc. (steel), 60 per cent. off the list; ditto (Norway iron), 60 per cent.; black M rivets (steel), 55 per cent.; ditto (Norway iron), 45 per cent.; iron burrs, 40 per cent.; copper rivets, 35 per cent.; bifurcated, with box, $1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

WRINGERS—Demand is fair for the season. We quote: "Leader," $60 per doz.; "Royal Canadian," $58; "Royal American," $48. Prices are all f.o.b. Toronto, Hamilton, Brockville, and Montreal. Discount, 45 per cent. Terms, four months, or 3 per cent. 30 days.

BUILDING PAPER—The demand continues fairly good. We quote as follows: Plain building, 28c. per roll; tarred lining, 35c., according to quality; tarred roofing felt, $1.40 per 100 lb.; carpet felt, $2.75 per 100 lb.

ENAMELLED WARE — The improved demand noted last week appears to have been maintained. Discounts are: "Princess" ware, "Turquoise" ware, blue and white ware, and white ware, 50 per cent.; "Premier," "Diamond" ware, "Famous" ware, 50 and 10 per cent.; "Crescent," "Granite" or "Pearl" ware, "Imperial" ware, 50, 10 and 10 per cent.

MILK CANS—The price of factory milk cans has been advanced a little over 9 per cent., the discount having been reduced to 40 per cent.

SPADES AND SHOVELS—A little is still being done in the way of booking for future delivery. Discount, 40 and 5 per cent.

HARVEST TOOLS — Much the same applies to these as to spades and shovels. Discount, 50 and 10 per cent.

STOVES AND FURNACES — The cooler weather is naturally more favorable for the stove and furnace trade. The stove and furnace trade this season is far in excess of that of last year. Discounts are: Stoves and ranges, 45 and 5 per cent.; furnaces, 40 and 5 per cent. registers, 60 per cent.

CUTLERY—A nice holiday trade is being done in this line.

ROPE—Trade is quiet. Quotations are: Sisal, 7-16 inch and larger, 12c. per lb.; ⅜ inch, 12½c.; ¼ to 5-16 inch, 13c.; manila 7-16 inch and larger, 14c. per lb.; ⅜ inch, 14½c.; ¼ to 5-16 inch, 15c.

CEMENT—The season is about over, but some sales are still reported. A greatly increased quantity of Canadian Portland has been sold on this market this season. We quote in barrel lots: Canadian Portland, $2.65 to $2.90; Belgian, $3 to $3.10; English do., $3.25; Canadian hydraulic cements, $1 to $1.10; calcined plaster, $1.90; asbestos cement $2.50 per bbl.

METALS.

Trade is fair for this time of the year, while prices are, as a rule, steady.

PIG IRON —Some business is transpiring, both in domestic and foreign pig iron. Prices rule steady. We quote: No. 1 Hamilton, $25 per ton at the furnace; No. 1 Tonawanda, $25.40 in bond, Toronto, and No. 2 at $24.40; No. 1 Southern, $24 in bond, Toronto.

BAR IRON—The demand continues brisk. We quote $2.30 in carlots at the mills and $2.40 in smaller quantities; from stock, $2.40 to $2.50.

GALVANIZED IRON—A good many orders are being booked for spring delivery. In the way of prompt shipments, trade is only fair. Prices are firm and unchanged. We quote English iron at $5 and United States at $4.75. It should be remembered in regard to the latter that the sheets are heavier than the English. Hence, the difference in the quotation.

BLACK SHEETS—The demand is good for small quantities. We still quote 28 gauge at $3 35.

CANADA PLATES—The cooler weather has given an impetus to business, although the demand is mostly for small lots. All-bright is now quoted at $3.60; half-polished at $3.10, and all-dull at $3 per box.

TINPLATES—Some fair-sized orders are being booked for spring delivery, but, being towards the end of the year, there is very little being done for prompt shipment.

TERNE PLATES—The demand is decidedly light.

PIG TIN—Orders are only small. Large buyers are holding off, evidently not having much confidence in the market. The outside markets have been irregular during the week, but the local quotation still rules at 35c. per lb.

COPPER—Ingot copper is quiet, but, in sheet copper, a good trade is being done. We quote: Ingot copper, 20 to 21c. per lb., and sheet, 23 to 23½c. per lb.



"WE HOLD A VASTER "EMPIRE", (SHINGLE TRADE) THAN HAS BEEN
METALLIC ROOFING CO TORONTO. (LIMITED)
SEND FOR CATALOGUE.

EMPIRE SHINGLES

ARE THE PERFECTION OF ROOF COVERING.

Made of Tinned Steel Sheets—galvanized or painted.

The galvanizing is done after they are formed into shape. This is true of no other shingle on the market.

EMPIRE SHINGLES represent the acme of highest quality.

The Metallic Roofing Co., Limited,

1179 King St., W., TORONTO.



401 Polished, 402 Nickel Plated—A Comfortable Skate.



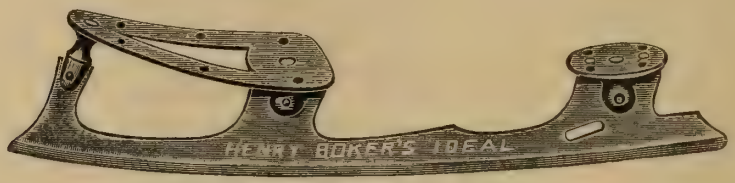
411 Polished, 412 Nickel Plated—A good, low-priced Skate.



457 P Nickel Plated—A Gem for Ladies' Use.



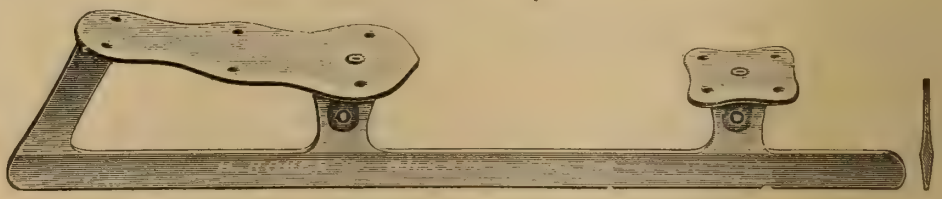
115 BD Nickel Plated—Finished in the Best Style Ladies' Skate.



115 B Nickel Plated—Finished in Best Style Gentleman's Skate.



414 Nickel Plated—A Stylish Skate at a Moderate Price.



587 VP Nickel Plated—Russian Pattern for Hockey or Racing.



116 Aluminum Finish, 116 B Nickel Plated—Tube Racing Skates.

HENRY BOKER'S

Famous Skates

ALL STYLES AND PATTERNS.

- - FOR SALE BY - -

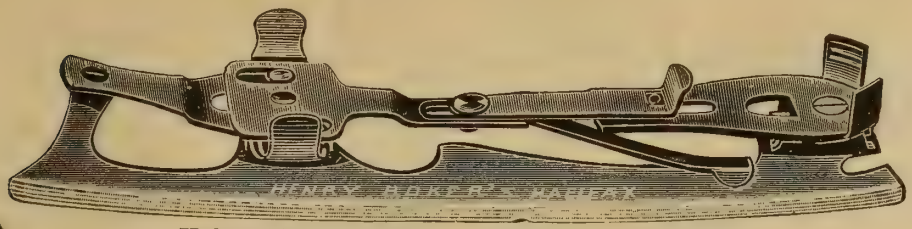
RICE LEWIS & SON,

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TORONTO, ONT.

BOKER'S SKATES

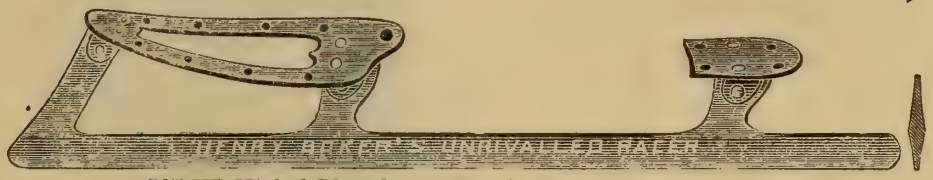
are unsurpassed for quality.



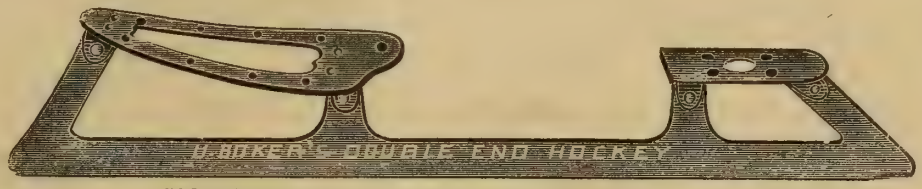
Halifax Pattern Skates—All qualities and prices.



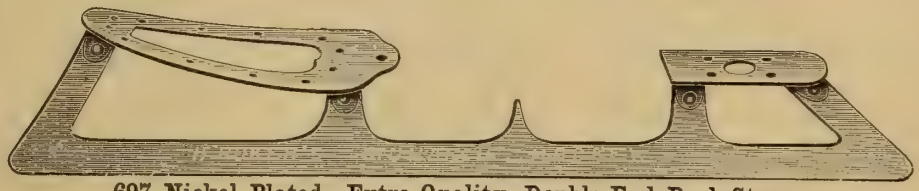
636 Polished, 637 Nickel Plated—Extra Extra Quality Hockey.



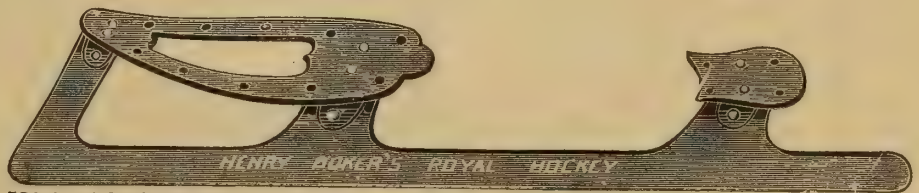
567 VP Nickel Plated—Very light, strong Racing Skate.



592 Nickel Plated—Good and serviceable double end.



697 Nickel Plated—Extra Quality, Double End Puck Stopper.



531 Polished, 532 Nickel Plated—A Good Hockey Skate at a Moderate Price.



631 Polished, 632 Nickel Plated—A medium-priced Hockey Skate with Puck Stopper.

WRITE FOR PRICES.

When in Town Call and Examine Our Stock.

RICE LEWIS & SON,

LIMITED

Corner King and Victoria Sts., TORONTO, ONT.

Dec 9/99

John Bowman Hardware & Coal Co.

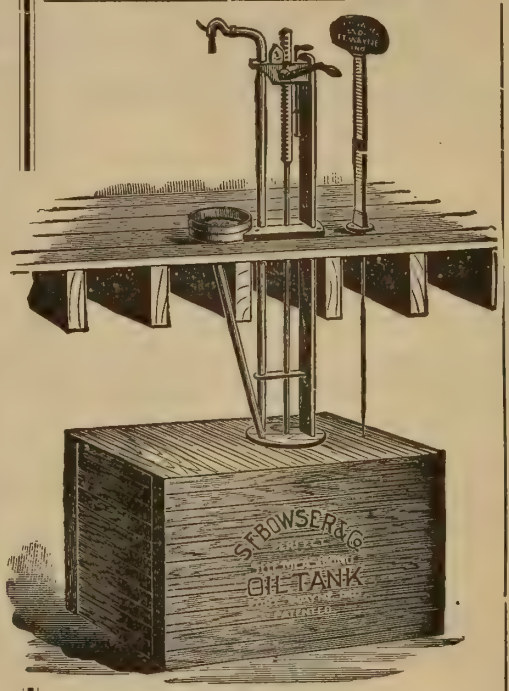
LONDON, ONT.

Our Fall stock is now complete and we can supply at the best figures, **AXES, SAWS, LANTERNS, CORDAGE, CHAIN, WINDOW GLASS, PAINTS, OILS,** etc. Our importation of **CUTLERY, SKATES, ENGLISH GUNS, SHOT SHELLS, BLACK and SMOKELESS POWDER, SHOT, WADDING,** etc., now in.

Our Motto: Prompt Shipment, Right Prices.

ADVERTISING IN WESTERN CANADA
will be CAREFULLY, EFFICIENTLY
and PROMPTLY attended to, by
THE **ROBERTS ADVERTISING AGENCY,**
WINNIPEG, CANADA.

WINTER IS AT HAND



BASEMENT OUTFIT.

And your oil trade is picking up. The

GENTLE PILFERER

is also "picking up" small articles of merchandise lying in . . . reach while you are gone to the basement after . oil.

A RARE BIRD IS THE PILFERER

There is only one way to make him sad. Stay where you can

WATCH HIM.

EQUIP YOUR STORE WITH A
BOWSER BASEMENT SELF-MEASURING
OIL TANK GALLONS, HALF-GALLONS AND QUARTS AT A STROKE
PUMP UP STAIRS—FULL BRASS VALVES.
TANK IN BASEMENT—GALVANIZED STEEL.
PILFERERS DON'T LIKE BASEMENT TANKS. 125,000 merchants like them and use them. Isn't it worth your while to investigate? It costs only a cent for a postal.
S. F. BOWSER & CO., P.O. Box 564, TORONTO, ONT. Factory, Fort Wayne, Ind.

IRON PIPE — Business continues fairly good, although devoid of special features We quote as follows: Black pipe, ¼ to ⅜ inch, $3.60; ½ inch, $3.70; ¾ inch, $4.20; 1 inch, $5.90; 1¼ inch, $7.85; 1½ inch, $9.75; 2 inch, $13; 2½ to 6 inch, discount off the list 45 per cent. Galvanized pipe is quoted as follows: ½ inch, $6.50; ¾ inch, $8; 1 inch, $11.50; 1¼ inch, $16; 1½ inch, $20; 2 inch, $28.50.

LEAD PIPE—Business is moderate. We quote: Ordinary pipe, 7c., and waste, 7½c. per lb. Discount, 15 per cent.

RANGE BOILERS—Trade keeps moderate. We quote: Galvanized, 30 gals., $8.50; 35 gal., $10; 40 gal., $11. Copper, 30 gal., $22; 35 gal., $26; 40 gal., $30; discount off copper boilers, 10 per cent.

SHEET ZINC — A fair business is being done in a small way. Prices are unchanged at 8 to 8¼c.

PIG LEAD — There is not much doing. Prices are firm. We quote 4¾ to 5c. per lb.

SPELTER — A little more inquiry is reported this week. Prices are firm and unchanged at 7 to 7¼c. per lb.

SOLDER—A good business is still being done. We quote: 21 to 22c. for half-and-half; 20½ to 21½c. for refined, and 20 to 20½c. for wiping.

ANTIMONY — Dull. We quote: Cookson's 11 to 11½c. per lb.

SHOT—Trade is quiet but market is stiff Ordinary shot is 50c. and chilled 35c. dearer. The quotations are now: Ordinary, drop, $5.25 per 100 lb.; chilled, $5.50 per 100 lb.

SOIL PIPE AND FITTINGS—The demand is slackening. The advances in lead have caused reductions in the discount on pipe. The discount on medium and extra heavy is now 50 per cent., instead of 50 and 10 per cent,, while that on light is now 45 per cent. instead of 50 per cent.

PAINTS AND OILS.

Business is quiet. Wholesale dealers have begun stocktaking. The general opinion is that the year has been an excellent one. Turpentine is 4c., and linseed oil 2c. lower. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $6.50; No. 1, $6.12½; No. 2, $5.75; No. 3, $5 37½; No. 4, $5; dry white lead in casks, $5.75.

RED LEAD—Genuine, in casks of 560 lb., $5.00; ditto, in kegs of 100 lb., $5.25 to $5.50; No. 1, in casks of 560 lb., $4.75; ditto, kegs of 100 lb., $5.

LITHARGE AND ORANGE MINERAL—Litharge, 6 to 6½c.; orange mineral, 7½ to 8½c.

WHITE ZINC—Genuine, French V.M., in casks, $7 to $7.25; Lehigh, in casks, $6.

PARIS WHITE—90c.

WHITING — 55c. per 100 lb.; Gilders' whiting, 75 to 80c.

GUM SHELLAC—In cases, 20c.; in less than cases, 24c.

PLASTER PARIS — Ordinary, $1.75 per barrel; New Brunswick, $2 to $2.20 per barrel.

PUMICE STONE—Powdered, $2.50 per

tion of cheap boilers, a reduction of 50c. has taken place in 30 gallon galvanized in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, $1.10 per gallon; No 1 quality, 90c. per gallon.

SEAL OIL—54c. per gallon, and yellow seal at 45c.

CASTOR OIL—East India, in cases, 8 to 8½c. per lb. and 9 to 9½c. for single tins.

LINSEED OIL — Raw, 1 to 4 barrels, 60c.; boiled, 63c.; 5 to 9 barrels, raw, 59c.; boiled, 62c.; 10 to 15 barrels, raw, 58c.; boiled, 61c.; 16 to 59 barrels, raw, 57c.; boiled, 60c. To outside points, the same price is charged.

TURPENTINE—Single barrels, 73c.; two to four barrels, 72c., freight allowed; in less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

GLASS.

There is still a fair demand. Prices are steady. We quote as follows: Star, first break in 50-foot boxes, $2.15, and in 100-foot boxes, $4; double diamond under 25 united inches, $6, Toronto Hamilton and London; terms 4 months or 3 per cent. 30 days.

OLD MATERIAL

Scrap copper and brass are ½ to 1c. per lb. cheaper. Scrap rubber is ¾c. dearer. Agricultural scrap has advanced 5c. per cwt. We quote as follows: Agricultural scrap, 70c. per cwt.; machinery cast, 65c. per cwt; stove cast scrap, 40c.; No. 1 wrought scrap, 60c. per 100 lb.; new light scrap copper, 12c. per lb.; bottoms, 10½c.; heavy copper, 14c.; light scrap brass, 7c.; heavy yellow scrap brass, 10c.; heavy red scrap brass, 11c.; scrap lead, 2½c.; zinc, 3c; scrap rubber, 5½c.; good country mixed rags, 65 to 75c.; clean dry bones, 40 to 50c per 100 lb.

HIDES, SKINS AND WOOL.

HIDES—Another advance of ¼c. is noted in cured hides. Otherwise, there is no change. We quote: Cowhides, No. 1, 9½c.; No. 2, 8½c.; No. 3, 7½c. Steer hides are worth ½c. more. Cured hides are worth 10½c.

SKINS—Sheep and lambskins have advanced 5c. We quote: No. 1 veal, 8-lb. and up, 10c. per lb.; No. 2, 8c.; dekins, from 40 to 45c.; culls, 20 to 25c. Sheep and lambskins are selling at 90c.

WOOL—All accumulations of wool have been sold, and the market shows great strength. We quote: Clothing wool and combing fleece, 20c.; unwashed, 12½ to 13c.

76,800 Daily Production. 5 Factories. 5 Brands. **NICHOLSON FILES** For sale all over the World.



16 Governments. 85% R.R., 70% U.S. Contracts. 70% of Total Production of America.
NICHOLSON FILE CO., PROVIDENCE, R.I., U.S.A.

BRITISH PLATE GLASS OMPANY, Limited. Established 1773.

Manufacturers of **Polished, Silvered, Bevelled Chequered, and Rough Plate Glass.** Also of a durable, highly-polished material called **"MARBLETTE,"** suitable for Advertising Tablets, Signs, Facias, Direction Plates, Clock Faces, Mural Tablets, Tombstones, etc. This is supplied plain, embossed, or with incised gilt letters. **Benders, Embossers, Brilliant Cutters, etc., etc.** Estimates and Designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street London, E.C.—128 Hope Street, Glasgow 12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glass, St. Helens." Telephone No. 68 St Helens.

SEEDS.

There is little doing. Prices are steady at $4.50 to $5 at outside points for red clover and $4.50 to $7 for alsike.

PETROLEUM.

A good demand keeps up, with prices steady. We quote as follows: Pratt's Astral, 18¼c. in bulk (barrels, $1 extra); American water white, 18¼c. in barrels; Photogene, 17¼c.; Sarnia water white, 17c. in barrels; Sarnia prime white, 15½c. in barrels.

COAL.

The difficulty of getting cars is still interfering with the filling of orders. Prices are firm, but unquoted for immediate delivery at Buffalo and bridges as follows: Nut, $5 per gross ton, or $4.46 per net ton; egg and stove, $4.75 per gross ton, or $4.24 per net ton; grate, $4.50 per gross ton, or $4.01 per net ton.

MARKET NOTES.

The discount on factory milk cans has been reduced to 40 per cent.

Shot is 35 to 50c. dearer. Ordinary drop is now $5.25, and chilled $5.50.

Smooth steel wire is quoted 10c. per 100 lb. higher, the price now being $3.45.

Dealers in scrap have reduced the price they are paying for copper and brass ½ to 1c. per lb., and advanced the price of agricultural scrap iron 5c. per cwt.

The discount on heavy and medium soil pipe and fittings is now 50 per cent., instead of 50 and 10 per cent., and that on light, 45 per cent. instead of 50 per cent.

Goderich, Ont., ratepayers decided, the other day, by a majority of 118 not to loan $55,000 to glass works proposed to be started there.

Burglars entered Fletcher & Shepherd's hardware store at 1292 Queen street west, Toronto, a few nights ago, and took away about $200 worth of cutlery.

TRADE CHAT.

A WESTERN merchant, says an exchange, placed a grindstone in front of his store for the gratuitous use of the public. In front of it he put the hint: "While you sharpen your knife on our grindstone, don't fail to examine the cutlery in our window."

H. C. Cooper, harness dealer, Vernon, B.C., has opened a branch at Armstrong, B.C.

M. Stewart, hardware dealer, Tilbury, Ont., has installed a plate-glass front in his store.

The Owen Sound, Ont., chair factory recently received an order from Australia for 130,000 chairs.

A manufacturer of upholstered goods in Grand Rapids, Mich., will move to Strathroy if given a bonus of $6,500.

The Victoria Colonist says that Mr. McLennan, of the hardware firm of McLennan & McFeely, of that city may be a candidate for the mayoralty.

The business of S. D. Eplett, hardware dealer, Coldwater, Ont., has grown so largely since he started three years ago, that he had to enlarge his store till it now has a frontage of 120 feet.

J. Oliver & Sons, Ottawa, expect to shortly erect a factory in Hintonburg, Ont., where they intend employing about 100 hands. The capital of the concern is placed at $100,000.

The Dauphin Press says it has been assured by Mr. Mackenzie that at least 15 miles of the Gilbert Plains branch will be in operation before Christmas. The promoters of the road are putting forth every endeavor possible to put the road in working shape, and it is a fact beyond the stage of doubt that they will accomplish their object.

Barrett's Glass Cutters Standard
Barrett's Practical Glass Cutters are the standard the world over.



Sold by more Hardware Dealers than all other makes combined. Send for prices and sample. W. L. BARRETT, Manufacturer, Bristol, Conn., U.S.A.

CAPE BRETON NOTES.

THE expected growth of Sydney, C.B., has resulted in the purchase of sites by large outside firms. T. McAvity & Sons, wholesale hardware dealers and brass manufacturers, St. John, N.B., have secured a site, and will make Sydney their headquarters for Nova Scotia. The T. Eaton Co., Limited, departmental store, Toronto, have also bonded a large block on Prince street, where they are expected to start a branch next year. Other Toronto and Ottawa firms have options on sites on this street.

A pier seven hundred feet long is being erected at Louisburg, C.B., by the Dominion Iron and Steel Co., Limited, for transhipment of iron ore.

A letter from Glace Bay, C.B., says: "The future of this town is a settled fact. The mammoth shaft is being rapidly sunk, and work is to commence next month on three slopes near Caledonia, which will give employment within two years to 5,000 men. It is the intention of The Dominion Coal Co. to erect 500 cottages next year for their employes."

James P. Conway has in course of construction a summer hotel four miles from Sydney, at Sydney Forks. C.B., with good fishing and shooting grounds near. The hotel is to cost $25,000.

A Sydney despatch says: "The St. Lawrence coal trade is now closed for the season. The total shipments of The Dominion Coal Co. were 822,000 tons."

IRON TRADE IN THE UNITED STATES

The iron trade has come upon a period of quiet which recalls by contrast the fact that the beginning of the present wave of prosperity came in the closing month of last year. The feeling that a quieter market is necessarily a weaker market survives from the recent period in which production was always in excess of consumption, and some current market estimates are tinged by this sentiment, though, as yet, the facts of the situation do not warrant anything but predictions of continued strength. It is noted by large interests, whose product goes into many important channels of consumption, that, while there is a lull in buying, specifications are on a scale indicating a maximum rate of consumption in all lines unaffected by the closed season. Here and there mills are going after business with something of an aggressiveness that has not been seen in recent months, but nothing appears as yet to indicate that these exceptions are more than incidents of the winter season. Short time deliveries are the rule in new transactions, indicating that sellers and buyers are disposed to tide over an interval. As the significance of the new basis for iron ore is more fully appreciated throughout the trade, it is taken as an argument for the maintenance of high level prices through 1900.—Iron Trade Review, December 7.

BEDSTEADS DEARER IN ENGLAND.

It was decided at a recent meeting of the Metallic Bedstead Trade Association to advance iron and mixed iron and brass bedsteads 15 per cent., and all brass bedsteads 5 per cent., the new prices to operate from February 1. The reason for the advances is to be found in the rises in cost of bedstead material during the past 12 months. A comparative statement presented to the meeting, showed the following figures:

	January, 1898. Per ton. £ s. d.	September, 1899. Per ton. £ s. d.
Pig iron.....	2 8 9	4 11 6
Angle steel....	6 10 0	10 0 0
Iron bars.....	5 17 6	9 0 9
Iron hoops	6 10 0	9 15 0
Iron tubes.....	10 0 0	12 0 0
Durham coke..	1 7 6	1 16 0

The prices of brass tubes advanced 12½ per cent., brass mounts, 25 per cent., and brass castors, 20 per cent. during the same period. Since September the following increases of cost have taken place:

October 2.—Angle steel, iron bars and hoops, 10s. per ton.
October 11.—Iron tubes, 40s. per ton.
November 3.—Brass-cased tubes, 11 per cent.
November 3.—Iron-brazed tubes, 15 per cent.
November 9.—Angle steel, iron bars and hoops, 10s. per ton.

Bedstead buyers will make their arrangements accordingly. To be forewarned is to be forearmed.—Hardwareman, Nov. 25.

WILL BE ABLE TO HOLD ITS OWN.

The Dominion Iron and Steel Co. expect to produce pig iron at Sydney, Cape Breton, at a cost of about 23s. per ton, and steel billets at about 45s. per ton. If these calculations prove correct, Canada will not have much use for American iron and steel when the producers across the boundary are again in a position to supply the Canadian market. Without accepting the 23s. for pig iron or 45s. for steel as unerring estimates, we do think that the iron industry of the Dominion will, in the future, hold its own against American competition.—Iron and Steel Trades Journal.

MORE TINPLATE MILLS WORKING.

There are now more mills working in the Welsh tinplate trade than for years past, but the production of steel sheets is now very closely associated with the industry, and many of the tin mills now roll sheets. Prices are very steady, with a slight upward movement. B. V. grade tins are quoted 15s. 9d., Allaway charcoals 17s., and Dean ternes 14s. 6d.—Iron and Steel Trades Journal, November 25.

FITTED UP NEW PREMISES.

S. D. Merrill, hardware dealer, Enterprise, Ont., has just completed and moved into new premises. The store has been finished in hardwood and specially fitted by Mr. Merrill for the hardware business. Instead of the regular pull-out drawer, compartment shelves have been installed, so built that when the salesman desires an article he opens a drop-door, and can see at once the package wanted. In many ways good ideas have been introduced by Mr. Merrill for the convenience of handling and displaying goods.

FOR SALE.

$7,000 will buy a first-class Hardware, Stove and Tinware Business with Tinshop and Tools; Established nearly 4 years, with rapid and steady increase of sales. Satisfactory reasons, and full particulars given on application to Box 18, Hartland, N.B. (49)

CHARLES E. TALBOT
19 Castle St., Liverpool.
General Merchant and Agent.
Agencies undertaken for Canadian manufacturers and produce.
British goods of all kinds supplied.
Correspondence solicited.

Mackenzie Bros.
Hardware Brokers and Manufacturers' Agents,
... WINNIPEG
CAN HANDLE GOOD LINES ON COMMISSION.
Travellers covering Manitoba, N.W.T., and British Columbia.

During December a personal interview can be arranged by addressing our Mr. Gordon Mackenzie, care of Mackenzie, Milne & Co., Sarnia, Ont.

SAVE MONEY
by buying
Gunn's Patent Brassic Goods



Equal to solid brass in every particular. Cost less money—look and wear as well. Sales increasing all the time.

THE GUNN CASTOR CO., Limited
KNOX HENRY,
Canadian Agent, 220½ Board of Trade, MONTREAL.

THE CANADA PAINT CO.

LIMITED

THE LARGEST MAKERS OF VARNISHES, PAINTS AND COLORS IN THE DOMINION.

WORKS AT MONTREAL AND TORONTO. **GRAPHITE MINES, NEW BRUNSWICK.**

OXIDE MINES, ST. MALO, QUE.

FOR SALE BY THE LEADING HARDWARE AND PAINT HOUSES OF CANADA:

THE Dry Colors manufactured by the Canada Paint Company.
THE Canadian Oxide Paint mined by the Canada Paint Company.
THE Snow White Zinc manufactured by the Canada Paint Company.
THE Diamond Graphite Paint mined by the Canada Paint Company.
THE Carriage Varnishes manufactured by the Canada Paint Company.
THE Ready-Mixed Paints manufactured by the Canada Paint Company.
THE Triple Strength Colors manufactured by the Canada Paint Company,
THE Decorators' Specialties manufactured by the Canada Paint Company.
THE Bridge and Roof Paints manufactured by the Canada Paint Company.
THE Roof and Shingle Stains manufactured by the Canada Paint Company.
THE Brown and Black Japans manufactured by the Canada Paint Company.
THE Graining and Pure Colors manufactured by the Canada Paint Company.
THE Artistic Oxidized Enamels manufactured by the Canada Paint Company.
THE Hard-Drying Floor Paints manufactured by the Canada Paint Company.
THE Kalsomine and Wall Tints manufactured by the Canada Paint Company.
THE White and Orange Shellacs manufactured by the Canada Paint Company.
THE Wood Stains, True to Nature, manufactured by the Canada Paint Company.
THE Wagon and Implement Paints manufactured by the Canada Paint Company.
THE Standard Car and Motor Colors manufactured by the Canada Paint Company.
THE White Lead, the Leading Brands, manufactured by the Canada Paint Company.
THE Handy Varnishes, in convenient tins, manufactured by the Canada Paint Company.
SAMPLE COLOR CARDS and all information furnished free by the Canada Paint Company.

JUN 20 1902

THE CANADA PAINT COMPANY LIMITED



Head Office
No. 572
WILLIAM
STREET
MONTREAL

THE LUMBER INDUSTRY.

MR. E. F. STEPHENSON, crown timber agent, returned on Thursday from a trip to Rat Portage, and found that the timber industry, which is under the inspection of his department, has had a most prosperous season. The amount of lumber cut in the Rat Portage district, and manufactured by the mills of that town, is fully 25 per cent. larger than in any previous season. During the season of 1899 the amount of lumber cut in Northern Minnesota and floated down the Rainy river was 37,300,000 feet, and on the Canadian side, 45,000,000 feet. All of this lumber was dressed in Rat Portage, and of the whole 82,300,000 feet, 77,000,000 feet have already been disposed of. This business, Mr. Stephenson states, is simply enormous. In addition to the dressed lumber, there were cut during the season between Rat Portage and Fort William, over 800,000 ties, and a large amount of timber used in railway construction by the C.P.R. and Rainy river roads.

Asked how he found the state of mining and other business at Rat Portage, Mr. Stephenson said it was splendid. The town has now a population of over 7,000 people, and the buildings erected during the past summer were all of a most substantial character. The trade of the town is rapidly increasing, as it has become the distributing point for all the Rainy River country, as well as for Northern Minnesota on the south end of the lake. War Road, Minn., as well as other American towns, are almost entirely dependent on Rat Portage for supplies. The number of men employed all the year around in mining is over 600, while the lumber industry, also, engages the attention of a large number of men.

WHY HARDWARE IS HIGHER.

The principal cause for the rise in hardware is usually attributed to the formation of the great industrial combinations. These combinations, continues a writer in Iron and Steel, have perhaps been large factors in the rise, through the removal of keen competition and through the ability to control prices. But it is doubtful if they have been the chief determining influences in this wonderful market. Prices have advanced not only in the United States, but in Canada, Europe and throughout the world. Scrap, in which there is no combination, has advanced as sharply as nails. Pig iron, in the production of which there are many individual and independent furnacemen, has been a leader in the march triumphant. In hardware manufacture there are a number of associations which have made easy the making and maintenance of enhanced values. But there are also other branches which are without this friendly hand to elevate and to strengthen, but have, nevertheless, been mixed up intimately with the inundation of rising prices.

Sooner or later supply will overtake and pass demand, and to the extent to which the present market is purely one of supply and demand will there then be a retrogation in values. There are, however, two distinct factors which will tend materially to restrict that influence. One is the world-wide growth of trade and commerce. Industrial activities are awakening in all parts of the globe, which, in the absence of unforseen calamities, will call for an unprecedented volume of manufactures. The other is the rapid increase in the production of gold in all parts of the world.

A SMART LAD.

He rushed breathlessly into the general office of a large merchantile establishment in Broad street, London, Eng., and inquired for the proprietor.

He was informed he could not see him as he was engaged in his private office, and did not want to be bothered with boys anyway.

"I must see him," urged the lad. "It is a matter of great importance." "It's no use, you can't do it," was argued. "I must, and I will see him," continued the boy, as he took a seat and showed no inclination to leave. So, finally, seeing that he was so persistent, the rules of the house were broken, and he was shown into the proprietor's private sanctum, and was greeted with, "Well, my lad, what do you want?"

"Do you want a boy, sir."

"Want a boy? No. What do you mean by inquiring here? We've got a boy."

"No, you haven't, sir, he has just been run over by a hansom cab."

He was engaged.

This boy understood the value of push better than many a business man does today, and his success in life is assured.

A NEW SOFTENING AGENT.

Theodore Olan, a Swedish chemist, of Washington, D. C., according to an exchange, is credited with the discovery of a new agent that will soften gold, silver, steel and other metals, making them pliable and ductile as a piece of putty. He has named the new chemical tauric acid, because it is made from tauric moss, a peculiar lichen or fungus which has never before been the subject of chemical investigation. A singular circumstance is the fact, as stated by Olan, that the acid, while softening steel, has no effect on iron.

EARLY AND SYSTEMATIC BUYING.

The successful retailer of the present day does not secure all the goods he requires for the several seasons through purchases made twice a year, as was the custom in times gone by. Instead, adds a recent writer in an exchange, his early selections are largely confined to novelties and specialties, of which only limited quantities are manufactured, and which are necessary in order to present choice in styles and designs. At the same time, he buys a reasonable assortment of staples. He is very careful not to overload in any line, nor to place orders for larger quantities than he is sure he can take care of in a way to avail himself of the most favorable cash discounts. With this foundation stock on hand, he is able to replenish every week, if necessary. As a good manager, he keeps his stock so well in hand that he is always in position to take advantage of any favorable offer that may be made, such as are put out by various wholesale houses in the midst of every season. Managing his purchases in this way, the retailer always has a fresh line of goods to show his customers.

OFFICERS OF THE MONTREAL ASSOCIATION.

At the annual meeting of the Montreal Metal and Hardware Association on Wednesday the following officers were elected:

President—T. H. Newman, of Caverhill, Learmont & Co.

Vice-President—W. W. Near, of The Pillow-Hersey Manufacturing Co.

Treasurer—Jas. C. MacCormack, of The Dominion Wire Co.

Directors—Chas. Cassils, R. Gardiner, F. O. Lewis and G A. Kohl.

WATER-JACKET COOKER.

The features of a new and novel culinary vessel are the double sides and hollow portions of the bottom, the latter alternating with solid sections. This arrangement, it is asserted, produces a cooking vessel which, while readily permitting rapid and effective cooking of the material within, prevents its being burned or scorched. It is the invention of Charles Halsteed, of Brooklyn, N.Y. The hollow sections of the bottom are in communication with the hollow sides, so that a cooling medium, such as water, which may be poured into this hollow space, keeps the metal forming the body of the vessel from becoming heated to the burning point. At the same time, the solid sections of the bottom, which are designed to be larger in area than the hollow sections, permit the heat of the stove to be readily transmitted to the material being cooked. This design results in the construction of a cheap vessel of any shape, with which it is impossible to burn or scorch anything cooked in it, and yet which enables rapid cooking to be done.

THE WIRE COMPETITION.

ALBERT HESSELBACHER, president of The Detroit Fence and Wire Goods Co., stated, according to an exchange, that the next move would be a consolidation of the wire fence manufacturers, with the purpose of meeting and competing with The American Steel and Wire Co.

"I have been working for some time," said Mr. Hesselbacher, "at interesting some of the leading manufacturers of fencing, and think now that, within a few months, we will be organized so as to form a strong combination. I have secured options on six wire mills and four fence plants, which, with our own here, will enable us to do business very much to suit ourselves. The strongest of the fence companies is The Page Wire Fence Co., of Michigan, which is one of the oldest in the country. The fence made in my factory is protected by valuable patents, and Mr. Page's output is similarly protected. The American Steel and Wire Company's patents provide simply for the ordinary mesh wire fence, while my fence is a graduated mesh, the meshes being smalled at the bottom and consequently making the fence stronger at a point where there is the greatest wear and tear. The Page fence is protected by patents which provide for a spring steel wire at the top, and is the only fence in which a spring steel wire can be used in that position. That spring steel wire and the graduated mesh patents will enable us to turn out a fence which the combine cannot meet. I believe that within a year the price of pig iron will be down to what was formerly the normal level, and we do not fear that The American Steel and Wire Company or any other combine can interfere with our getting what we want."

BELLEVILLE'S ROLLING MILLS.

The city of Belleville is eagerly looking forward to great things as a result of the establishment there of the Abbott-Mitchell rolling mills. Belleville secured these mills as a result of an amalgamation of The Thames Iron Works, of Norwich, Connecticutt, owned by Mr. Mitchell, and The Metropolitan Rolling Mills, of Montreal, controlled by the Abbotts. In consideration of the removal of the works of the amalgamated companies to Belleville, the town agreed to grant a free site, to pay duties on machinery to the extent of $3,000, to give a bonus of $15,000 upon the completion of the works and pay $5,000 annually for seven years. The company will manufacture merchant iron and steel, horseshoes, cut and wire nails, railway spikes, washers, etc., and will employ 150 to 175 men. The first sod was turned on April 5, 1899, and the works are now practically completed.

The main building, known as the rolling mills proper, is 321 feet in length and 150 feet wide. The nail and spike factory is 53 feet in width and 266 feet in length. The bar iron warehouse is 45 x 84 feet, while the storehouse for nails and spikes is 55 feet by 120 feet. The office building will be 25 x 40 feet and two storeys high. The machinery and buildings are valued at $185,000. It is estimated that the output will be from 12,000 to 15,000 tons per annum.

Mr. Frank A. Mitchell is the president and managing-director, while Mr. William Abbott, a son of the late Sir John Abbott, is vice-president and secretary.

MANUFACTURED SMOKELESS COAL

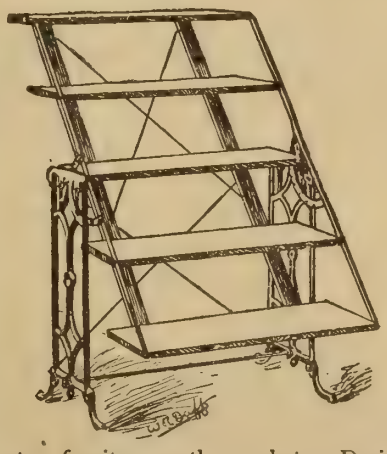
La Nature, of Paris, in a recent issue, describes a composite fuel which has lately been marketed in London, which is said to burn without smoke, but with intense heat, and to leave a minimum of residue. It is said that the combustible is a mixture of 93 per cent. coal dust with 7 per cent. of a mixture of pine—probably pulped, or in the form of sawdust—and caustic lime. The composition is compressed into bricks of convenient size, and these sell in London for $5.25 per ton.

For industrial use the bricks are perforated and weigh about 10 lb. each, while for domestic use the material is cast into lens-shaped molds a little less than 1 lb. each in weight. It is reported that there is practically no smoke from the combustion, even when fresh fuel is added to the fire, which appears in the form of long white and blue flames. The ashes and other residual products do not exceed 3 per cent., while 1 lb. of fuel will evaporate 14 lb. of water.

EVERY ORIGINAL TIN HAS THIS IMPRESSION ON A WHITE CAPSULE
NOBLES & HOARE LONDON ENGLAND

Nobles & Hoare.
CORNWALL ROAD STAMFORD STREET.
LONDON, ENG.
Manufacturers of
HIGH-CLASS **VARNISHES** ONLY
Which can be obtained direct from the works or from the principal Color Dealers in Canada.

Your Sales ...will Increase



IF YOU USE THE
Adjustable Display Tables

It is the most up-to-date piece of store furniture on the market. Designed specially to meet the requirements of wholesale and retail hardware merchants. Just the thing for your sample-room.

BOECKH, BROS. TRADE MARK & COMPANY.
80 York Street, TORONTO

STORE MANAGEMENT AND METHODS.

STORE management is really a broad subject. Strictly, it covers everything about a store—the advertising, window dressing, buying and selling of goods, the management of the help, store rules, book-keeping and clerical details. But my interpretation of the subject is that it is the part of store management which pertains to the relation of the store to its customers. This is the same thing as the reputation of the store.

Other people in your town know what sort of a reputation your store has, but do you know what kind of a reputation you wish it to have?

The hardware stores of any average town fall naturally into several groups.

There is always the store which has been

ESTABLISHED A LONG WHILE.

It is not very enterprising. It does not believe in advertising. But it is absolutely reliable. Everyone knows the proprietor, and everyone knows that he is a man who means what he says and will do what he promises. At the same time he is apt to be out of just the thing wanted and to be very slow about stocking up with novelties which were not carried in hardware stores when he began business.

Then there is the hustling, enterprising hardware store, whose delivery wagons are bright with red paint, and which covers up many shortcomings by the hustling way in which it does business.

There is also the store which realizes that good storekeeping methods can be applied just as successfully to selling hardware as to selling any other kind of goods. This is the store that does intelligent advertising, that uses booklets were booklets can be used, that always has a bright and alert manner towards its customers, and gives the impression that the proprietor sits up nights thinking of ways in which he can do more for his customers.

Of these three kinds the oldfashioned storekeeper is the most secure in his good opinion of himself. Nothing in the world would surprise him so much as to find out that he is

A BACK NUMBER.

He has been the leading hardware dealer of the town so long that he has now nothing left to him but the contemplation of that fact; both the reputation and the trade have been gotten by younger and more enterprising stores.

No hardware store has so good an opportunity for new and modern methods of storekeeping as this same oldfashioned store. It has a long life of honorable dealings behind it upon which to build. All it needs is for the proprietor to come out from behind his counter and his ledger and look at his store with other eyes. He will, if he will take this trouble, soon notice that the windows have not been washed for months, that his delivery wagon needs a coat of paint, that his clerks have gotten so used to telling customers that "we don't keep this or that article," or "that thing must be something new," that it has become chronic with them.

Instead, this hardwareman tells himself that business is not as good as it used to be, and never realizes that there is more business in that town, but that he is not getting it.

I once knew a man—

A PLAIN, ORDINARY CITIZEN,

a householder—whose hardware trade ran to $500 or $600 a year. This man wanted a furnace, but did not know what kind of a furnace he wanted. He wanted someone to tell him, and to tell him why he wanted it. The citizen knew nothing about furnaces technically. All he knew was that he wanted something that would keep him warm and not burn too much coal doing it, or cause too much wear and tear and strain upon his temper to keep it up to its work. He went to the leading hardware store in his town. It was

THE LEADING HARDWARE STORE

because it had been there longer and had at one time done more hardware business than any other hardware store in town. There were several clerks in the store, but they all seemed to be busy. After a little the proprietor himself came down from out of the little yard which he had railed off around his desk to wait upon his customer. The citizen said: "I want a furnace."

"Yes, sir," said the hardwareman.

"I don't know just what kind of a furnace I want, but I want a good one."

"Yes, sir," replied the hardwareman.

"Couldn't you give me some idea what it would cost."

"Well, you know that would depend upon what furnace you wanted. If you could give me some idea, now, as to what kind of a furnace you wish to install I would be very much pleased to figure upon it and give an estimate."

"That was just what I wanted you to do," replied the citizen. "I haven't made up my mind yet."

"Well, of course," replied the hardwareman, "I can't do anything until you know what you want. You might come around in a day or two, when you are fully decided and I will be very glad to talk with you."

The hardwareman went back to the little yard in the corner of the store, without realizing for an instant that he had just

DRIVEN A PROFITABLE CUSTOMER FROM HIS STORE.

The citizen went out into the street and walked three or four blocks, until he came to the store of a young and enterprising competitor of the leading hardware store in town. This store was owned and managed by a breezy young man, who had what his competitor down the street called "new-fangled notions" about the hardware business.

The proprietor met the citizen at the door. "Hello! hello!" he said; "I am glad you came in. I have been wanting to ask you what kind of a furnace you were going to put in that house of yours."

"Furnace," replied the citizen; how did you know I wanted a furnace?"

"Why, I have had that on my mind for a week," answered the hardwareman. "I heard somewhere that you were going to install a new furnace, and if I hadn't been so confounded busy I would have been up to your house to see you about it. I have got exactly the furnace you want. If you will sit down in that chair there and not mind my doing all the talking, I will tell you about the best furnace I know anything about and just why it will suit you."

The citizen was so surprised that he sat down without saying anything. He had bought hardware for 20 years, but he had not met a hardwareman who seemed so anxious to sell him something as this one was.

A WISE SALESMAN.

"Now you see," Mr. Citizen," said the hardwareman, "this furnace that I want to tell you about is the ———. It will cost you more than any other furnace you could buy; but don't let that disturb you. I can show you in no time that it would be the cheapest furnace you could buy in the long run. I have been in your house enough to know how it is arranged, and I can tell you right now just what this furnace will do for you. Of course, I will have to go up there and make a few measurements and look around a little, but I can give you a pretty good idea right while you sit there in that chair just what you need and what it will cost."

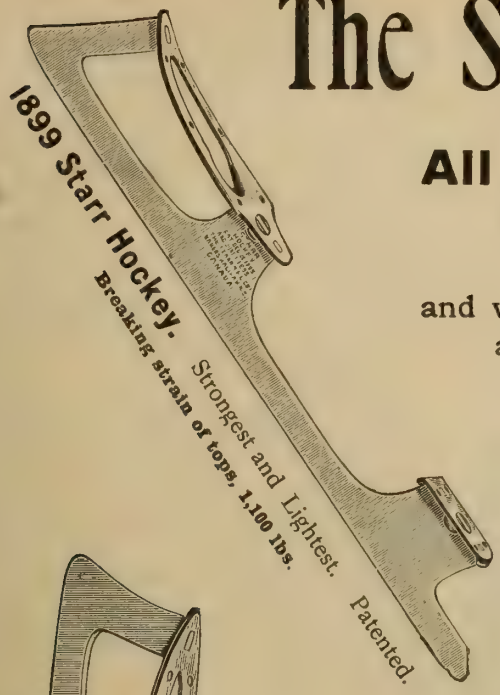
The hardwareman continued to talk in this same confident style. I cannot begin to remember all he said, although I sat right there during the interview. I cannot help thinking that if I had had a phonograph and could have taken down all he said while he was trying to sell that furnace it would have made as good advertising writ-

The Starr Guarantee

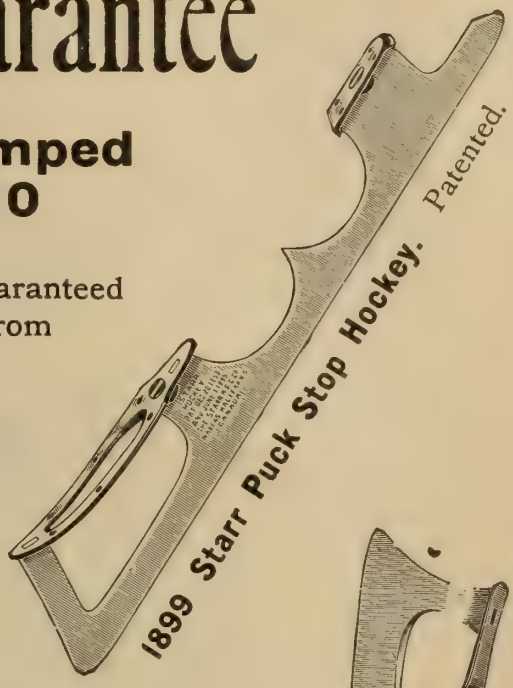
All Skates Stamped Nos. 7 and 10

and with our name, are guaranteed against BREAKAGE from

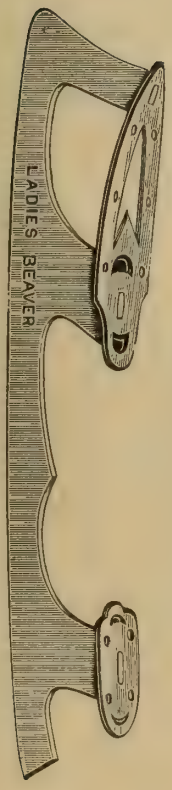
ANY CAUSE.



1899 Starr Hockey. Strongest and Lightest. Patented.
Breaking strain of tops, 1,100 lbs.

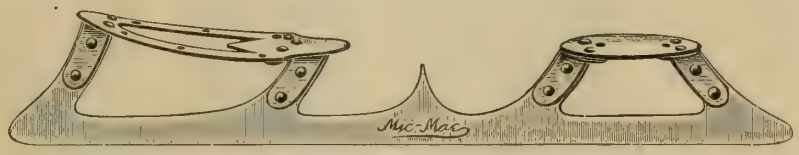


1899 Starr Puck Stop Hockey. Patented.

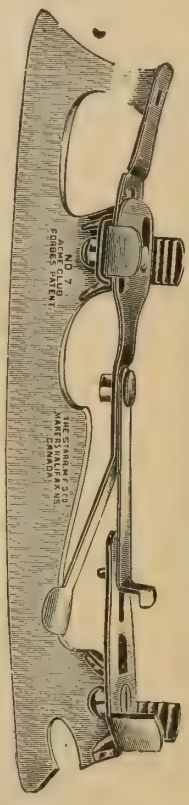


Ladies' Beaver. (Copyrighted.)
THE LADIES' FAVORITE

THE LATEST THING ON ICE



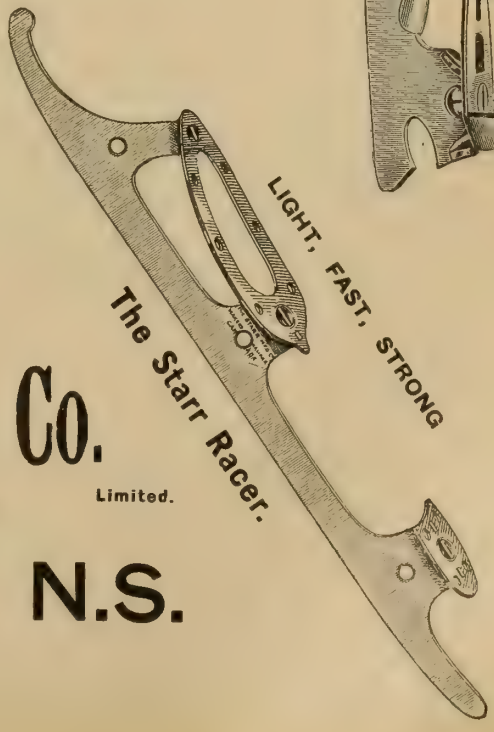
MIC-MAC. (Copyrighted.)
Double Bracketed, with re-enforced riveting.



The Genuine ACME.
THE STANDARD OF THE WORLD



HIGHLY RECOMMENDED
Our Celebrated Figure Skate.



LIGHT, FAST, STRONG
The Starr Racer.

THE

Starr Mfg. Co.

Limited.

INCORPORATED 1868.

HALIFAX, N.S.

CANADA.

ing as anything I have seen. After all, it was only the talk of a business man who was thoroughly in earnest, who thought he had a good thing to sell and who intended to make the citizen believe so.

It is needless to say that

HE SOLD THE FURNACE.

Meanwhile, the other hardwareman down the street is wondering, if he thinks about it at all, why the citizen does not come back and tell him what furnace he has decided to install.

Good salesmanship is the same thing the world over. The good salesman costs something, but he is worth what he costs. No man can sell goods who lacks imagination. He must be able to put himself in his customer's place to see things from his point of view. He must not be too technical, and he must be able to make intelligible any explanation that he offers. More than all this, he must not be enthusiastic, not effusive nor obtrusive, but simply interested in the article the customer wants to buy and perfectly willing and able to help him about it. Some customers know just what they want; others must be told. The average man, in things apart from his daily work, would rather leave it to the intelligent storekeeper as to which is the best thing for him to buy. He feels that part of what he pays for the article pays for the knowledge of the storekeeper as to his wants and as to the merits of the article.

Of course, the smaller the town the more the storekeeper and his clerks can use their personal knowledge of their customers to make a good sale, and these facts apply just as well to the larger store as they do to the smallest.

BUSY LUMBERMEN.

An Ottawa despatch says: This has been a banner year in Ottawa in the history of railway laborers and lumbermen. Competent authorities estimate that some 5,000 men of the above classes have been shipped out of the Ottawa district during the past autumn months. Wages have been generally high. In the lumber shanties logmakers, canthook men and teamsters have been getting as high as $26 per month; sawyers, toprollers and roadcutters, or swampers, are being paid from $20 to $26 per month. Cooks are paid from $30 to $50 per month, according to the size of the camp and their professional ability. Foremen are worth from $50 to $60 per month, and clerks and storekeepers are paid from $1 to $1.50 per day. Even at these high figures sufficient men can hardly be collected by the lumbermen's agents to fill the demand. The men employed at the above figures are provided with free board and transportation to the camps.

THE LATE HUGH MCLENNAN.

THE late Hugh McLennan, of whom this is a characteristic picture, is justly mourned by all who had the pleasure of his acquaintance. Mr. McLennan was one of Montreal's most eminently successful business men. For nearly 60 years he had been a resident of that city, but his career, as a man controling large interests, may be dated from 1853, when, in conjunction with his brother, the late John McLennan, M.P., he entered the grain and transportation business. From this beginning there developed the Montreal Transportation Company, of which Mr. McLennan was still



THE LATE HUGH MCLENNAN.

president at the time of his death. Mr. McLennan served as president, or on the directorate, of many other important financial and commercial organizations, as well as on the executive council of the Dominion Board of Trade, the Harbor Commission, the Board of Governors of McGill University, and numerous philanthropic and social organizations. He was, indeed, a man whose life was filled to overflowing with duty and activity of one kind and another, and he will be greatly missed wherever his wise, liberal and dignified counsels were wont to be heard. The tragic circumstances surrounding his death, within a few hours after he had followed the remains of his friend, Sir William Dawson, to their resting place, are still but too fresh in he minds of the readers of HARDWARE AND METAL.

BLACKSMITHS' PRICES GO UP.

According to The London Advertiser, the blacksmiths of Oxford, Elgin, Perth, Huron, Middlesex, and of London, Ont., held a meeting on Wednesday, November 29, for the purpose of discussing the advisability of an increase in prices. This is necessary, on account of the continued advances in the cost of raw materials. This advance has entailed serious losses to them. About 100 representatives of the trade were at the meeting, and, after seriously considering the situation, were unanimous in the opinion that an increase was absolutely necessary, and agreed upon a fixed scale. This move has not been made to increase their profits, but to prevent further losses. Representatives of the local merchants who supply blacksmithing materials were present, and, understanding the situation, expressed their approval of the action, together with their determination to do everything possible to insure its good results.

WHEAT LANDS IN THE CANADIAN WEST.

I SHALL now, however, proceed to estimate the area within the Canadian Northwest, including the Province of Manitoba and the provisional districts of Assiniboia, Alberta, Saskatchewan and Athabasca, which could, under favorable market conditions, be made to contribute to the world's wheat supply. Mr. A. M. Burgess, late Commissioner of Dominion Lands, fixed the area of Manitoba and the Northwest Territories fit for agricultural operations at about 390,000 square miles. I am inclined to think, however, that this calculation is far too liberal. A moderate estimate of the tract lying within the wheat belt, as defined by the Geological Surveys branch of the Department of the Interior, would be 262,000 square miles. This includes the Peace River district, where wheat has been successfully grown for years. Out of this area, 101,000 square miles are located within the semi-arid district, leaving 161,000 square miles of wheat lands under favorable climatic and soil conditions. An allowance should be made of some 25 per cent. of the total to cover lands unfit for cultivation, owing to adverse topographical features, which would leave a balance of some 121,000 square miles, or 77,440,000 acres.

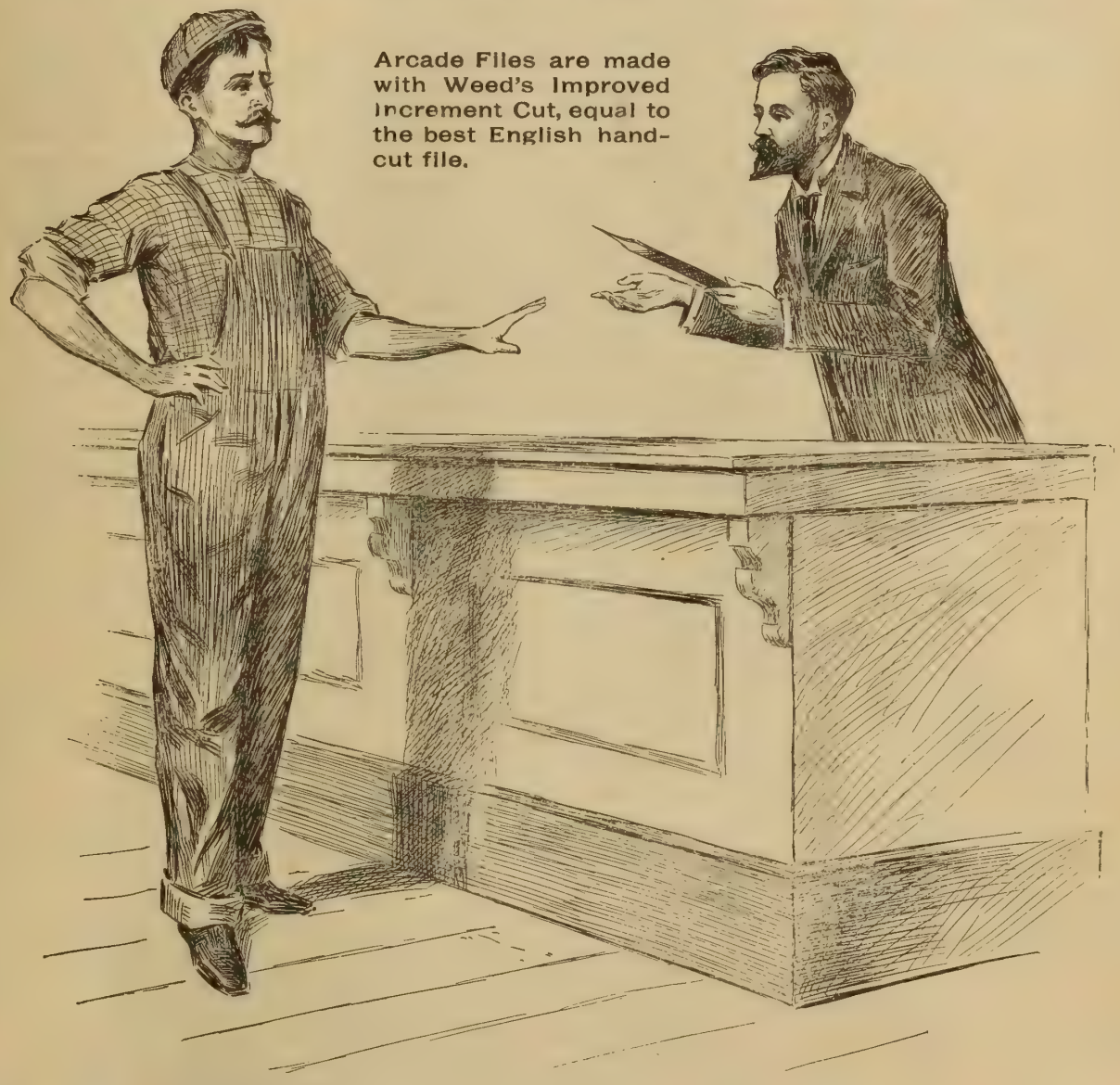
The Canadian Irrigation Surveys Corps has carefully measured the water supply available for the irrigation of the semi-arid district, and the supply, which could readily be made available through the construction of a system of storage reservoirs on the east slope of the Rocky Mountains, and it has been found that, estimating on the basis of one second foot of water for every 100 acres (the duty of water as fixed at present), an area of 6,500,000 acres can be artificially watered within the semi-arid district. This, added to the area under humid conditions, would bring the total wheat lands of Manitoba and the Northwest up to about 84,000,000 acres.—C. W. Peterson in Canadian Magazine.

The WORLD'S GREATEST FILE WORKS

ESTABLISHED 1842.

There is no other file "just as good."

THE ARCADE IS THE BEST



Arcade Files are made with Weed's Improved Increment Cut, equal to the best English hand-cut file.

"I want an ARCADE file."
"We are all out of ARCADE files. Try this; it is just as good."
"No, Sir. I want the ARCADE. It cuts faster and wears longer than any other file made."

THE ARCADE FILE WORKS

NEW YORK:
97 Chambers St.
SAMUEL W. ALLERTON,
President.

Works: ANDERSON, IND.
COURTLANDT C. CLARKE,
Sec. and Treas.

CHICAGO:
118 Lake Street.
ALFRED WEED,
Vice-President and Gen'l Mgr.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

THE MARITIME ELECTRIC CO., dealers in electrical supplies, Halifax, have assigned.

The Rivington Cutlery Co., Montreal, has assigned.

A meeting of the creditors of J. R. Lemire, general merchant, Nicolet, Que., has been called for December 13.

Wm. B. Smith, general merchant, Smithville, Ont., has assigned to John B. Brant, and a meeting of creditors has been held.

Richard Thomas, general merchant, Wahnapitae, Ont., has assigned to A. D. Meldrum, and a meeting of creditors has been called for December 14.

V. E. Paradis has been appointed provisional guardian of A. Bussiere, general merchant, Stanfold, Que., and a meeting to appoint a curator has been called for December 16.

At the meeting of the creditors of A. A. Black, general merchant, Walkerville, held in the office of Assignee Henry Barber, Toronto, on December 1, it was decided to wind up the estate. The liabilities amount $10,000 and the assets to $7,363.

PARTNERSHIPS FORMED AND DISSOLVED.

Lefebvre & Laniel, carriagemakers, Valleyfield, Que., have dissolved.

Hugginson & McLellan, hardware dealers, Brandon, Man., have dissolved.

Toothill & Britton, implement dealers, Killarney, Man., have dissolved.

J. C. Allan, coal and wood dealer, London, Ont., is about to admit a partner.

Gariepy & Chenier, general merchants, Edmonton, have dissolved, and Joseph Chenier has sold his interest to E. Brosseau. The business will be continued under the style of Gariepy & Brosseau.

Tripp & Thornton, stove dealers and tinsmiths, Peterboro', Ont., have dissolved. Theodore Thornton continues.

Joseph Rivet and Emile Brazeau have registered partnership under the style of Rivet & Brazeau, carriagemakers, Montreal.

SALES MADE AND PENDING.

Robert Carruthers, general merchant, River John, N.S., has sold out and left that place.

The stock of the estate of The Stacey Hardware and Manufacturing Co., St. Thomas, Ont., has been sold at 50c. on the dollar.

The assets of Alex. Henderson, general merchant, Shawbridge, Que., are to be sold on December 9.

Thomas W. Dodds, general merchant, Woodville, Ont., and Oak Lake, Man., has sold the Oak Lake stock and is offering the Woodville stock for sale.

Tenders are advertised for to December 16, for the building, plant and property of The G. & J. Brown Manufacturing Co., Limited, founders, Belleville, Ont.

CHANGES.

J. B. Pharand, general merchant, etc., Hull, Que., has retired from business.

John Mero, blacksmith, Blake Ont., has been succeeded by G. Kalbfleisch, jr.

Enoch W. Steeves is recommencing in the harness business in Moncton, N.B.

E. O. Delong, blacksmith, Lillooet, B.C., has been succeeded by James B. Uren.

Mrs. S. Demorasse has registered proprietress of S. Demorasse & Co., general merchants. Plessisville, Que.

FIRES.

A. F. Stoneham & Co. and A. R. Crosby, general merchants; Sheldon, Lewis & Co., grocers, and James Rozee, confectioner, Yarmouth, N.S., have been burned out. The insurance on Sheldon, Lewis & Co.'s estate is estimated at $1,600.

TEMPERING COPPER AND STEEL.

Martin L. Shevlin, of Elizabeth, Pa., employed at Lohrey's pork-packing estalishment, on East street, Allegheny, is the inventor of a process for tempering copper which he is confident will revolutionize the use of metals. Mr. Shevlin has already applied for a patent for his formula, which has been pronounced a valuable discovery by experienced mechanics, who have learned something of its results. The inventor has shown a reporter several tools made of copper which have been successfully tempered by the process. One was a knife the blade of which was hard and sharp as steel and as pliable. Another was a chisel which had been tested by hard usage. Mr. Shevlin says he has worked on his formula for five years. He says the process is very simple and can be utilized very economically. He states he is satisfied it will undergo successfully the most rigid scientific test. He says he can temper copper until it can be employed for the same purposes as steel and the harder metals, in cutlery, tools and machinery, and states that it has an advantage over other metals, as it will not corrode, rust or soften when subjected to the most intense heat.—Pittsburg Dispatch.

On and after Monday, December 11, the stores and business places of Amherst, N.S., will keep open every evening until Christmas.

THE TORONTO SILVER PLATE CO., LIMITED.

"The Gooderham Company."

SILVERSMITHS AND MANUFACTURERS OF STERLING SILVER AND ELECTRO SILVER PLATE.

List prices attached to these Sterling Silver lines subject to our usual Hollow Ware Trade Discount.



684. $13.00 list. 686. $8.00 list. 685. $8.00 list. 689. $7.60 list. 688. $10 50 list. 687. $17.00 list. 690. $7.00 list. 691. $7.90 list.

Factories and Salesrooms—King St. W., Toronto, Canada. **E. G. Gooderham, Managing Director.**

..THE..

"Good Cheer Art"

BASE BURNER

..FOR 1899.

THE MOST ATTRACTIVE AND BEST GRADED MEDIUM-PRICED BASE BURNER UPON THE MARKET.

ITS HEATING CAPACITY AND ECONOMY OF FUEL ARE UNEQUALLED.

THE FIRE POT CAN BE EASILY REMOVED THROUGH THE SIDE DOORS.

THE MOUNTING, FINISH AND OPERATION OF THIS STOVE ARE GUARANTEED TO BE FIRST-CLASS IN EVERY PARTICULAR.



It has The Improved Ransom Duplex Grate

All Body Nickel Work is Self Mounting

WITH AND WITHOUT OVEN.

EVERY STOVE A DOUBLE HEATER.

EVERY OVEN OF SHEET STEEL.

THE JAMES STEWART MFG. CO., LIMITED, WOODSTOCK.

HEATING AND PLUMBING

COLORING OF METALS.

THE coloring matter of small objects in metal has recently occupied the attention of manufacturers and chemists, and M. Pushec, a German chemist, quoted by The Plumbers' Review, of London, gives the following recipes for the application of sulphur to the purposes referred to: 1. A solution is made in the following manner: Dissolve 4 ounces of the hyposulphite of soda in 1½ pints of water, and then add a solution of 1 ounce of acetate of lead in the same quantity of water. Articles to be colored are placed in the mixture, which is then gradually heated to boiling point. The effect of this solution is to give iron the effect of blue steel; zinc becomes bronze, and copper or brass becomes successively yellowish, red, scarlet, deep blue, light blue, bluish white, and, finally, white, with a tinge of rose. This solution has no effect on lead or tin. 2. By replacing the acetate of lead in the solution of sulphate of copper, brass becomes first of a fine rosy tint, then green and finally of an iridescent brown color. Zinc does not color in this solution—it throws down a precipitate of brown sulphuret of copper; but, if boiled in a solution containing both lead and copper, it becomes covered with a black adherent crust, which may be improved by a thin coating of wax. 3. If the lead solution be thickened with a little gum tragacanth, and patterns be traced with it on brass, which is afterwards heated to 212 degrees, and then plunged in solution No. 1, a good marked effect is produced.

PLUMBING AND HEATING NOTES.

PERMITS have been issued in Hamilton, to A. W. Peene for a two-storey brick dwelling on Bay street, between Bold and Duke, to cost $3,000, and to Thomas Robson for a two-storey brick dwelling on Earl street, to cost $1,000.

A new Methodist Church at Pierson, Man., is nearing completion.

A general hospital, to cost $12,000, is to be erected in Grand Forks, B.C.

An elevator, to cost about $250,000, will be built in Quebec by the Great Northern Railway Co.

W. & W. Stewart, architects, Hamilton, have received instructions from the board of education at Paris to prepare plans for a 12-room public school.

The building permits issued in Toronto during November, 1899, amounted to $172,715, and in 1898, to $121,000, making the total for the 11 months this year, $1,950,925, as compared with $1,638,380 in the 11 months last year.

It is probable the Bank of Hamilton and the Imperial Bank of Canada will erect buildings in Revelstoke, B.C. A large rink is also likely to be built there.

In the presentment of the Grand Jury at Perth, Ont., last week there was a unanimous opinion in favor of the establishment of a house of refuge for Lanark county.

A building boom is anticipated in Smith's Falls, Ont., next summer, as Frost & Wood intend to largely increase their staff, and as there are few empty houses now in the town.

The Berlin Daily Telegraph gives a list of building operations in that town for the past year. The list, though condensed, fills four columns, and shows a total expenditure of $127,575.

James Humphries, Cobden, is about to install the acetylene gas system of lighting throughout his entire premises—house, store and hall. The Cobden Sun says it would be difficult to discover another town in Ontario, the size of Cobden, where so many of the residents light up their stores and dwellings with acetylene gas. R. D. Boyle is putting it in his new house,

TORONTO BUILDING PERMITS.

Building permits have been issued in Toronto to J. L. Morrison for a pair of semi-detached and for three detached dwellings on Grove avenue, near Queen street, $5,000; to S. J. Graydon, for a two-storey and attic detached residence at 51 Madison avenue, $8,000; to E. Newcombe, for a one-storey addition to kiln on Bellwoods avenue, near Arthur street, $2,000; to Thomas Hooper, for a one-storey brick and stone residence at Dundas and Brock streets, $3,000.

PLUMBING AND HEATING CONTRACTS.

Plaxton Bros., Winnipeg, have secured the contract for plumbing and heating and Douglas Bros. that for the galvanized iron and tinwork for the large warehouse now being erected on Bannatyne avenue and Main street, Winnipeg, for Gault Bros., of Montreal.

Wells & Co., Winnipeg, have secured the contract for the heating apparatus for the waterworks building, Winnipeg. The contract price is $4,950.

DIFFICULTIES AND REMEDIES.

The following is an extract from the report of the secretary-treasurer of the National Hardware Association of the United States, and explains itself:

"Upon two or three occasions we have communicated with the traveling salesmen of the country through the head of the sales department. The prize essay feature has occupied more or less attention during the past 60 days, and has been in line with our other work in this department. We have received a total of 80 essays. These were contributed by representatives of 33 houses, and we find upon a tabulation of the essays that those concerns which have given the best attention to their sales department have had the largest number of men interested in this essay feature.

"We are all aware that the traveling salesmen of the country who represent hardware houses are far above the average for general intelligence, and if we had not formed this estimate before, the careful reading of these essays would undoubtedly lead to this conclusion.

"We have tabulated the 'Difficulties of Selling Hardware at a Profit,' as outlined by these 80 gentlemen, and also the "Remedies" for the same, with the following results:

DIFFICULTIES.

Making reduced prices on certain goods in order to start business or make a favorable impression	23
Vindictive competition	23
Catalogue houses	22
Incompetent traveling salesmen	18
Competition of small jobbers	15
Manufacturers' competition	12
Allowing salesmen to adjust claims	10
Seeking unnatural territory	9
Taking into consideration valume of business instead of net profit	8
Making sales far in advance of the season	6
Making persoal rebates	1

REMEDIES.

Send out only educated salesmen	19
Fix your own selling prices, and adhere to them	18
Have manufacturers refuse to sell all price-cutters	18
Forbid salesmen to quote goods in competition with goods already sold	17
Manufacturers refrain from entering into competition with their jobbing customers	16

"We hope during this ensuing year that this avenue of education will be closely followed. The ground is ripe for a rich harvest, and, undoubtedly, the traveling salesmen connected with the membership of our association, whom we estimate number at least 2,500 men, are willing and anxious that conditions should be improved."

McTaggart & Moscrop, hardware dealers, Vancouver, have suffered slight loss by fire.

EVERY MAN HIS OWN TINNER.

"I THINK," said Mr. Ego to his wife, "that there is condensed wisdom in proverbs, and, when a memory is stored with them as mine is, the one that fits the occasion can be called to mind and acted upon. For instance, take several that should be prominently displayed on the walls of this dwelling, marked 'Hints to Housekeepers.' Among them might be: 'Economy is wealth'; 'Take care of the cents and the dollars will take care of themselves'; 'A woman can throw out with a spoon faster than a man can throw in with a shovel.'"

"Better add these," said his wife: "'Self-praise goes but little ways'; 'It's ill saving at the spigot and wasting at the bunghole'; 'Humbug is not a home bug.'"

"Mrs. E.," replied he, "your sarcasms will not alter my purpose to preach economy in this house, and practise it, too. I have noticed in my tinner's bill several charges for 'mending ware.' Small? Yes, but 'Small leaks will sink a great ship.' I saw a man on the street to-day selling soldering things and showing how every man can be his own tinner. He had a piece of tin, in which he jabbed holes and immediately stopped them with drops of solder. It looked 'as easy as falling off a log,' and I at once bought an outfit, because I know a good thing when I see it. Now, bring on your 'tin pots, tin pans, tin nutmeg-graters, tin warming platters for your fish and 'taters,' as the poet says, and I will show you that 'Knowledge is independence.' I don't propose to trot to the tinker's any more."

"I haven't got much holey tinware," said Mrs. E., "but if you can stop a leak in this handy little saucepan I shall be glad."

"I'd rather begin on the washboiler, but never mind. 'A small success may be complete.' The plant consists of this vial of acid, this bar of solder, and a tallow candle. The flame of the candle heats the article which melts the solder, and, presto; the job is done."

"Where does the acid come in?"

"Don't pick a man up so. Of course, it goes on the solder. Got a candlestick?"

"No."

"Then you'll have to held the candle while I do the work. Look out. 'Tend to your fire department! I didn't say look in; one head is better than two over this dish. Confound it, the solder goes everywhere except over the hole. Stop that laughin'! it makes yer hand shake. Well, I'll be D-ewey-ed! Where in H-vana are you holdin' that candle! I haven't got fingers to burn." Then he threw the saucepan across the room, upset the acid, knocking the candle on the floor, stepped on it, and rushed for water to cool his scorched fingers, saying: "Darn female help, anyway!"

"There," said Mrs. Ego, solus; "table-spread ruined; carpet badly damaged, and my saucepan not mended. I shall continue to patronize the tinner."—"Fossil," in Metal Worker.

NEW DESIGNS OF SKATES.

Attention is called to the advertisement on pages 20 and 21 showing some of the new designs of Henry Boker & Sons' skates.

Boker's skates are, this year, said to be of particularly good quality, and the manufacturers are be commended for their determination to offer to the trade the finest goods that mechanical skill and workmanship can produce.

The illustrations and numbers shown this week are only a few of the hockey skates which are sold by Rice Lewis & Son, Limited, Toronto. The designs and patterns, have all been very carefully selected and are made and fitted with the latest improvements, such as cup brackets, puck stopper blades, concave blades, etc.

Special attention is called to the No. 697 "Monarch," which appears to be the greatest favorite among players for the coming season.

In our next issue will be shown some of their racing and other styles of skates, and it will be well for the readers of HARDWARE AND METAL to keep these pages for reference, although Rice Lewis & Son will be pleased to mail a complete catalogue to anyone in the trade desiring same.

MAY ERECT A SMELTER.

B. W. Folger and Lawyer Bawden, of Kingston, Ont., are seeking a bonus from Fort William, Ont., on which condition they offer to erect a copper smelter and iron furnace in that town. Folger Bros., Kingston, own considerable mining property near Fort William.

AN EXPERT'S INCOME

is within easy reach of anyone who will study "between times" and learn his business or trade thoroughly. Thousands of young men and women, prepared by us and now holding high-salaried positions, cannot endorse too strongly our unequaled course of

EDUCATION BY MAIL

in Electrical, Mechanical, Steam, Mining and Civil Engineering; Metallurgy, Art, Architecture, Practical Newspaper Work, English Branches, Stenography, Machine Design and Mechanical Drawing. Low price; easy terms.

Sent free to those who enroll now, a complete Drawing Outfit worth $11.10.

Mention subjects you are interested in when writing to

The United Correspondence Schools,
154 Fifth Ave., New York,
for Catalogue No. 108.



FOR SALE.

A NEW MARLIN RIFLE

Never been used. Just the Rifle for practice. Price $30. Will take $20.

19 Board of Trade, Montreal

The Syracuse Smelting Works

ARE MANUFACTURERS OF

Plumbers' and Tinsmiths' Solder

of highest quality. Highest market prices paid for old Brass and Copper.

SYRACUSE SMELTING WORKS

MONTREAL.

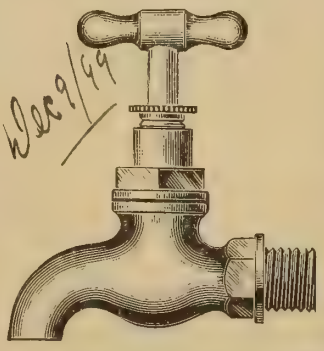
Sizes, ⅜ and ½-inch.



Cheapest IN THE WORLD.

J. M. LITCHFIELD
105 Beekman St.,
New York.

Made with 1½-inch shank with thread and nut.



The Imperial Faucet

With improved loose valve—easily renewed.

UNIQUE DESIGN.

WELL MADE.

Manufactured by

The James Morrison Brass Mfg. Co., Limited.

PERSONS addressing advertisers will kindly mention having seen their advertisement in Canadian Hardware and Metal Merchant.

Toronto Foundry Co.

Manufacturers of SOIL PIPE, FITTINGS, SINKS, BOILER STANDS.

Nos. 146-148-150 Niagara Street, TORONTO

The only Exclusive Manufacturers of Soil Pipe and Soil Pipe Fittings in Canada. . . . . .

All goods stamped T. F. Co. are warranted

MEANING OF THE TERM "GEAR."

OF all terms employed in conjunction with cycles and cycling, "gear" is probably the one most misunderstood, says American Exporter. To old riders it seems hardly possible that many should be ignorant in this respect, but the testimony of dealers shows that not only the new riders, but also those of two or three years' experience, fail to grasp the term as it is used. An illustration of this failure to apprehend the "how" and "why" of gear is afforded by the following question:

"A 28-inch wheel geared to 84, and a 30 inch wheel geared to 84; will one cover more ground with one revolution of the pedal than the other?"

The answer is, that neither travels further than the other. The gear of a bicycle, strictly, is its driving mechanism, the chains and sprockets, or the beveled cogwheels. Its common use in relation to bicycles, however, is different, and is anomalous. It is employed to represent speed attainment through the multiplying character of the gear, and even this is not represented directly. The figures as used are a heritage from the high wheel days, when strong riders rode as large a front wheel as they could, because the larger the wheel the further it traveled with one revolution of the pedals. So, a man who rode a wheel 52 inches in diameter was riding a stiffer gear than one riding a 50-inch wheel. The diameters then expressed the gear idea.

With the advent of the safety the plan was retained, and when a wheel 30 inches in diameter had its gear so arranged that it revolved twice with every turn of the pedals, it was said to be a bicycle of 60 gear, because the two revolutions made it equivalent to a wheel 60 inches in diameter. Thus the multiplying power has continued to be figured and represented by figures indicating always the equivalent diameter of the rear wheel. The teeth on the front and rear sprockets are cut uniformly one inch apart, and therefore the count of them has been a convenient way of determining the relative sizes of the sprockets, which is the fact upon which the gear depends. A front sprocket having two and a-half times as many teeth as the rear one will be two and a-half times as big, and the rear axle, with the wheel, will revolve two and a-half times while the front sprocket, crank-axle, cranks and pedals are revolving once. The real wheel of 28 inches in diameter then travels as far with every turn of the pedals as one of a diameter two and a-half times as big as 28 inches, which is 70 inches, and that is said to be the gear. A wheel of 70 inches in diameter, and one of 70 gear, making any wheel equivalent to that diameter, would travel about 220 inches, or 18 feet 4 inches. It would not make any difference whether it was a 2-inch wheel or a 50-inch wheel, so long as it was geared so as to be equivalent to one of 70 inches, the result would be the same, This method of referring to gears has been much criticized, and there is no justification of it except custom.

It would be much simpler and more accurate to speak of the gear by the multiple of motion it represents. Then an 84 gear would be called a 3 and others would be represented by integral numbers and fractions, such as "3 3–10," for what is now called a 92 2–5 gear. This would enable riders to find the equivalent diameter of their wheel simply by multiplying its actual diameter by the figures given. The equivalent diameter corresponds with the relative superiority of the front sprocket over the rear one, and for this reason the process of ascertaining a gear is to divide the size of the front sprocket (its number of teeth) by that of the small one, and multiply the rear wheel diameter by the quotient. It is expressed by the "rule of three," thusly: As the number of teeth on the small sprocket is to the number of teeth on the large sprocket, so is the actual diameter of the wheel to its equivalent diameter, which is to say, the gear. To avoid troublesome fractions it will be found easier usually to first multiply the large sprocket figures by the actual diameter and then divide by the rear sprocket figures.—American Exporter.

WIRE VS. CUT NAILS.

Some time ago The Stockman and Farmer, of Pittsburg, received a number of letters from their readers on the subject of the lasting qualities of steel wire nails as against the cut nail. The majority of these letters gave the wire nail a very bad name for shingling purposes. One of these letters, written by a gentleman from Pataskala, O., was submitted to The American Steel and Wire Company for a reply. As was supposed, the farmers have been using the wrong nail for shingling purposes, and naturally the whole make of steel nails were condemned. The letter from Pataskala, O., was as follows:

"This, perhaps, will be a surprise to you, to get a letter from a farmer and stock-raiser on the nail question. I wish to learn if there is a nail factory in your town and wish you to learn why steel nails rust out so soon. I have a barn 44 by about 90 feet that I bought the best-4x— shingles for and used the cut 4-penny nails, supposing they would outlast any roof. In nine years the shingles began to blow out, and now (after 12 years), one-half of the roof is loose. It will have to be gone all over and nailed. The shingles are as good as ever. I had an expert tinner repair some holes and he says the nails are steel nails; also says tin on iron is better than on steel, and that iron roofing is better than steel. This nail problem is certainly of vast importance to farmers and people who are building and use nails outdoors and in shingle roofs. I wish you to see your nail factory and learn and report in your paper. I would not know steel nails from iron. Are wire nails made of steel? The factory that first learns and makes the nail of the old kind of lasting material, and can warrant it, will have the inside track, as I would not give 1c. a keg for shingle-roof nails the same as I put them on with. It caused a damage of $50 to $100 to me. Now, if the nail factory will guarantee and send out one keg of 4, one of 5, one of 6, one of 7, and one of 8-penny nails of the old lasting material that will outlast any shingle, I want them. I don't care whether they are made on or after the wire plan, or cut. If after the wire plan I want large heads, as the heads pull through soft wood."

The answer from The American Steel and Wire Company to the above inquiry was as follows:

"The letter from your inquirer on this subject comes at a very opportune time. This question is now being agitated by the operating officials of the largest concern in the world engaged in the manufacture of wire and wire nails.

"Shingle nails, on account of their constant exposure to the weather and variation of climate, of course, are subjected to a severe test. It is undoubtedly true that wire nails will stand the test better than steel cut nails, because the surface of wire nails is entirely smooth, while that of the cut nail is rough on two sides, giving greater opportunity for collection and saturation of moisture. As between steel and iron, there also would be an advantage in using steel nails, as they are less liable to rust; but, now that the process of galvanizing nails after cut has been perfected, the use of the galvanized nail is being advocated for shingling purposes especially.

"It is also desirable to use a nail with extra large head. We, therefore, strongly recommend the use of galvanized shingling nails with extra large heads, that is, the nails galvanized after they are cut, not nails cut from galvanized wire, as on the latter the head and point are exposed and the coating is not perfect, as in the case of nails galvanized after cut. If your inquirer will order nails of this kind, he can rest easy about his roof, and will find the additional cost a profitable investment."

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, **Montreal.**

Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates, Galvanized Sheets, Imitation Russia Sheets Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.



VanTuyl & Fairbank

Petrolia, Ont.

Headquarters for . .

Oil and Artesian Well Pumps, Casing, Tubing Fittings, Drilling Tools, Tables, etc.

R. C. LeVESCONTE

Barrister, Solicitor, Notary, Etc.

THE McKINNON BUILDING
Cor. Jordan and Melinda Streets

. . . TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.

No. 3 Patent Well.

"Oil wont spill if upset."



Manufactured by

E. T. WRIGHT & CO.

Hamilton, Canada.

Send for New Catalogue.

TRADE MARK J REGISTERED

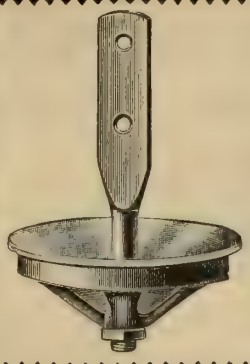
"JARDINE" TIRE UPSETTERS WILL UPSET TIRES

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

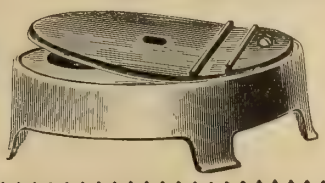
IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.
HESPELER, ONT.

Valves and Plungers.



Only the very best leather and rubber are used in these goods, and all are carefully and evenly fitted, making them the best of their kind.



Berger Bros. Co.

PHILADELPHIA, U.S.A.

HARRINGTON & RICHARDSON ARMS CO.

WORCESTER, MASS., U. S. A.

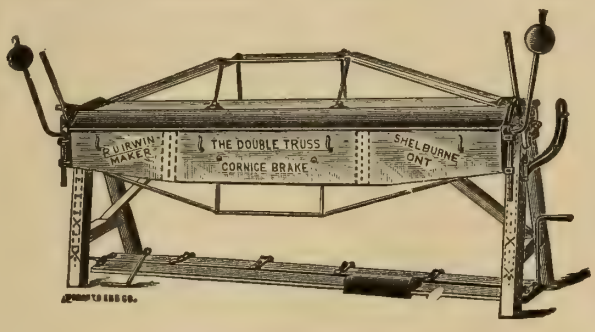


Makers of

High Grade REVOLVERS

SEND FOR COMPLETE CATALOGUE.

For sale by Sporting Goods and Hardware Stores almost everywhere.



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

Price, $50

Very handy beader attachment, $10 extra if required.

Send for circulars and testimonials to

The Double Truss Cornice Brake Co. SHELBURNE, ONT.

STEVENS IDEAL, NO. 44



This is as reliable and accurate a rifle as can be constructed. Placed at a moderate price to meet the demand for such a rifle. It is recommended without qualification and fully guaranteed. Made in the following styles:

.22 Long-Rifle R. F., 25 Stevens R. F., and .32 Long R. F. Standard length of barrel for rim-fire cartridges, 24 inches. Weight 7½ pounds.

.25-20 Stevens C. F., .32-40 C. F., .38-55 C. F., and .44-40 (.44 W. C. F.) Standard length of barrel for center-fire cartridges, 26 inches. Weight, 7¾ pounds.

Half-octagon barrel, oiled walnut stock and fore-arm, rifle butt, case-hardened receiver, sporting rear and Rocky Mountain front sight.

Price, with standard length of barrel, $13.00.

Can be obtained of any of the leading jobbers in Canada at liberal discount from this price.

Send for complete catalogue of our full line of Rifles, Pistols and Machinists' Tools.

J. Stevens Arms & Tool Co., P. O. Box 217, Chicopee Falls, Mass., U.S.A.

HUTCHISON, SHURLY & DERRETT

DOVERCOURT TWINE MILLS.

1078 BLOOR STREET WEST TORONTO.

Having equipped our Factory with entirely new machinery, we are prepared to furnish the best made goods in the market at closest prices and make prompt shipments.

Hand Laid Cotton Rope and Clothes Lines,
Cotton and Russian Hemp Plough Lines, plain and colored.
Cotton and Linen Fish Lines, laid and braided.
Netted Hammocks, white and colored, Tennis and Fly Nets.
Skipping Ropes, Jute, Hemp and Flax Twines.

THOS. GOLDSWORTHY & SONS

MANCHESTER, ENGLAND.

EMERY { Cloth / Corn / Flour

We carry all numbers of Corn and Flour Emery in 10-pound packages, from 8 to 140, in stock. Emery Cloth, Nos. OO., O., F., FF., 1 to 3.

JAMES HUTTON & CO., Wholesale Agents for Canada, **Montreal.**

CURRENT MARKET QUOTATIONS.

Dec. 8, 1899.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—		
56 and 28 lb. ingots, per lb.	....	0 35
Straits	....	0 35

Tinplates.

Charcoal Plates—Bright.

		Per box
M.L.S., equal to Bradley.		
I.C., usual sizes	....	$6 50
I.X., "	....	7 75
I.X.X., "	....	9 00
J. R. & Co.—		
I.C	....	6 00
I.X	....	7 25
I.X.X	....	8 50
Famous—		
I.C.	....	6 25
I.X.	....	7 50
I.X.X.	....	8 75
Raven & Vulture Grades—		
I.C., usual sizes	....	5 00
I.X., "	....	5 75
I.X.X. "	....	6 50
I.XXX., "	....	7 25
D.C., 12½x17	....	4 50
D.X.	....	5 25
D.X.X	....	7 25

Coke Plates—Bright.

Bessemer Steel—		
I.C., usual sizes	....	4 35
I.C., special sizes, base...	...	4 50
20x28	....	8 75

Charcoal Plates—Terne.

Dean or J. G. Grade—		
I.C., 20x28, 112 sheets	....	8 50
I.X., Terne Tin	....	10 50

Charcoal Tin Boiler Plates.

		Per lb.
Cookley Grade—		
X X., 14x56, 50 sheet bxs " 14x60 " " 14x65, "		0 07 0 07½

Tinned Sheets.

72x30 up to 24 gauge	0 08	0 08½
" 26 "	0 08½	0 09
" 28 "	0 09	0 09½

Iron and Steel.

	Base	Price
Common Bar, per 100 lbs	2 35	2 45
Refined " "	2 85	2 95
Horse Shoe	...	2 65
Hoop steel, 1½ to 3 in. base, extras for smaller sizes	....	3 00
Swedish " "	4 00	4 25
Sleigh Shoe Steel " base	....	2 70
Tire Steel	....	2 70
Machinery	....	2 65
Cast Steel, per lb	0 10	0 14
Toe Calk Steel	....	3 25
Thos. Firth & Sons' Cast Steel	0 12	0 14
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker.	3 00	3 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½-inch	....	0 11
2 "	....	0 12
2½ "	....	0 14
"	....	....

Steel Boiler Plate.

¼ inch	....	3 25
3-16 inch	....	3 40
⅜ inch and thicker	....	3 25

Black Sheets.

18 gauge	....	3 00
20 gauge	...	3 00
22 to 24 "	....	3 10
26	....	3 20
28 "	....	3 35

Canada Plates.

All dull, 52 sheets	....	3 00
Half polished	....	3 10
All bright	....	3 60

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ⅜ inch $3 60 ; ½ inch, $3.60 ; ¾ inch, $4.20; 1 inch, $5.90; 1¼ inch, $7.85; 1½ inch, $9.75 ; 2 inch, $13.00. 2½ to 6 inch, discount 45 p.c.

Galvanized, ½ inch, $6.50; ¾ inch, $8.00 ; 1 inch, $11.50 ; 1¼ inch, $16.00; 1½ inch, $20.00 ; 2 inch, $28.50.

Galvanized Iron.

	G C. Comet.	Amer.	Queen's Head
16 gauge	...	4 35	4 25
18 to 24 gauge	4 50 3 80	4 35	4 50
26 "	4 75 4 10	4 35	4 75
28 "	5 00 4 35	4 60	5 00

Less than case lots, 25c. per 100 lb. additional.

Chain.

Proof Coil, 3-16 in., per 100 lb	....
" ¼ " "	.... 8 25
" 5-16 " "	.... 6 25
" ⅜ " "	... 5 50
" 7-16 " "	... 5 30
" ½ " "	... 5 10
" ⅝ " "	... 4 90
" ¾ " "	... 4 85
Halter, kennel and post chains, 40 and 50 p.c.	
Cow ties	40 p.c.
Stall fixtures	35 p.c.
Trace chain	25 and 5 p.c.
Jack chain, iron, single and double, discount 35 p.c.	
Jack chain, brass, single and double, discount 40 p.c	

Copper.

Ingot		
English B. S., ton lots	0 20	0 21
Lake Superior	....	....
Bolt or Bar.		
Cut lengths, round, ½ to ⅞ in.	0 23½	0 25
" round and square 1 to 2 inches	0 23½	0 25
Sheet.		
Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 23	0 23½
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 23	0 23½

NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.

Tinned copper sheets	....	0 26
Planished	....	0 32
Braziers. (In sheets.)		
4x6 ft. 25 to 30 lbs. ea., per lb.	....	0 25½
" 35 to 45 " "	....	0 24½
" 50-lb. and above, "	....	0 23½
Boiler and T. K. Pitts.		
Plain Tinned, per lb	....	0 28
Spun, per lb	....	0 32

Brass.

Roll and Sheet, 14 to 30 gauge, 5 per cent.		
Sheets, hard-rolled, 2x4	0 24	0 25
Tubing, base, per lb	0 24	0 25

Zinc Spelter

Foreign, per lb	0 07	0 07¼
Domestic "	....	....

Zinc Sheet.

5 cwt. casks	....	0 08
Part casks	....	0 08¼

Lead.

Imported Pig, per lb	0 04¾	0 05
Domestic, per lb	....	....
Bar, 1 lb	....	05
Sheets, 2½ lbs. sq. ft., by roll.	0 05¼	05½
Sheets. 3 to 6 lbs., per sq. ft., by roll	0 05	0 05¼

NOTE.—Cut sheets ½ cent per lb. extra

Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 17½ per cent. discount

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths, lists at 7½ cents.

Shot.

Ordinary, drop, $5.25 per 100 lb. ; chilled $5.50 per 100 lb. F.O.B. Toronto ; terms 3 per cent cash, freights equalized on Montreal.

Soil Pipe and Fittings.

Discount, 50 per cent. on medium and extra heavy, and 45 per cent. on light.

Solder.

	Per lb.	Per lb.
Bar half-and-half	0 20	0 21
Refined	0 19½	0 20
Wiping	0 19	0 19½

NOTE.—Prices of this graded according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 11	0 11½

White Lead.

	Per cwt.
Pure, Assoc. guarantee, ground in oil, 25 lb. irons	6 50
No. 1 do	6 12½
No. 2 do	5 75
No. 3 do	5 37½
No. 4 do	5 00
Robertson's Chemically Pure	6 50
Munro's Select Flake White	6 75
Elephant and Decorators' Pure	6 50

Red Lead.

Genuine, 560 lb. casks, per cwt.	$....	$5 00
Genuine, 100 lb. kegs, per cwt..	5 25	5 50
No. 1, 560 lb. casks, per cwt.	....	4 75
No. 1, 100 lb. kegs, per cwt.	....	5 00

White Zinc Paint.

Elephant Snow White	0 08	0 09
Pure White Zinc	0 08	0 09
No. 1	0 06	0 07½
No. 2	0 05	0 06½

Dry White Lead.

Pure, casks	0 05⅛
Pure, kegs	0 05⅝
No. 1, casks	0 04⅞
No. 1, kegs	0 05⅛

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)

Pure, per gallon	1 00	1 10
Second qualities, per gallon..	0 90	0 95
Barn (in bbls.)	0 70	0 90
The Sherwin-Williams Paints	...	1 30
Canada Paint Co's Pure	1 10	1 20
Robertson's Pure	....	1 10
Sanderson Pearcy's Pure	1 00	
Toronto Paint and Color Co.'s Pure	1 10	1 20

Colors in Oil.

(25 lb. tins, Standard Quality.

Venetian Red, per lb	0 05
Chrome Yellow	0 11
Golden Ochre	0 06
French "	0 05
Marine Black	0 09
" Green	0 09
Chrome "	0 08
French Imperial Green	0 19

Colors, Dry.

Yellow Ochre (J.C.) bbls	1 35	1 40
Yellow Ochre (J.F.L.S.), bbls	...	2 75
Yellow Ochre (Royal)	1 10	1 15
Brussels Ochre	....	2 00
Venetian Red (best). per cwt.	1 80	1 90
English Oxides, per cwt.	3 00	3 25
American Oxides. per cwt ..	1 75	2 00
Canadian Oxides, per cwt.	1 75	2 00
Super Magnetic Oxides, 93 p c.	2 00	2 25
Burnt Sienna, pure, per lb..	....	0 10
" Umber, " " ..	....	0 10
do Raw	....	0 09
Drop Black, pure	....	0 09
Chrome Yellows, pure	....	0 18
Chrome Greens, pure. per lb.	....	0 12
Golden Ochre	....	0 03¾
Ultramarine Blue in 28-lb boxes, per lb	0 08	0 24
Fire Proof Mineral, per 100 lb.	....	1 00
Genuine Eng. Litharge, per lb	....	0 07
Mortar Color, per 100 lb.	....	1 25
James' Gen. Red Lead, 100 lb	....	0 05
Pure Indian Red, No. 45, lb.	....	0 08
Whiting, per 100 lb.	....	0 55

Sulphate of Copper.

Casks, for spraying, per lb.		0 07
100-lb. lots, do. per lb		0 08

Putty.

Bladders in bbls.	1 80
Bladders in 100 or 200 lb. kegs or bxs	1 95
Bulk in bbls., per 100	1 65
Bulk in less quantities	1 80
25-lb. tins, 4 in case	2 05
12½-lb. tins, 8 in case	2 30

Varnishes.

(In 5-gal. lots.).		Per gal
Carriage, No. 1	1 30	1 40
Extra do.	1 50	1 60
Body Varnish	3 40	3 50
Furniture Varnish	0 60	0 75
Extra do.	1 10	1 20
Demar Varnish	....	1 60
Hard Oil Finish	1 30	1 45
Orange Shellac Varnish	2 00	2 10
White Shellac	2 20	2 25
Rubbing Varnish	....	2 00
Brown Japan	85	1 00
Elastic Oak	....	1 40

Linseed Oil.

Raw.		Boiled.	
1 to 4 bbls	$0 63	delivered	$0 66
5 to 9 bbls	62	"	65
10 to 15 bbls	59	f.o.b. point ship'nt	62
16 to 30 bbls	57	" "	60

Toronto, Hamilton London and Guelph prices on 1 to 9 barrels are 1c. less.

Turpentine.

Single barrels	...	0 77
2 to 4 barrels	....	0 76

Freight allowed. Toronto, Hamilton London and Guelph, 2c. less.

Castor Oil.

In cases, per lb	....	0 09
Small lots	....	0 10

Cod Oil, Etc.

Cod Oil, per gal	0 50	0 55
Pure Olive	....	1 20
" Neatsfoot	....	90

Glue.

(In bbls.)

Common	0 08½	0 09
French Medal	0 12	0 12½
Cabinet, sheet	0 11	0 12
White, extra	0 16	0 18
Gelatine	0 22	0 30
Strip	0 16	0 18
Coopers	0 19	0 20
A1 clear	....	0 09

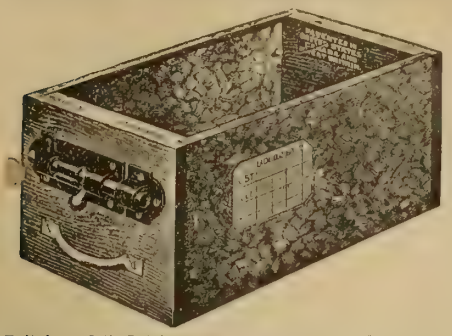
HARDWARE.

Ammunition.

Cartridges.

B. B. Caps. Dom., 50 and 5 per cent.
Rim Fire Pistol, dia. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18 p.c. Amr

CHRISTMAS TRADE over, then stock-taking, and after that the usual right siding during the slack time which will be a good opportunity to put in Bennett's Hardware Shelf Box, now so popular in Canada, Great Britain and the United States. For prices of these, the Klondike Sample Holder and Bennett's new bronze box pull, write to



J. S. BENNETT, 20 Sheridan Ave., Toronto.

N. B.—Shelf boxes made to fit your present shelving.

WARNOCK'S TOOLS

have been Canada's Standard for 55 years---since 1844. Every article bearing our name is fully guaranteed. Always specify **"Warnock's."**

James Warnock & Co., - Galt, Ont.

Central Fire Cartridges, pistol sizes, Dom 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p.c.
Brass Shot Shells, 55 and 10 per cent.
Primers, Dom., 30 per cent.

Wads.

	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Per lb	10	0 12½
Anvil and Vice combined	....	4 50
Wilkinson & Co.'s Anvils, lb.	0 09	0 09½
Wilkinson & Co.'s Vices, lb.	0 09¾	0 10

Augers.

Gilmour's, discount 50 and 10 p.c. off list.

Axes.

Chopping Axes—		
Single bit, per doz	5 50	10 00
Double bit, "	12 00	18 00
Bench Axes, 40 and 15 p.c.		
Broad Axes, 33⅓ per cent.		
Hunters' Axes	5 50	6 00
Boy's Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Bath Tubs.

Zinc	3 90	4 00
Copper, discount 40 and 10 p.c. off revised list		
Steel clad, discount 20 per cent. Boxing extra.		

Anti-Friction Metal.

Tandem "A"	per lb.	0 23
" B	"	0 19
" C	"	0 11½
Magnolia Anti-Friction Metal, per lb. F. O. B. New York or Chicago.		0 25

Bells.

Hand.

Brass, 60 per cent.
Steel, 55 per cent.

Door.

Gongs, Sargant's	5 50	8 00
" Peterboro', discount 27½ per cent.		

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00
Blacksmiths', discount 40 per cent.		

Belting.

Extra, 50 per cent.
Standard, 50 and 10 to 50, 10 and 5 per cent.
Agricultural, 60 and 10 p.c.

Bits.

Auger.

Gilmour's, discount 50 and 10 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent.

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts. Per cent.

Norway Bolts, full square	65
Common Carriage Bolts, all sizes	50
" " full square	65
Machine Bolts, all sizes	52½
Coach Screws	65
Sleigh Shoe Bolts	70
Blank Bolts	52½
Bolt Ends	62½
Nuts, square	3½c. off
Nuts, hexagon	4c. off
Tapping Nuts	60
Tire Bolts	60 and 10
Stove Bolts	60 and 10
Stove rods, per lb	5½ to 6c.
Plough Bolts	50

Boot Calks.

Small and medium, per M	4 50	
Small heel, per M	4 25	

Bright Wire Goods.

Discount ..... 55 per cent

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dls., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent.

Henis, No. 8, "	....	6 00
Henis, No. 9, "	....	7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Plain building, per roll	0 28
Tarred lining, per roll	0 35
Tarred roofing, per 100 lb	1 40
Coal Tar, per barrel	3 75
Pitch, per 100-lb	0 60
Carpet felt, per 100 lb	2 50

Bull Rings.

Copper, $2.50 for 2½ in. and $2 for 2 in,

Butts.

Brass.

Wrought Brass, net revised list.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel.

Fast Joint, dis. 60 and 10 per cent.
Loose Pin, dis. 60 and 10 per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Cards.

Horse, per doz	0 60	1 00

Carpet Sweepers.

Bissell, per doz	....	22 50
World, "	....	24 75
Daisy, "	....	24 00
Star, "	....	18 00
Crown Jewel, per doz	....	29 00
Grand Rapids, "	24 00	33 00

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	...

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	50	9 50

Cement.

Canadian Portland	2 65	2 90
English "	....	3 00
Belgian "	....	2 70
Canadian hydraulic	1 00	1 10

Figures are for barrel lots.

Chalk.

Carpenters, Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 60 and 5 per cent.
Warnock's, dis. 60 per cent.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.60—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above. Discounts: Delivered from factories, 60 p.c.; from stock in Montreal, 58 p.c. Terms, 4 months or 3 p.c. cash in 30 days.

Cinder Sifters.

Per doz	1 25

Clips.

Axle dis. 65 per cent.

Closets.

Plain Ontario Syphon Jet	$8 00
Emb. Ontario Syphon Jet	8 50
Fittings	1 00
Plain Teutonic Syphon Washout	4 75
Emb. Teutonic Syphon Washout	5 25
Fittings	1 00
Plain Richelieu	4 75
Emb. Richelieu	5 00
Fittings	1 25
Closet connection	1 25
Basins, round 14 in.	0 65
" oval, 17 x 14 in.	1 55
" " 19 x 15 in.	2 30

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 20 per cent. from factory.

Dies.

Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. per cent.

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Broad's, dis. 60 to 60 and 7½ per cent.
Warnock's, dis. 60 to 60 and 7½ per cent.

Drills.

Hand and Breast.

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis. 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.

Stovepipe.

Per doz	0 85	1 70

ESCUTCHEONS.

Discount, 27½ per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 45 per cent.

FILES.

Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Jowitt's, English list, 25 to 27½ per cent
Mechanics' Star & File Mfg. Co. Discount 60 and 10 to 70 per cent.

FORKS.

Hay, manure, etc., dis., 50 and 10 per cent. revised list.

FRUIT PRESSES.

Henis', per doz	3 25	3 50
Shepard's Queen City, dis. 15 per cent.		

GAUGES.

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft
Under 26	2 10	4 00	3 50	6 00
26 to 40	2 30	4 35	3 75	6 65
41 to 50	....	4 75	....	7 25
51 to 60	....	5 00	...	8 50
61 to 70	....	5 35	....	9 25
71 to 80	....	5 75	....	10 50
81 to 85	....	6 50	....	11 75
86 to 90	....	7 25	....	14 00
91 to 95	....	....	....	15 50
96 to 100	....	....	....	18 00
101 to 105	....	....	....	21 00
106 to 110	....	....	....	24 00
111 to 115	....	....	....	28 00

16 x 16 10 per cent. off.

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾ "	...	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis 5 to 10 per cent. Can. dis. 25 to 27½ per cent.

Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz., net	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pair	0 40	2 50

Fork

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. list.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 7

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾	0 20

HANGERS.

	doz.	pairs
Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6 50
Lane's covered—		
No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot	...	4½

HARVEST TOOLS.

Discount, 50 and 10 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent.

HINGES.

Blind, Parker's, dis. 60 and 10 to 65 per cent		
" Shepard's Noiseless, dis. 60 per cent.		
" " Buffalo, dis. 60 to 70 p. c.		
Heavy T and strap, 4-in., per lb	....	0 06
" " 5-in., "	....	0 05¾
" " 6-in., "	...	0 05½
" " 8-in., "	....	0 05¼
" " 10-in., "	....	0 05

Light T and strap, dis. 60 and 10 per cent.

Screw hook and hinge—		
6 to 12 in., per 100 lbs	....	4 50
14 in. up, per 100 lbs	...	3 50
	Per gro.	pair
Spring	....	12 00

HOES.

Garden, Mortar, etc., dis 50 and 10 p.c.		
Planter, per doz	4 00	4 50

HOLLOW WARE

Discount,..... 45 and 5 per cent

HOOKS.

Cast Iron.

Bird Cage, per doz.....	0 50	1 10
Clothes Line, per doz.....	0 27	0 63
Harness, per doz.....	0 72	0 88
Hat and Coat, per gross.....	1 00	3 00
Chandelier, per doz.....	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.

Hat and Coat, discount 45 per cent.
Belt, per 1,000..... 0 60 0 70
Screw, bright, dis. 55 per cent.

HORSE NAILS.

'C' brand 50 p.c. dis.
'M' brand 50 p.c. } Oval head.

Ccadian, 50 and 20 p.c., countersunk head.

HORSESHOES.

Iron Shoes.	F.O.B. Toronto. No. 2 and larger.	No. 1. and smaller.
Light, medium, and heavy.	3 80	4 05
Snow shoes.....	4 05	4 30
Steel Shoes.		
Light.....	4 10	4 35
Featherweight (all sizes).....	5 35	5 35

JAPANNED WARE.

Discount, 45 per cent. off list, June, 1899.

ICE PICKS.

Star, per doz..... 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb..... 0 30 0 50
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 27½ p.c.
Cabinet, trunk, and padlock, Am. per gross..... 60

KNOBS.

Door, japanned and N.P., per doz	1 50	2 50
Bronze, Berlin, per doz.....	2 75	3 25
Bronze Genuine, per doz....	6 00	9 00
Shutter, porcelain, F. & L. screw, per gross.....	1 30	4 00

HAY KNIVES.

Discount, 50 and 10 per cent.

LANTERNS.

Cold Blast, per doz.....	7 50
No. 3 " Wright's ".....	8 50
Ordinary, with O burner	4 25
Dashboard, cold blast	9 50
No. 0.	6 00

Japanning, 50c. per doz. extra.

LEMON SQUEEZERS.

	per doz.	
Porcelain lined,.....	2 20	5 60
Galvanized.....	1 87	3 85
King, wood.....	2 75	2 90
King, glass.....	4 00	4 50
All glass.....	1 20	1 30

LINES.

Fish, per gross.....	1 05	2 50
Chalk "	1 90	7 40

LOCKS

Canadian, dis. 27½ p.c.

Russell & Erwin, per doz....	3 05	3 25

Cabinet.

Eagle, dis. 30 p.c.

Padlock.

English and Am., per doz....	50	6 00
Scandinavian. "	1 00	2 40

Eagle, dis. 15 to 17½ p.c.

MACHINE SCREWS.

Iron and Brass.

Flat head, discount 25 p.c.
Round Head, discount 20 p.c.

MALLETS.

Tinsmiths', per doz.....	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz..	3 85	5 00
Caulking, each.....	60	2 00

MATTOCKS

Canadian, per doz..... 8 50 10 00

MEAT CUTTERS.

American. dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2d. and 3d	$3 60	$4 30
3d	3 25	3 95
4 and 5d.....	3 00	3 80
6 and 7d.....	2 90	3 65
8 and 9d.....	2 75	3 45
10 and 12d.....	2 70	3 40
16 and 20d.....	2 65	3 35
30, 40, 50 and 60d. (base).....	2 60	3 30

Steel Cut Nails 10c extra.

NAIL PULLERS.

German and American..... 1 85 3 50

NAIL SETS.

Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.

Poultry, 45 per cent. for McMullen's.

OIL.

Canada refined (Toronto)....	....	0 13½
Sarnia Water White	....	0 15
Pratt's Astral.....	....	0 18
Sarnia, Prime White.....	....	0 14
American w. w.	....	0 16½

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz.....	0 00	11 00
Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz.....	1 25	3 50
Brass, "	1 50	3 50

Malleable, dis. 25 per cent.

PAILS.

Galvanized pails, discount 45 per cent.
Galvanized flaring pails, discount 45 per cent
Galvanized washtubs, discount 45 per cent.

PIECED WARE.

Discount, 40 per cent. off list, June, 1899.

PICKS.

Per doz 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross....	1 50	3 00
Brass head, "	0 40	1 00

PLANES.

Wood, bench, Canadian dis. 55 per cent. American dis. 55.
Wood, fancy Canadian or American, 37½ to 40 per cent.
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.
Miscellaneous, dis. 25 to 27½ per cent.
Bailey's Victor, 25 per cent

PLANE IRONS.

English, per doz..... 2 00 5 00

PLIERS AND NIPPERS.

Button's Genuine, per doz pairs, dis. 37½ 40 p.c
Button's Imitation, per doz.. 5 00 9 00
German, per doz..... 0 60 2 60

PRESSED SPIKES.

Discount, 20 per cent.

PULLEYS.

Hothouse, per doz.....	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning.....	0 35	2 50

PUMPS

Canadian cistern.....	1 40	2 25
Canadian pitcher spout....	1 15	2 00

PUNCHES.

Saddlers', per doz.....	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set.....	0 00	0 72
" hollow, per inch....	0 00	1 00

RANGE BOILERS

Galvanized, 30 gallons			8 50
"	35	"	10 00
"	40	"	11 00
Copper,	30	"	22 00
"	35	"	26 00
"	40	"	30 00

Discount off Copper Boilers 10 per cent.

RAKES.

Cast steel and malleable Canadian, list dis. 50 and 10 p.c revised list.
Wood, 25 per cent.

RASPS AND HORSE RASPS.

New Nicholson horse rasp, discount 60 p.c.
Globe File Co.'s rasps, 60 and 10 to 70 p.c.
Heller's Horse rasps, 50 to 50 and 5 p.c.

RAZORS.

	per doz.	
Geo. Butler & Co.'s,.....	8 00	18 00
Boker's	7 50	11 00
Wade & Butcher's...	3 60	10 00
Theile & Quack's	7 00	12 00
Elliot's	4 00	18 00

REAPING HOOKS.

Discount, 50 and 10 per cent.

REGISTERS.

Discount,..... ..... 60 per cent.

RIVETS AND BURRS.

Carriage, Section, Wagon Box Rivets, etc (Steel), 45 p c.
Black M Rivets (Steel), 45 p.c.
Black and Tinned Rivets, 45 p.c.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets & Burrs, 35 p.c. dis., and cartons, 1c. per lb. extra, net.
Extras on Tinned or Coppered Rivets in ½-lb. cartons, 1c. per lb.
Burrs, iron or steel, 40 per cent.
Terms, 4 mos. or 3 per cent. cash 30 days.

RIVET SETS.

Canadian, dis. 35 37½ per cent.

ROPE, ETC.

	Sisal.	Manila.
7-16 in. and larger, per lb.	12½	15
⅜ in.....	13	15½
¼ and 5-16 in.	13½	16
Cotton		14
Russia Deep Sea		15½
Jute		8
Lath Yarn		9¾
New Zealand Rope..... ..		10½

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

	per set.
Mrs. Potts, plain, polished	0 90
" " " 12 case ots	0 85

10c. advance for plated.

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 2½ per cent.
Emery, 40 per cent.

SAWS.

Hand, Disston's, dis. 12½ p.c.
S. & D., 40 per cent.

Crosscut, Disston's, per ft....	0 35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.		
Hack, complete, each.....	0 75	2 75
" frame only.....	....	0 75

SASH WEIGHTS.

Sectional, per 100 lbs.....	....	3 25
Solid, "	....	1 50

SASH CORD.

Per lb.....	0 23	0 30

SAW SETS.

"Lincoln," per doz.....	....	6 50

SCALES

Gurney Scales, 45 p.c.
B. S. & M. Scales, 45 p.c.
Champion 55 per cent.
Fairbanks Standard 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Chatillon Spring Balances, 10 p.c.

SCREW DRIVERS.

Sargent's, per doz.....	0 65	1 00

SCREWS

Wood, F. H., iron, and steel, 80 p.c.
Wood R. H., " dis. 75 p.c.
" F. H., brass, dis. 75 p.c.
Wood, R. H., " dis. 67½ p.c.
" F H, bronze, dis. 67½ p.c.
" R.H. " 62½ p.c.
Drive Screws, 80 per cent.

Bench, wood, per doz.....	3 25	4 00
" iron, "	4 25	5 75

SCYTHES.

Discount, per doz. net.....	9 00	15 00

SCYTHE SNATHS.

Canadian, dis. 45 p.c.

SHEARS

Seymour's, dis. 50 and 10 p.c.
Heinisch, dis. 50 and 10 p.c.
Seymour or Heinisch tailor shears. 15 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SINKS.

Steel and galvanized, discount 45 per cent.

SNAPS.

Harness, German, dis. 25 p.c.		
Lock, Andrews'.....	4 50	11 50

SOLDERING IRONS.

1, 1½ lb., per lb.....		0 37
2 lb. or over, per lb.		0 34

SQUARES.

Iron, per doz.....	1 65	2 90

Steel, dis. 50 and 10 per cent., revised list.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized		3 75
Bright		3 50

STOCKS AND DIES.

American dis. 25 p.c.

STONE.

	Per lb,	
Washita.....	0 28	0 60
Hindostan	0 06	0 07
" slip, ...	0 09	0 09
Labrador	....	0 13
" Axe.....	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, per ton	15 00	18 00

STOVE PIPES.

5 to 6 inch, per 100 lengths....	....	6 75
7 inch, per 100 lengths.....	....	7 25

Stove Polish.



No. 4—3 dozen in case, net cash $4 50
No. 6—3 dozen in case, " 7 50

STEP LADDERS.

Best grade, from 3 to 10-ft. long, per foot, 16c.
2nd grade, 3 to 10-ft., per foot, 10c.

TACKS BRADS, ETC.

	Per cent.
Strawberry box tacks, bulk 75	
Cheese-box tacks, blued .....80 and 12½	
Trunk tacks, black and tinned....80 and 12½	
Carpet tacks, blued and tinned ..75 and 10	
" " (in kegs) 35	
Cut tacks, blued, in dozens only ..70 and 10	
" ¼ weights 55	
Swedes, cut tacks, blued and tinned—	
In bulk 80	
In dozens .....70 and 10	
Swedes, upholsterers', bulk .....80 and 12½	
" brush, blued & tinned, bulk..45	
" gimp, blued tinned and japanned..... .....70 and 10	
Zinc tacks 30	
Leather carpet tacks 55	
Copper tacks 50	
Copper nails 52½	
Trunk nails, black 65	
Trunk nails, tinned .....65 and 5	
Clout nails, blued and tinned.....	65
Chair nails	35
Cigar box nails	35
Patent brads	40
Fine finishing	40
Picture frame points	10
Lining tacks, in papers	10
" " in bulk	15
" " solid heads, in bulk.....	75
Saddle nails in papers	10
" " in bulk	15
Tufting buttons, 22 line, in dozens only	60
Tin capped trunk nails.....	15
Zinc glazier's points.....	5
Double pointed tacks, dozens.....	85
" " " bulk	35

TAPE LINES.

English, ass skin, per doz....	2 75	5 00
English, Patent Leather....	5 50	9 75
Chesterman's each.....	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRANSOM LIFTERS.

Payson's per doz..... ..... 2 60

TRAPS. (Steel.)

Game, Newhouse, dis. 25 p c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's, discount 10 per cent.		
German, per doz.....	4 75	6 00
Brade's "	5 00	10 50

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb.....	....	0 21
Wrapping, mottled, per pack.	0 50	0 60
Wrapping, cotton, per lb	0 17	0 18
Mattress, per lb.....	0 33	0 45
Staging, "	0 27	0 35
Broom, "	0 30	0 55

VISES.

Hand, per doz.....	4 00	6 00
Bench, parallel, each	2 00	4 50
Coach, each.....	6 00	7 00
Peter Wright's, per lb.....	0 12	0 13
Pipe, each.....	5 50	9 00
Saw, per doz	6 50	13 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Smooth Steel Wire, base, $3.45 per 100 lb. List of extras: Nos. 2 to 5, advance 7c. per 100 lb.—Nos. 6 to 9 base—No. 10, advance 7c.—No. 11, 14c.—No. 12, 20c.—No. 13, 35c.—No. 14 47c.—No. 15, 60c.—No. 16, 75c. Extras net per 100 lb.: Coppered wire, 60c.—tinned wire, $2—oiling, 10c.—special hay-bailing wire, 30c.—spring wire, $1—best steel wire, 75c.—bright soft drawn, 15c. in 50 and 100-lb. bundles net, 10c.—in 25-lb. bundles net, 15c.—packed in casks or cases, 15c.—bagging or papering, 10c.
Fine Steel Wire, dis. 12½ per cent. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, $7.65—No. 24, $8—No. 25, $9—No. 26, $9.50—No. 27, $10—No. 28 $11—No 29, $12—No. 30, $13—No. 31, $14—No 32, $15 No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31, $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $4.25—No. 9, $3.5 —No. 10, $4.40—No. 11, $4.45—No. 12, $3 70—No. 13, $3.45—No. 14, $5.00—No. 15. $5.30—No. 16. $5.50.
Clothes Line Wire, 19 gauge, per 1,000 feet..... ,... 3 30

WIRE FENCING. F.O.B

Galvanized, 4 barb, 2¼ and 5 inches apart.....	Toronto 3 60
Galvanized, 2 barb, 4 and 6 inches apart.....	3 60
Galvanized, plain twist.....	3 60

Terms, 2 per cent. in 10 days.

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net... 1 85

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.

Towers' Engineer, each.....	2 00	00
" S., per doz	5 80	
G. & K.'s Pipe, per doz.....	....	
Burrell's Pipe, each.....	....	3 00
Pocket, per doz.....	0 25	2 90

WRINGERS.

Leader.....per doz.	$60 00
Royal Canadian ..... "	58 00
Royal American ..... "	48 00

Discount, 45 per cent.; terms 4 months, or 3 p.c. 30 days. Prices are f.o.b. London Hamilton Toronto, Brockville or Montreal.

MONTREAL LIFE CHRISTMAS NUMBER . .

The Christmas Number of "MONTREAL LIFE," out this week, is a superb edition—beautifully illustrated, handsomely printed, with a dainty cover design in attractive colors, and containing a number of brilliant short stories, special articles, poems, etc., by Canadian and foreign writers of repute. There is no doubt that this is the handsomest and best Christmas paper for the price ever issued in Canada. No expense has been spared in its preparation, and only the best artistic and literary work obtainable has been admitted to its columns. It will make a superb present to send to friends in distant parts of the world, being truly representative of Canadian literature, art, and business enterprise. Orders may be left with newsdealers, or sent direct to the offices of the publishers, 18-19 Board of Trade, Montreal, and 26 Front street west, Toronto, and 109 Fleet street, E.C., London, Eng. The price, considering the size and quality of the number, is the lowest ever touched in Canada—**10 cents per copy.**

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LIMITED

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in the Business Field are constantly opening to those who are qualified to fill them. The

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Made with shorter barrel for bicycle use.

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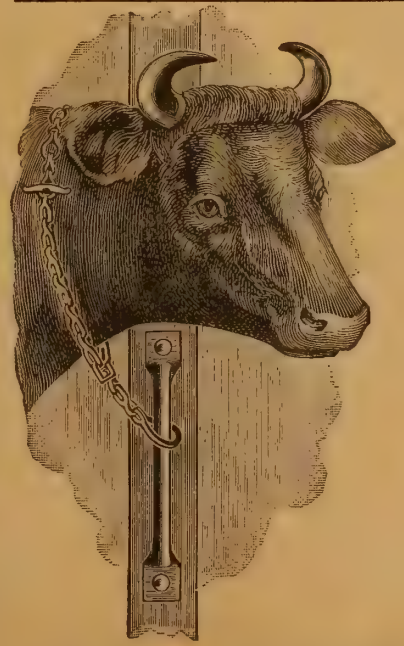
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Manufacturers of the

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Dominion Pattern Cow Tie AND Stall Fixture

The special features of the tie and stall fixture are well shown in the illustration. As will be noticed the chain is very short which prevents all danger of entanglement with the animal's foot. At the same time the form of the fixture is such that great freedom is allowed to the head. Because of the short chain this tie is much cheaper than the ordinary patterns.

The stall fixture is made from a tough quality of steel and is very strong. Also, owing to its circular cross-section, it is exceedingly rigid. Its simplicity, convenience, cheapness, and ease of attaching make it very popular with cow tie users.

This form of tie and stall fixture are sometimes called Niagara pattern.

American or Flat Link Chain,

for years the standard cow tie chain in "the States," is now rapidly coming in favor in Canada. Its short link, handsome appearance and smooth surface—which cannot injure the animal's neck—make it superior to all other styles of chain for cow ties.

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ONEIDA COMMUNITY, Limited, NIAGARA FALLS, ONT.

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BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM
HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

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THIS LINE of stoves commands a liberal profit for all dealers.



This stove has more good selling points than any other stove on the market.

It is fitted with sheet steel oven, which is so braced that it is impossible for it to warp or crack.

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The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XI. MONTREAL AND TORONTO, DECEMBER 16, 1899. NO. 50



Magnolia Metal

Best Anti-Friction Metal for all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up in bars, of which this is a

FAC-SIMILE.



The name and trade mark appear on each box and bar, and besides this, the words "Manufactured in United States" and "Patented June 3, 1890" are stamped on the under side of each bar.

Magnolia Metal is still selling at the same price it has always sold at—no advance.

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Sets of Carvers
Table Knives
Silverware

Dessert Sets
Fish Carvers
Game Carvers

Brass Kettles . . .
and Chafing Dishes

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RICE LEWIS & SON (LIMITED)
Toronto.

SAVAGE REPEATING RIFLE
.303 CAL.



Hammerless
Smokeless
Six-Shooter

New 1899 Model

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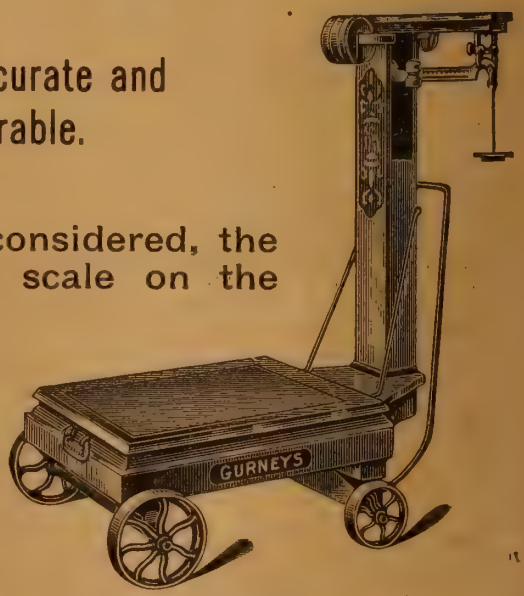
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Quality considered, the cheapest scale on the market.



A complete stock of Scales carried in Montreal by our Agent, WALTER GROSE.

THE GURNEY SCALE CO.

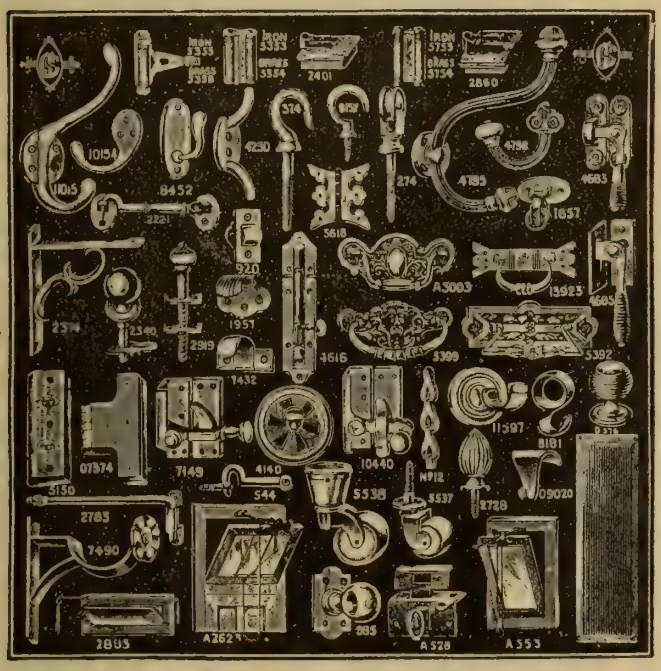
Hamilton, Ontario, Canada.

James Cartland & Son

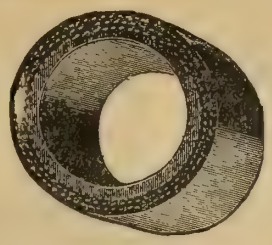
Manufacturers of every description of **Limited**

CABINET, BUILDERS', FURNISHING AND NAVAL BRASSFOUNDRY

BIRMINGHAM, ENGLAND.



London Showrooms: 57 Holborn Viaduct, E.C.



Hose made with Seamless Tube.
No seam to open.

A GARDEN HOSE TALK.

The public demand Garden Hose that will stand high pressures suddenly applied, and exposure to all weathers.

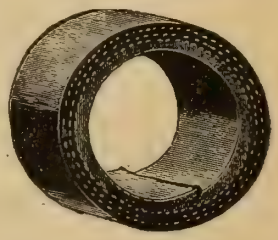
To satisfy these demands, strong duck well protected both inside and out is required.

Weights of duck differ with price of hose. The heavier the duck—all other things being equal—the stronger the hose. We aim to have our cheapest hose stand city pressure.

The inner tube of all qualities of our hose is made by our **PATENT SEAMLESS PROCESS.** With a seamless tube, drawn as is lead pipe, the entire inner circumference is equally strong. There is not a seam for the water to find its way through and thus reach the duck, and eventually cause a leak or leaks.

The cover of our Garden Hose is made to withstand the action of sun, wind, and water.

Our **PATENT SEAMLESS TUBE GARDEN HOSE** is strong and will withstand the action of water from within and weather from without, therefore it is reliable, and it will pay you to handle it. **No returns, No unpleasantness with customers.**

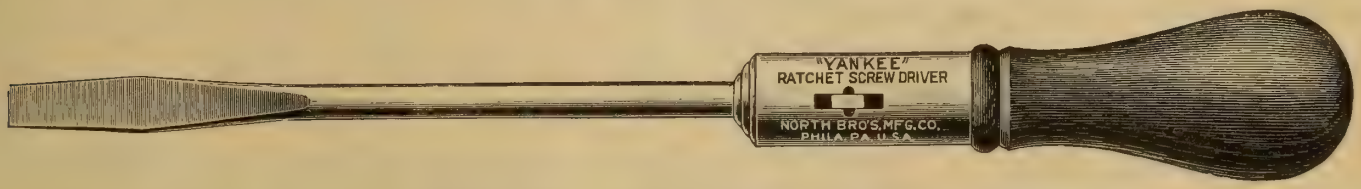


Hose with lapped or butted seam.
Liable to open where joined.

THE CANADIAN RUBBER CO.

MONTREAL. TORONTO. WINNIPEG.

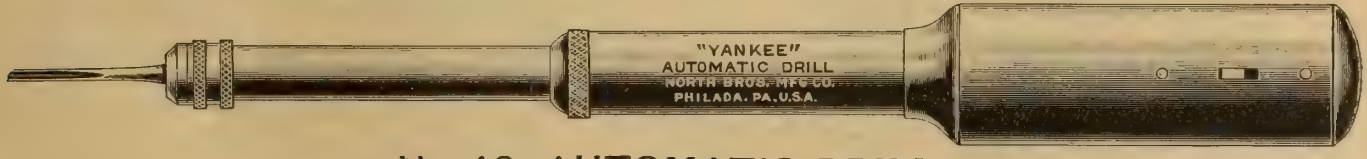
"YANKEE" TOOLS are sold by Leading Jobbers throughout the Dominion.



No. 10 RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch,



No. 30 SPIRAL-RATCHET SCREW DRIVER.



No 40 AUTOMATIC DRILL.

FREE A handsome lithographed and embossed Sign in colors, on tin, to dealers handling these tools. Separate sign for each tool. Write at once which sign is wanted and it will be mailed post paid.

SEND FOR "YANKEE" TOOL BOOK.

North Bros. Mfg. Co.

Philadelphia, Pa., U.S.A.

This is the most powerful Furnace of its class in the Market.

LITTLE OX Wood Furnaces

are made either Portable, as shown, or stationary for brick setting.

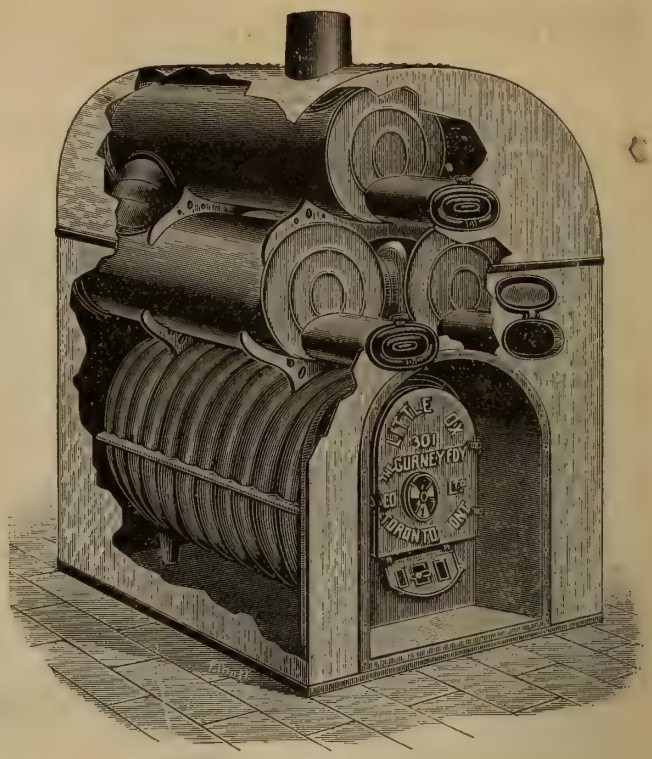
They have Double or Triple Return Flue Radiators, giving them an immense fire travel. They have been tested under the severest conditions, and never fail to give absolute satisfaction.

They are Smoke and Dust Proof; very easy to manage and regulate. Take 3 feet rough wood, and offer a capacity from 15,000 to 50,000 cubic feet.

You can't find better selling value.

Write us for Special Furnace Catalogue and Price List.

The GURNEY FOUNDRY CO., LIMITED,
TORONTO.



PORTABLE—with TRIPLE FLUE RADIATOR.

THE GURNEY-MASSEY CO., LIMITED, MONTREAL.

WINNIPEG AGENTS: 155 and 157 Lombard St. **VANCOUVER: C. A. GODSON, 151 Hastings St.**

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ALL KINDS AND FOR ALL PURPOSES.

Manila Rope	Tarred Hemp Rope	Lathyarn	Spunyarn
Sisal Rope	White Hemp Rope	Shingleyarn	Pulp Cord
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"FIRMUS" Transmission Rope from the finest quality Manila hemp obtainable. Orders will not be accepted for second quality or "mixed" goods.

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The Best is None too Good.

Syracuse Babbitt beats them all.

The largest machinery builders in Canada and United States use our Babbitt Metal.

Is this not sufficient proof of its superiority over other anti-friction metals.

If the largest users are satisfied with our Babbitt Metals, why should it not suit you?

We can furnish you with numbers of testimonials.

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PIG TIN
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Manufacturers of
BABBITT METALS
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and ALL WHITE METALS.

Syracuse Smelting Works, William Street, MONTREAL

Hardwood CHARCOAL in Bulk or Sacks.
WOOD ALCOHOL equalling Methylated Spirits as a solvent.

Manufactured only by ...
THE STANDARD CHEMICAL CO., Limited
Factories { Fenelon Falls. Deseronto.
Gooderham Building, TORONTO

Galvanized Sheets . .

"Gordon Crown" and "Apollo."

Prices Quoted from Stock or for Importation.

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English House:
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154 Fenchurch Street, London, E.C.

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Ontario Nut Works, Paris

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Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon

GEORGE TUCK & CO.

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Pipe and Boiler Coverings, Cotton Waste, Oils, Oakum, etc., and General Engineers' Supplies.

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KNOX HENRY, Heavy Hardware and Metal Broker

Room 220½ Board of Trade, MONTREAL.

SPECIALTIES — C Brand Horse Nails — Canada Horse Nail Co.

BOLTS — Tire and Stove Rivets of all kinds — Chalcraft Screw Co.

BRASS GOODS — Gunn Castor Co., Limited, Birmingham, Eng.

SEND for specimen copy of Phillips' Monthly Machinery Register, containing over 5,000 entries of new and second-hand machinery of every description. The oldest established and most successful medium in the world. Established 25 years for the purpose of introducing those who have machinery for sale, to those who wish to buy, has a circulation of about 50,000 copies per annum, all over the world, and is used for continual reference by a large number of firms. It is consequently a most valuable advertising medium for all engineers and manufacturers. Subscription, 6s. per annum, price per copy, 6d. Sole Proprietor, CHAS. D. PHILLIPS, M.I.M.E., Newport, Mon., England. Telegraphic address "Machinery, Newport, Mon."

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LEADING WHOLESALE HARDWARE HOUSES

in Montreal to-day is

SEYBOLD, SON & CO.,

Established 30 years.

Carrying a complete assortment of HARDWARE, from a Needle to an Anchor.

COW TIES

Greening's Patent

We make the following :

Open Ring, six sizes.
Small Closed Ring, six sizes.
Large Closed Ring, six sizes.
Three Chain, six sizes.
Greening's Special Tie with Stall Fixtures, five sizes.

Our ties have stood the test for years and are undoubtedly the best in the market. Send for new price list. For sale by all jobbers.

The B. GREENING WIRE CO., Limited

HAMILTON and MONTREAL.

DAVID MAXWELL & SONS

ST. MARYS, ONT., CANADA



Steel Frame.

"MAXWELL FAVORITE CHURN"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive.

LAWN MOWERS.

High and Low Wheels, from 12-in. to 20-in. widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate

WHEELBARROWS.

In Four different sizes.

If your Wholesale House does not offer you these articles

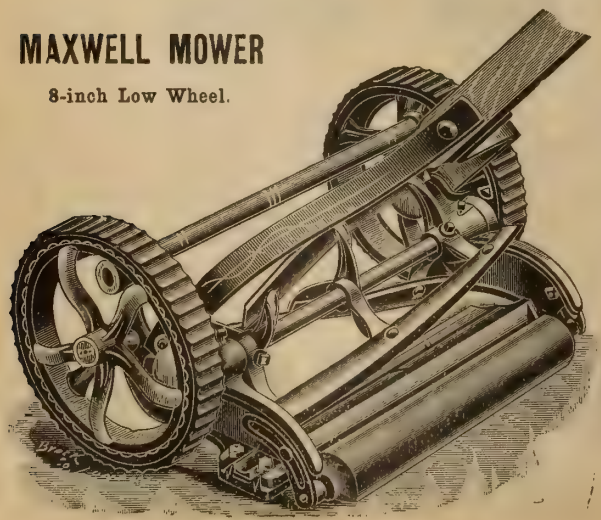
SEND DIRECT TO US.



Wood Frame.

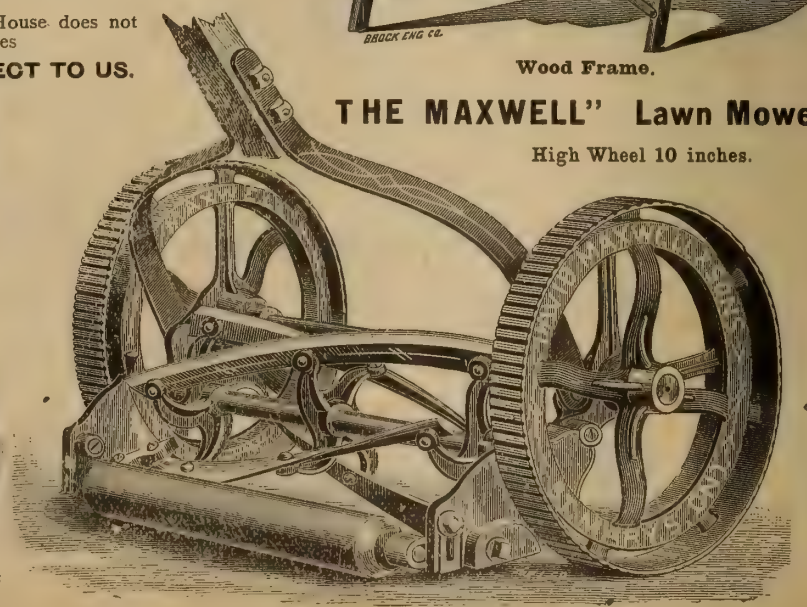
MAXWELL MOWER

8-inch Low Wheel.



THE MAXWELL" Lawn Mower

High Wheel 10 inches.



WOOD, VALLANCE & CO.,

..HARDWARE MERCHANTS..

SKATES

...AND...

CUTLERY.

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Branch House: George D. Wood & Co., Winnipeg, Man.
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HAMILTON, ONT.

GEO. D. WOOD & CO.,

Iron Merchants

Importers of British and Foreign

HARDWARE.

WINNIPEG, CANADA.

EDDY'S WRAPPING PAPERS

possess a peculiar toughness adapting them for the HARDWARE TRADE.

The long fibre we make them of is responsible for this.

SEND FOR A SAMPLE ORDER

PRINTED or UNPRINTED.

The E. B. EDDY CO., Limited

Hull, Montreal, Toronto, Quebec, Hamilton, Kingston, St. John, Halifax, Winnipeg, Victoria, Vancouver, St. John's, Nfld.

About "C" Horse-Nails.

We ask your consideration of the following reasons for our making the claim that the "C" brand horse-nails made by our company since 1865 is the best for you to buy.

First :—The material of which they are made. It is the best obtainable—Swedish charcoal steel nail rods—made especially for our work, and imported direct by us from Sweden. We unhesitatingly affirm, that no better material is used by any manufacturer of horse-nails in the world for this purpose.

Second :—The process of manufacture. We forge the nails to the desired pattern from the nail rods while they are hot, and therefore in a malleable condition. Our process thoroughly hammers and consolidates the nail, making it tough and enduring : no other method will do this as satisfactorily. Our methods for polishing, rolling, pointing and finishing the nails differ from those used elsewhere in Canada, and we are satisfied, with much better results.

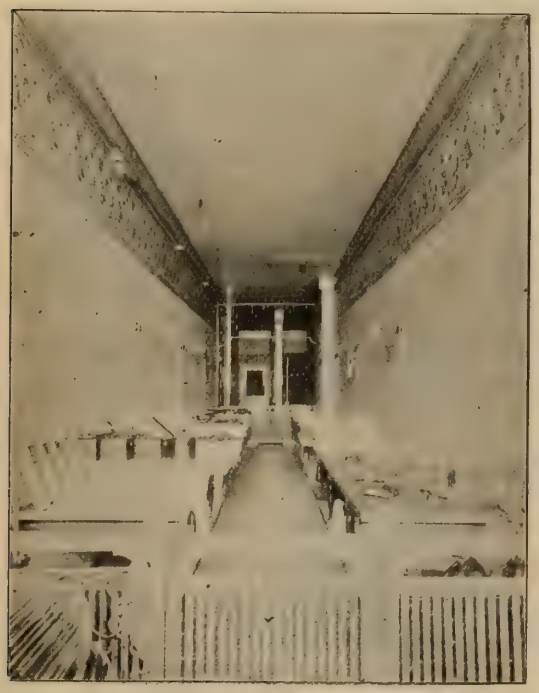
Third :—When the nails are finished, they are subject to a final careful examination and sorting by hand, so as to prevent a single imperfect nail being found in a box bearing our "C" brand.

Fourth :—We guarantee to every purchaser, that each box of horse-nails bearing our name and trade mark (the letter "C") is perfect and ready for immediate use. They may be returned at our expense if found otherwise.

Any dealer who wishes to secure the farrier trade, can only do so by selling the best horse-nails : The "C" brand will be found the best They are the standard nails of Canada, and have been thoroughly tested by thousands of farriers from the Atlantic to the Pacific for the past thirty-four years.

We ask those who wish to favour us with their orders, through any wholesale hardware merchant, to be particular and specify for the "C" brand made by the

CANADA HORSE NAIL COMPANY
MONTREAL



Luxfer Prisms successfully lighting a store 100 feet long.



This is the best that ordinary glass could do before.

There Need Be No DOUBT

If You Buy, You Save Money.

IF YOU WANT MORE DAYLIGHT, YOU WANT LUXFER PRISMS.

WE MAKE VISITORS WELCOME, AND SOLICIT LETTERS OF ENQUIRY.

THE LUXFER PRISM CO., Limited

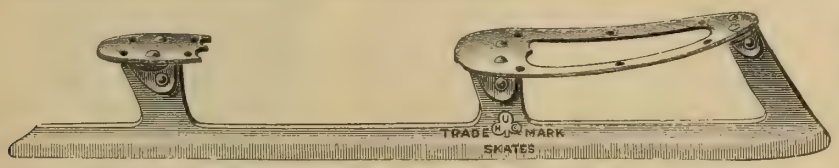
98-100 KING STREET WEST, TORONTO

UNION HOCKEY SKATES

These goods will be found to be beautiful in design, finish and workmanship. The points of excellence are: **STRENGTH,** which is guaranteed. **WEIGHT,** which is light. **PROPER LINES** to fit sole of boot. **CORRECT EDGE** of blade, which insures power and speed. **HEIGHT and HANG** for ease of stroke and cutting corners.



Plain Runner, Straight. Also Puck Stopper.

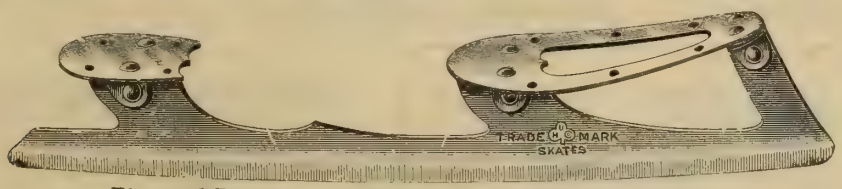


Flanged Runner. Also Puck Stopper.

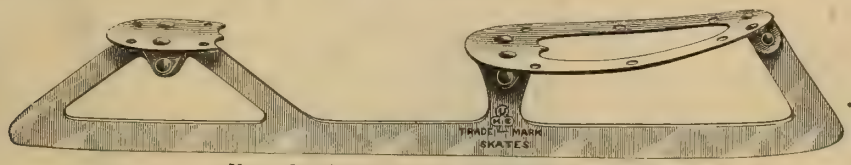
DOMINION MFG. & SKATE CO.

MONTREAL
40 Nazareth Street.

THESE PATTERNS MADE IN ALL VARIETIES OF FINISH AND QUALITY



Flanged Runner, Curved or Rocker Blade, for Ladies.



New Model Hockey, Arched Heel.

THE LARGEST AND MOST COMPLETE LINE ON THE MARKET



New Model Waltzing, for Men and Women.

Made in Canada.

UNION HARDWARE CO.

New York Office:
95 Chambers Street.

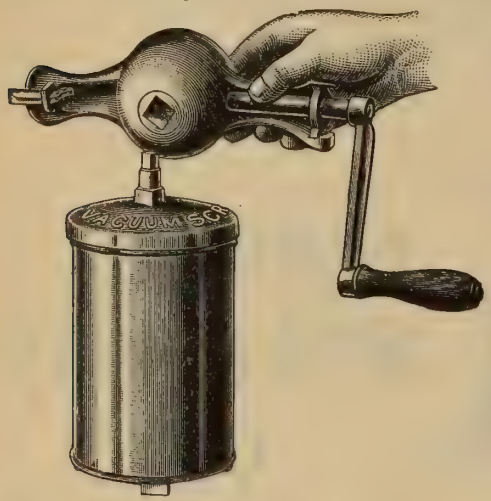
TORRINGTON, CONN., U.S.A.

Dealers Doubled their Dollars

by adopting the proposition we made them last year. We approached them then with what we *thought* would win out. **This Year** we ask you to take advantage of what *has proved* itself a winner. We have letters from dealers saying it increased their freezer business last year 200 per cent. With the first order for 1 dozen Peerless Iceland Freezers we advertise them so as to send freezer customers to your store—they will buy other goods as well as freezers. Write us. The particulars will interest you.

Peerless Iceland Freezers

Sell Easily. **Ice Cream in 3 Minutes.** **Satisfy Perfectly.**



(We have a record of one minute and forty-five seconds, but above allowance is for inexperienced people).

No complicated machinery to get out of order.

Gearing enclosed both top and bottom.

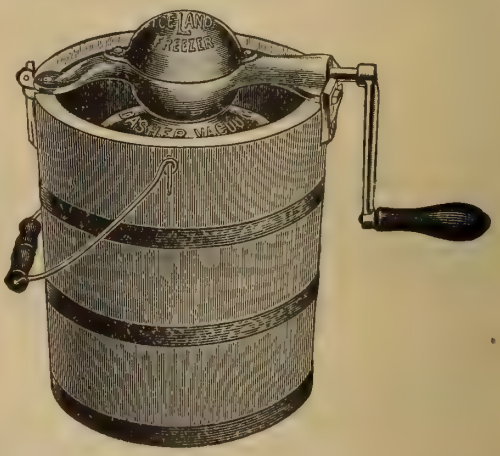
No cogs on can top to catch ice and salt.

Metal parts all coated with pure block tin.

The Freezing Freezer.

W. G. Putman had a big crowd all day yesterday, watching the man making ice cream in two and a half minutes. This was done with the Peerless Iceland Freezer, and the callers at the store were served with the cream during the day. The freezer is substantially built and is the best on the market. Just to show what it could do one batch of cream was frozen in one and three quarter minutes. It is absolutely salt water proof.—*Peoria Herald.*

all and one gus the was linc bas on Ic as a had



DANA & CO., Cincinnati, O., U. S. A.
Department "R."



The Peerless Ice Chipper Made from one solid piece of steel heavily coated with tin. Chips ice properly and rapidly. Best tool made for the purpose. Saves time and ice.

The Round Reacting Washer.

A STRICTLY FIRST-CLASS MACHINE AT A REASONABLE PRICE

Most Efficient

A Quick Seller



No other machine so easily operated.

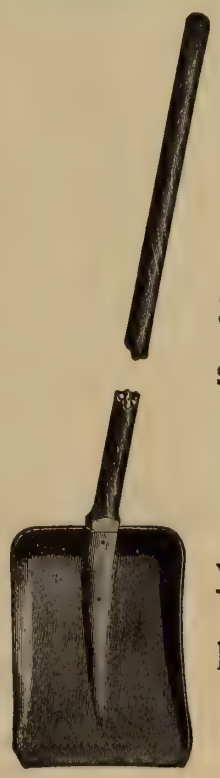
Closed in—keeping suds hot and preventing escape of vapor into the room.

We commend these machines to the trade.

SEND FOR PRICES AND CIRCULARS.

The Dowswell Mfg. Co., Limited, Hamilton, Ont.

ARCTIC SNOW SHOVELS.



Strong, Light, Durable.

Suitable for snow, furnace, stable and general use.

If your stock is low and you want your order filled promptly, send it to us.

KEMP MANUFACTURING CO., TORONTO, CANADA

HARDWARE AND METAL

Vol. XI. MONTREAL AND TORONTO, DECEMBER 16, 1899. No. 50

President,
JOHN BAYNE MacLEAN,
Montreal.

THE MacLEAN PUBLISHING CO.

Limited.

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

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Subscription Canada, $2.00 Great Britain, $3.00

Published every Saturday.

Cable Address { Adscript, London
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WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

THE SLUMP IN TIN.

THE heavy feeling in ingot tin that has prevailed of late culminated this week in a regular panic in London, causing the failure of two large speculators in the metal. Leading authorities also express the opinion that the bottom has not been reached by any means yet, until a level is reached at which either consumption will again outstrip production or speculation be attracted to the temptations for another bull campaign.

No one, however, is prophet enough to state what that level will be, but the opinion is expressed that at £100 in London, the equivalent of about 22c. in New York, tin ought not to be a bad purchase, unless the position of the article becomes decidedly worse.

Discussing the statistical position at the end of November, W. I. Russell Co.'s circular says :

"The statistics of tin for the end of November must be regarded as unfavorable. The increase in the London spot stocks and in the quantity afloat for that market, the falling off in consumption, and consequent net increase in the total visible supply, have converted into facts the expectations of four weeks ago. That the situation will become worse by the end of December is the belief of those best qualified to judge. Certainly the consumption in this country will further decrease and will surely not exceed 1,500 tons for the month and may fall several hundred tons below that quantity. New supplies from the Straits are expected to be larger than for some months past.

"Aside from these conditions, the increasing stringency of money in London and the general indisposition to undertake new operations in the last month of the year, makes a lower market very probable.

"As arrivals of tin here during December will exceed consumption and will be fairly well distributed, the chances of any 'squeeze' in spot tin are remote."

THE CHRISTMAS HARDWARE.

The issue of HARDWARE AND METAL for next week will be used by many advertisers as a medium for conveying thanks to their customers for the closing year's business.

Copy for any special announcements or change in regular advertisements must be in on December 20 to insure insertion.

A GAIN OF $11,000,000.

A RAILWAY, like a bank, may be badly managed and show the consequent results, but, taken as a rule, the prosperity of a country can be pretty accurately gauged by the earnings of the railway companies which operate within its borders.

That Canada is enjoying a measure of prosperity beyond what she ever enjoyed is generally recognized. And one of the concurrent evidences of this is the earnings of the railways.

Sir William Van Horne stated a few days ago that the gross earnings of the Canadian Pacific railway had increased from a little over $18,000,000 in 1895 to nearly $30,000,000 in 1899, a gain of over 57 per cent. in four years.

This is a remarkable showing, and is the kind of data we want in order to give the outside world practical evidence of the satisfactory commercial conditions obtaining in the Dominion.

TRAVELERS' CONFERENCES.

The more we consider the question in regard to the annual conferences of the travelers of each manufacturing and wholesale concern, the more convinced are we of its importance.

In going through the country, the traveler gets a grasp of affairs that the principal at headquarters cannot obtain. And each traveler has a different experience. When they get together and hold an experience meeting, that which they have seen or heard is revealed, not only to each other, but to the principals as well.

The benefits to be derived from such conferences cannot be estimated.

AGAIN REACHING AFTER WEST INDIAN TRADE.

IT is announced that Mr. W. G. Parmalee, Deputy Minister of Trade and Commerce, is to visit the West Indies, with a view to ascertaining ways and means of developing trade between Canada and that part of the British Empire.

Everyone who has made even a cursory study of the matter must realize that this particular trade stands in need of a great deal of developing. It is not that the Government has done nothing in this direction. Successive Governments since Confederation have made more or less effort to develop this trade by sending a commissioner to investigate, as the present Administration is now doing.

The last commissioner to visit the West Indies was Hon. Geo. E. Foster, Finance Minister in the Administration of Sir John A. Macdonald. That was something like nine years ago. About the same time, Mr. Adam Brown was appointed commissioner to represent Canada at the Jamaican Exhibition. A couple of years ago, the Canadian Pacific Railway also sent a commissioner to see what could be done in the way of developing trade with the West Indies.

But, after all the commissioners that have been sent, and after all the pamphlets and articles that have been written, trade between Canada and the West Indies has decreased, rather than increased.

The aggregate trade was, in 1898, over $2,500,000 less than it was in 1873—the exports $1,239,413 less, and the imports nearly $1,100,000 less. It will, therefore, be seen that the trade is an unsatisfactory one, whichever way taken.

The following table shows the exports to and the imports from the West Indies during the ten years ending June 30, 1898 :

	Exports.	Imports.
1888	$2,601,486	$3,268,663
1889	2,759,455	3 378,654
1890	2,719,141	3,089,048
1891	3,122,770	3,238,156
1892	3.546,559	4,092,287
1893	3,145,708	4,244,669
1894	3,443,761	3,677,411
1895	3,725,4.6	4,794,020
1896	2,810,817	1 896,426
1897	2,643,360	1,678,870
1898	2,749,080	1,080,266

In the term West Indies is included the Spanish as well as the British West Indies.

The following table give the value of the principal articles exported to the British West Indies during the five fiscal years ending June 30, 1898. The figures are with few exceptions for quantities :

	1894.	1895.	1896.	1897.	1898.
Ale, beer and porter ....gals.	35,470	20,109	480	6,217	5,453
Horned cattle ....No.	32	39	40	56	125
Horses ....No.	415	453	264	163	187
Sheep ....No.	1,371	811	860	443	4,327
Beans ....bush.	206	103	1,375	5,794	5,949
Oats....bush.	333,887	254,264	180,887	224,275	160,846
Peas, whole ....bush.	16 470	22,561	18,175	6,695	30,575
Peas, split....bush.	82,210	62,859	107,130	59,114	54,002
Flour....bbls.	7,856	3,561	335	199	15,288
Carriages, bicycles, etc....$	13,501	11,378	7,890	11,711	5,496
Coal ....tons	5,602	7,547	5,687	5,081	8,392
Cordage, twine, rope, etc....$	4,064	954	19,559	1,739	1,183
Cotton, and manufactures of ....$	1,250	3,614	2,129	264	846
Drugs, dyes, etc....$	16,152	22,226	20,112	24,964	16,587
Codfish, etc....cwt.	207,757	234,078	228,022	215,638	205,603
Mackerel, pickled....bbls.	5,703	1,939	732	2,208	1,653
Herring, pickled ....bbls.	39,230	41,180	46,725	40,535	28 499
Herring, smoked ....lb.	765,991	750,482	771,274	508,206	423,149
Sea fish, pickled ....bbis.	7,900	10,266	6,451	7,333	10,344
Salmon, pickled ....bbls	991	830	1,341	1,118	784
Hay ....tons	745	1,245	733	1,001	1,379
Boots and shoes....$	14,740	13,071	15,706	13,038	14,931
Butter ....lb.	68,305	62,256	38,058	69,233	145,602
Cheese ....lb.	97,149	104,462	87,392	73,627	133,722
Bacon and hams ....lb.	11,772	5,101	10,888	6,758	13,218
Pork ....lb.	93,200	93,604	184,800	102,250	237,379
Sugar ....lb.	396,164	259,570	25,905	237,568	61 681
Tobacco ....lb.	14,800	57,518	15,508	21,496	7,648
Potatoes....bush.	110,603	134,801	150,819	108,295	115 044
Planks and boards....M. ft.	17,591	10,810	8,264	10,720	9,160
Shingles ....M.	13,316	10,989	5,361	10,925	12,865
Shooks, box and other....$	15,473	16,500	19,636	19,172	8,235
Household furniture....$	3,701	1,708	3,775	1,170	5,483
All other wood and manufactures of....$	14,119	9,810	9,792	8,413	8,206

While a Government commissioner can do much toward obtaining information as to how trade may be developed, provided he be possessed of business commonsense, his mission will be abortive unless the business men of Canada are aggressive in trying to secure the markets which he has visited. The trouble with the business men of Canada in the past is that they have neither been as aggressive or as wise as they might or should have been in regard to the West Indian or any other foreign trade.

A COUPON SCHEME.

AN ingenious scheme is now being operated by a cooperative supply house in London, England. This company issues coupons with a face value of 1s. each, but good for any article in their establishment up to the value of 21s.

In order to redeem this coupon, and secure an article, the holder is required to send in 4s. for which he receives 4 other coupons which he is required to dispose of to friends who pay him 1s. each.

When these friends take these coupons to the company, each one is required to undertake the sale of another 4 tickets, and so the ball goes rolling. When the first subscriber's tickets have all been returned, he is entitled to choose his article, but if three of his friends fall into the scheme, and the fourth neglects to do his part, of course, the subscriber number 1 gets nothing for his trouble, except the pleasure of parting with 1s., and writing several notes to friends.

It is reported that this scheme is of "American" origin, but whether or no, it certainly is a smart trick. It would be interesting to know exactly what in actual cash the company receives in return for each 21s. article which it hands out.

FAILURE AND SUCCESS.

THERE is no natural law which declares that a man should fail in business; but there is a natural law which, if a man disobeys, he shall fail.

There is a natural law which declares, (1) that a man starting into business should have knowledge of the same, (2) that he should have reasonable capital, (3) that he should devote proper time and attention to his business, (4) that he should be progressive—keep up with the times and not allow the times to outstrip him.

Men, in failing, often blame their luck. There is no luck in business. Success and failure are the effect of certain causes. Wherever there is an effect there is a cause. Luck has neither cause nor existence. It is a myth.

THE IRON TRADE OUTLOOK.

IF recent transactions in pig iron in Canada are a reliable criterion, the trade look for the maintainence of the present high values on iron material for some time to come. This, at least, is the only construction to place upon the willingness that has been shown by buyers to contract for next summer's supplies, at the prices now ruling.

For instance, it is understood that contracts have been closed by the Hamilton people for supplies of No. 1 pig for delivery next June and July, and, though the exact figure of negotiation has been kept private, there are good reasons for believing that the trades have been made on the bases of present prices.

In addition to this business in domestic pig, other contracts have been put through for Scotch pig iron for next spring delivery at current rates on spot, which means $26 to $26.50 for No. 1 Summerlee. It is also understood that some holders of Scotch pig here have refused bids of the same price for prompt and near-by delivery, holding out for $27.

The stock in store at Montreal is confined to a moderate quantity of No. 1 Summerlee Scotch iron, estimated to be just about sufficient to fill current wants during the next two months. The only inference to draw from all this is that buyers of more finished material are apt to be disappointed if they are figuring on a reaction in value, for, with pig iron costing as much as it is, such a development is extremely unlikely.

In contrast to this local sentiment, however, it is worthy of note that the feeling across the lines has been less buoyant for some weeks back, and some people contend that, though quotations are nominally unchanged, sales have actually transpired a little under quoted rates, amounting to about 8,000 tons for delivery over the first four months of 1900. On the other hand, no one seems prepared to predict any heavy decline in values, and believers in the stability of existing values assert that buyers in the United States, when they do go in to buy in ernest, will have to pay present and possibly higher rates.

In Great Britain, according to advices, the market is strong and the outlook excellent, and stocks are now very low. In fact, the scarcity of raw material is said to be seriously hampering makers at Sheffield in all branches of the iron and steel trade.

To sum up, time only will develop the actual status, as no great activity need be expected now until after the turn of the year.

A comparison of last year's metal prices with those now ruling is interesting in the present connection :

BRITISH PRICES.

	1899. £. s. d.	1898. £. s. d.
Scotch Warrants	3 8 7	2 9 1
Middlesboro No. 3	3 8 3	2 4 9
Lead, Soft Spanish	17 5 0	13 5 0
Spelter, G.M.B.	20 0 0	24 0 0
Straits Tin, Spot	124 5 0	82 5 0
Copper, G.M.B.	73 7 6	55 0 0

AMERICAN PRICES.

	1899.	1898.
Pig Iron Warrants	$16 00	$ 7 30
No. 1 Foundry, Pittsburg	23 00	10 50
Bessemer Pig, "	24 50	10 40
Steel Billets, "	36 25	15 50
Sheet Steel Bars, "	35 75	16 50
Lead, Desilverized	4 60	3 60
Spelter, Western	4 65	5 35
Straits Tin, Spot	27 50	18 25
Copper, Lake Ingot	17 25	12 85
Tin Plates, Coke, 100 lbs	4 65	2 80
Antimony, Cookson's	11 00	9 62½
Antimony, Hallett's	9 85	8 85

The price of pig iron in Canada has appreciated approximately as much as it has in the United States.

HORSE BLANKETS FIRMER.

Higher prices are likely to rule on horse blankets, the Canadian manufacturers having notified the jobbers of the withdrawal of quotations.

Dealers who may have to carry stock over till next season are not likely to feel much regret thereat.

FILES AND THE TARIFF.

WHOLESALE hardwaremen in Canada have what they conceive to be a grievance against the Customs Department.

Prior to the recent advances in files—there were at least two of them—many of the leading hardwaremen placed orders with the manufacturers in the United States, which anticipated to a more or less extent their immediate requirements. This is a common thing to do in any line of hardware, particularly when an advance in the market is anticipated.

Shipments of the files thus bought are still being made, but the Customs authorities are appraising them for duty at the market value obtaining to-day, which is at least 25 per cent. above the figures which ruled when the files were ordered.

The Customs authorities are taking their position on the Customs Act, which stipulates that an article imported shall be assessed for duty at the market price ruling in the country of production at the time of shipment.

The matter is being taken up by the Wholesale Association, and it will be interesting to know with what result.

ADVANCE IN CANADA PLATES.

A DECIDEDLY stronger feeling has developed in Canada plates, and our quotations are 25c. higher than they were a week ago.

The direct cause of the advance is the unusually heavy demand that is being experienced.

There is evidently a feeling among buyers that the tendency of prices is upward, rather than downward, hence the freedom with which purchases are being made.

Besides the orders that are being booked for importation in the spring, the wholesale houses report that a surprisingly large number of orders have been placed for shipment from stock January 1, next. Some buyers appear to have placed orders in this latter way for enough Canada plates to carry them through the summer months.

The effect of this free buying will undoubtedly be to clean up present stocks, which the jobbers are apparently not very desirous of having done, as it means that, in replacing them, they will have to do so at much higher prices.

INCREASE IN COST OF CUTLERY.

Further appreciation has taken place in certain lines of Sheffield cutlery.

What is generally known as "garret" goods have been advanced 10 per cent. One Sheffield manufacturer, in writing to a Toronto house, says : "We beg to advise you that, owing to the very great advance in the price of material and labor, we have been compelled to withdraw our prices of the cheap grade of cutlery, and can only accept orders at current rates."

Revised prices, showing an advance of 10 per cent., have also been issued by the Sheffield manufacturers, on ivory handled table and desert knives, carvers and steels.

The jobbers in Canada are marking up their figures in sympathy with the advance in manufacturers' prices.

ENGLISH SQUARES ARE DEARER.

Jobbers in Canada have been notified of an advance in the price of iron squares of English manufacture. In consequence of this jobbers have marked their figures up, the ruling price for No. 493 being $2.40 to $2.55 and for No. 494, $3.25 to $3.40.

SOME IDEAS AND IMPRESSIONS.

Gathered During a Holiday Trip to New York.

(Continued.)

ONE of the most pleasant recollections of my stay in New York was with the Sphinx Club at its regular monthly dinner in the Waldorf-Astoria. I went upon the insistence of Mr. F. James Gibson, secretary of the club. The club is composed of advertising men and newspaper publishers. Why the club was given the name it bears, I tried then and have tried since, but ineffectually, to fathom. I cast my eye over each member and not one of them was cold or stiff enough, or even dumb enough to be even a forty-second cousin to a sphinx.

On the contrary, each member was as warm-hearted and as genial as could be desired, and, tell it not in Gath, as talkative as could be desired. Everybody in Canada who knows Mr. F. James Gibson knows that he is no cold and enigmatic sphinx. Well, he is a good type of the average member of the Sphinx Club.

The subject for discussion after the tables had been cleared and long clay pipes brought out, was "The Metropolitan Journals as Advertising Mediums." Mr. Ogden, who has charge of the advertising for John Wanamaker's big departmental store, took up the question. Mr. Ogden's conclusions were that the advertiser in the metropolitan press—which is, of course, the New York press—did not know what he was buying. In the lengthy discussion that followed some said "yea" and some said "nay" to Mr. Ogden's conclusions. Those who said "nay" were largely from the ranks of the business managers of the metropolitan dailies, who contended that it was (1) no part of the publisher's duties to exhibit his circulation to advertisers, and (2) that quality in circulation was of more importance than quantity. The Sphinx Club is a live institution, and, from what I could judge, has good reason for its being.

One sees on a first visit to New York a good many things which he did not expect to see. I, at any rate, saw a good many things I did not expect to see. One thing I saw which I never dreamed of seeing was—a sea serpent. I was not mistaken; nor was it an optical delusion. Neither was I under "the influence," for I belong to the hot-water brigade. "Mr. Petrie can tell you the same," as Mickey Free used to sing. I cannot say it was a real live serpent, because it wasn't. And, while I am not like George Washington, who could not tell a lie, yet I will not tell one. What I really saw was the bones of one, as they were gathered up from a chalk bed in Kansas and transferred to a plaster of paris bed and hung in the Museum of Natural History. The tip of the tail of the reptile was missing, but, allowing 2 feet 6 inches for the missing tip, the total length of the serpent was estimated at 30 feet 4 inches. The skull measured 4 feet, the lower jaw 46 inches. In the days of the flesh it must have been a bad-looking customer; and, if there were any sailors in the prehistoric days it roamed the seas, the hair of many of them must have stood on end. Perhaps it is the ghost of this very serpent that has frightened some of our modern sailors.

While upon ma1-scaring animals, I am reminded of another hideous reptile or fish which is exhibited in the museum. I have reference to a specimen of the octopus or devil fish. Of the two, I think I would rather meet the sea serpent than the devil fish on the high seas. This reptile was suspended from the ceiling in one of the rooms, and covered, I should think, an area of about 18 feet square. Standing underneath it and looking up, one could imagine himself beneath a gigantic, many-colored umbrella, the ribs of which protruded in a zig zag way many yards beyond the covering. The eyes were on top of the "umbrella." The fish is unlike any print of the devil I ever saw, but I could not help thinking that it was well-named the devil fish.

Suspended from the ceiling, not far from the devil fish, was a giant squid, a species to be found near Newfoundland. To me it was almost as interesting as anything I had seen in the museum in the fish line. It was, I should judge, about 50 feet long, and fully two-thirds of its length consisted of two immense feelers, flattened like tongs near the ends. How the squid manipulated these enormous feelers is past my understanding. Fringing around the mouth was another lot of feelers about three feet in length, looking much like the petals of some gigantic flower. W.L.E.

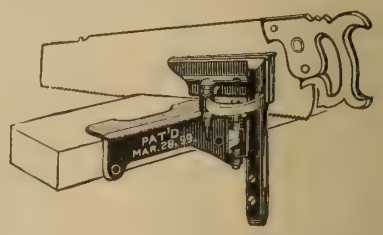
(To be continued.)

THE CANE ESTATE.

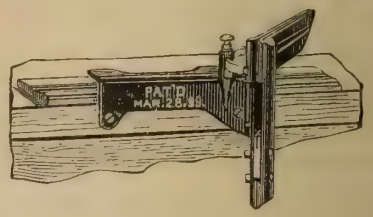
The estate of the late William Cane, manufacturer, of Newmarket, whose will has just been entered for probate, amounts to $75,725, and consists of stock and real property. The widow receives the use of the homestead in Newmarket and an annuity of $640. The two daughters are each given 20 shares in The Cane Manufacturing Co. E. S. Cane, a son, gets a parcel of real estate in Newmarket; C. E. Cane, another son, 40 shares in the company. The remaining 440 shares are divided equally between three sons, H.S., J. E., and E. S. Cane; $2,200 is bequeathed to Frances E. Cane, granddaughter. The proceeds of the real estate are directed to be applied to the mortgage account of the company. George Cane had already been provided for.

ADJUSTABLE MITRE BOX.

HARDWARE AND METAL gives below cuts of the "Seavey" adjustable mitre box and saw guide that Rice Lewis & Son, Limited, Toronto, are now handling. The "Seavey" is a compact, light, simple and



perfect tool, designed to supersede the heavy and bulky mitre boxes now on the market. It is the only mitre box made to be used on top of the material. It is accurate, easily adjusted, and the price is within the reach of all. Just the thing to take upon staging for clap-boarding and



general house furnishing, as the screw holes in the fan of the box make it possible to fasten to a box or bench, so as to use same as any mitre box wherever this is desirable.

The piece cut out of the top of the arm enables the workman to hold the smallest piece of moulding.

WIRE NAILS
TACKS
WIRE

Prompt Shipments

The ONTARIO TACK CO
Limited
HAMILTON, ONT.

CANADIAN FREIGHT CHARGES.

ALTHOUGH it is not yet possible to gauge the effect of the Canadian preferential tariff upon the trade between the United Kingdom and the Dominion for a sufficiently long period to afford any data of value, attention may be drawn to a fact which is largely responsible for the diversion of Canadian trade from the Mother Country. No matter what the Canadian Legislature may do to foster trade with Britain by means of preferential duties, its efforts are likely to remain fruitless so long as the anomaly to which we are about to refer continues.

The commercial centre of Canada is Montreal, which is situated at the head of the St. Lawrence waterway in the centre of the tract of country covered by the populous Provinces of Quebec and Ontario. It is the focus for four fifths of the trade of the whole country. The river is closed for six months in the year, when all goods entering from Europe have to be disembarked at one or other of the Atlantic ports and conveyed about 1,000 miles by rail.

This land-haulage costs money and means increased rates, and if the increase were uniform and in reason no one would have cause for complaint. It is with the absurdly high rates charged that we quarrel. The summer rate on tin and Canada plate is 10s., and the winter rate 16s., an increase of 6s., which is probably a fair price for the extra expenditure entailed. Wire is 5s. in summer, but in winter it stands at the appalling figure of 23s. 9d., a difference of 18s. 9d. per ton. Is it surprising that the American wire monopoly, which managed to prevent Canadian buyers from purchasing wire before the close of navigation, are now reaping a golden harvest in Canada? The summer rates for pig lead and ingot tin are 5s. and 12s. 6d. respectively. Why this difference? The nature of the two articles from a carrier's point of view is similar. To the "man in the street" it would seem that to carry and handle ingot tin would be less expensive than to transport such goods as lead pipe and sheet lead, chain and oil, yet the last named article is carried at the same price, and the other three at 20 per cent. less than ingot tin. On account of this high freight, tin of English origin is bought by Canadian consumers from New York merchants in bond; but in many cases even the consolation of supplying our goods by a roundabout way is denied us.

Halifax, Nova Scotia, is several hundred miles nearer Liverpool than is Montreal, yet the summer rate of galvanized iron to the former port is 15s., compared to a 5s. rate to the latter. In wire and pig lead, the same figures prevail to both places. We could cite many other instances to show the iniquitous effects of the present arbitrary rule of the lords of the ocean highways. An examination of the charges for wire netting reveals a state of matters absolutely ridiculous. The rate from Liverpool to Halifax is 15s., the same figure as for wire, but the rate from Liverpool to Montreal is 25s., five times the scheduled figure for wire between the same ports. All goods from Liverpool to Toronto via the St. Lawrence are disembarked at Montreal, and are conveyed further by rail or by lake steamers. Yet, in the case of wire netting, the longer distance enjoys a freight rate of 1s. less than the nearer point. As the natural outcome of the circumstances above mentioned, British manufacturers are able successfully to compete in netting in the Maritime Provinces, but, in the centre of the Dominion, where the chief consumption is found, they sell little or none.

In galvanized buckets, the position is similar. The rate to Montreal was 6d. per bundle in summer and 9d. in winter. This was some time ago raised to 9d. in summer, so that the rate is the same all the year round, notwithstanding that at some periods about 900 miles of land-haulage is required. The extra 3d. was, in this case, just sufficient to turn the market to our competitors, so that, while British buckets are still sent to Nova Scotia and New Brunswick, few find their way from us to the central Provinces.

A plentiful crop of similar anomalies can be raised by simply digging a little way into the freight rates of shipping companies. In fact, British companies, who might be expected to grasp the right hand of commercial fellowship extended to them by Canada, are more inclined to abuse the powers which accident has given them, and tax the concessions so spontaneously offered. —Ironmonger, London, Eng.

WILL LOCATE IN HAMILTON.

The National Cycle and Automobile Co., Limited, has decided to locate in Hamilton. A three-storey factory, with a frontage of 850 feet, and to cost $25,000, will be erected by Hamiiton business men, and rented to the company at $600 per year. This and cheap power were the inducements offered. The company have agreed to employ 300 men all the year around, but expect to employ more than double that number most of the year. All the exporting of the company to Britain and her colonies will be done from the Hamilton works, instead of, as formerly, from American works. The company will also enter into the manufacture of automobiles for both Canadian and foreign trade.

Big Paint Business

comes with a Sherwin-Williams agency. Thousands of dealers in North America can testify to this fact.

We work with our dealers constantly along big business lines. Our goods are of the quality that brings business and keeps it. Our advertising is the best and most effective in the paint world. All our methods make for growth and increased sales to every dealer on our books.

Our interest in a dealer does not end when we've sold him a bill of goods. We are at his service every day in the year, aiding him in getting the paint to the consumer.

Send for our new booklet, "Do You Sell Paint?"

THE SHERWIN-WILLIAMS CO.
PAINT AND VARNISH MAKERS.

Canadian Division:
21 St. Antoine St.,
Montreal.

CLEVELAND. BOSTON.
CHICAGO. TORONTO.
NEW YORK. SAN FRANCISCO.
MONTREAL. KANSAS CITY.

TRADE NEWS.

FIRE did $2,000 damage to The Owen Sound Iron Works on Tuesday. Most of the firm's patterns were destroyed.

Dunnville, Ont., has been incorporated as a town.

Geo. Ratz is starting to manufacture windmills in Palmerston, Ont.

Over 30,500,000 feet of deal were shipped from St. John, N.B., during the season of 1899.

Cottenham, Ont., carried the by-law to make a loan to the promoters of the furniture factory in that village.

The traffic in westbound general merchandise through the port of Owen Sound, Ont., has been, this year, about double that of last year.

The St. Thomas, Ont., Car Wheel Co. has an order for 4,000 car wheels for the Intercolonial Railway. The Montreal branch of this company is being enlarged.

Two United States firms are endeavoring to purchase sites in Vancouver for large lumber mills. One mill will have a capacity of 500,000 feet of lumber per day.

The contract to build the bridge across the river at Hartland, N.B., has been awarded to Albert Brewer, Upper Woodstock, N.B., for $28,000. Work will be begun this month.

Frost & Wood, manufacturers of agricultural implements, Smith's Falls, Ont., have received an order for 1,000 machines for a British firm. They intend to double their capacity next summer.

A Fredericton, N.B., despatch says it is estimated that the lumber cut on the Nashwaak and tributaries the present season will be about 30,000,000 feet, or an increase of about 6,000,000 feet over last season.

The Ellice, Ont., peat works are worked overtime trying to fill orders for fuel. The farmers are coming from all directions and carrying away their entire production as soon as it comes from the compresser.

Letson & Burpee, canning machine manufacturers, of Vancouver, received from the Government of Japan the other day an order to send them samples of machinery. This is said to be the first shipment of this sort sent to Japan from America.

A deputation of hardware and metal importers of Montreal waited on the Minister of Customs on Thursday, last week, asking greater uniformity in the appraisal of goods dealt in by them. Minister Paterson promised consideration of the request.

A large malleable iron firm in the United States is anxious to locate in Canada. It has secured an option on the Grand Trunk shops in Brantford, Ont. The manager and superintendent examined the ground last week. The Brantford Courier says the firm is a large one and would employ from 150 to 200 hands. If favorable arrangements can be made they will move to Brantford. They are not asking for bonus or exemption.

A. Trench, of Brandon, Man., will open up shortly in the stand now occupied by Hugginson & McLelland, as tinsmith, etc. Mr. Trench is a practical workman, having been engaged in some of the large shops in Winnipeg and Brandon for a number of years.

During the the past few weeks Messrs. H. Rankin, Alex. Arnold and C. J. S. Banting have shipped six carloads of scrap iron from Cookstown, Ont. Owing to the recent advances in iron, most of the old scrap iron in that vicinity has now been gathered in and shipped to the factories.

In answer to a question for means to keep the teakettle from becoming coated with limestone, an exchange says: "Keep some oyster-shells, and put one in the kettle to take up the lime deposit; when coated, throw it away and put in a new one. In this way you can keep the kettle free."

E. F. Hutchings, wholesale harness dealer, Winnipeg, has received an inquiry from the War Office asking him for the price at which he could make 1,000 saddles and bridles, to be delivered at Southampton, Eng., within a certain date. Mr. Hutchings has cabled the War Department, complying with their request.

A. J. Moxham, general manager of the Dominion Iron and Steel Co., arrived in Sydney last week. Mr. Whitney, president of the company, also arrived there, accompanied by Hon. D. McKeen. It is currently reported that Mr. Whitney's mission is not solely to look after the Dominion Iron and Steel Co., Sydney, but to see what possible concession could be obtained from the General Mining Association with regard to a large iron steamship building plant to be situated on the Northwest Arm overlooking North Sydney.

At a recent meeting of the board of directors of the Kelly Handle Bar Co., of Cleveland, Ohio, it was decided to begin the manufacture of Kelly bars in Canada at once, the factory to be located probably in Toronto. It is thus expected to increase Canadian sales and to save the 30 per cent. duty on manufactured goods taken across the border.

A despatch from Sydney, N.S., says "There has been much talk about the Nova Scotia Steel Company. Without doubt they intend to locate somewhere in Cape Breton, and the Northwest Arm will undoubtedly be the place. Much speculation is rife with regard to the change of management of the General Mining Association and time only will determine what these changes will be."

John Mitchell, of Liverpool, who is in Ontario buying maple blocks, says about 450,000 blocks, 20 inches long by 6½ through, will be exported this year to England. They are used largely as rollers for wringing machines, of which Great Britain turns out 350,000 yearly. Most of the maple used comes from Huron, Bruce and Grey counties, and the constant demand has resulted in a scarcity of hard maple, and an increase in its price.

THE POLICE IN MONTREAL

USE IVER JOHNSON REVOLVERS

During November the authorities in Montreal advertised for bids on revolvers to be used by the police department. Prices were asked for on all the leading makes and the order was placed for Safety Hammer, Automatic,

IVER JOHNSON REVOLVERS.

These revolvers are absolutely safe. Their accidental discharge is impossible. Just the proper arm for police, house or pocket use.

For sale by leading jobbers.

IVER JOHNSON'S ARMS & CYCLE WORKS,

FITCHBURG, MASS.

H. S. HOWLAND, SONS & CO.

WHOLESALE ONLY

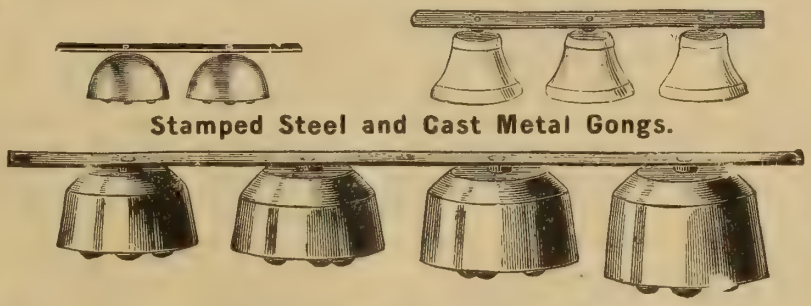
37-39 Front Street West, **Toronto.**

ONLY WHOLESALE

SLEIGH BELLS.

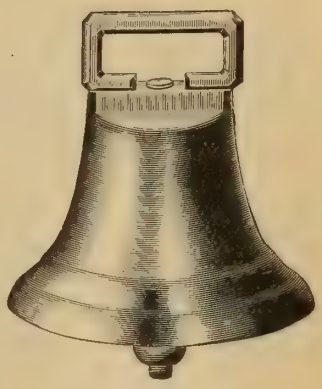


Strapped Open Bells.



Stamped Steel and Cast Metal Gongs.

Shaft Gongs, Nickel Plated, Plain, Harmonized and Tuned to Octaves.



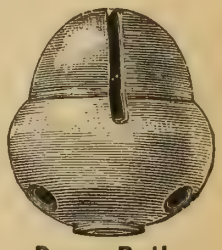
Team Bells.



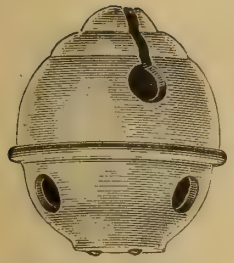
Connuck Bells.



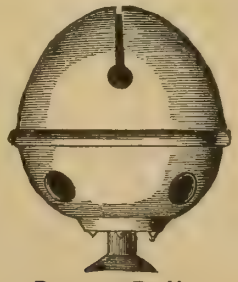
Body Bells.



Dome Bells.



C.O.C. Bells.



Dexter Bells.



Centennial Bells.

For the number of Bells on Straps see our Fall Catalogue. Also Skates and Skate Parts and Pucks.

"MIC-MAC" HOCKEY STICKS

They are not bent by artificial means, but are shaped when growing, therefore, have a natural crook.

H. S. HOWLAND, SONS & CO., TORONTO

LETTER ORDERS SHIPPED PROMPTLY.

Graham Wire and Cut Nails are the Best.

OUR PRICES ARE RIGHT.

MARKETS AND MARKET NOTES.

QUEBEC MARKETS.

MONTREAL, December 15, 1899.

HARDWARE.

THE hardware trade is assuming its usual holiday aspect, the actual movement being light, though there are considerable orders noted for forward delivery in wire of all kinds, wire nails, etc. The travelers will soon be in off the road and the houses commence their stocktaking. No changes of importance are to note in the matter of values this week.

BARBED WIRE—Business is extremely quiet and prices are unchanged at $3 60.

SMOOTH STEEL WIRE—Outside of the orders for future delivery there is nothing to report. Values are firm at the rise of $3.45.

GALVANIZED WIRE—The same remarks apply to this line of material. We quote: Nos. 6 to 8, $4.25; No. 9, $3.55; No. 12, $3.70, and No. 13, $3.85.

FINE STEEL WIRE — Discounts remain at 12½ per cent.

BRASS AND COPPER WIRE — As last reported. Discounts are: 50 and 2½ per cent. on brass and 45 and 10 per cent. on copper.

FENCE STAPLES—The demand is only for forward delivery. Prices are firm at the rise, $3 75 on bright and $4.35 on galvanized.

FINE STAPLES—Quiet. Discounts are: Coopers' staples, 50 per cent.; poultry netting, 40 per cent., and electrical, etc., 40 per cent. discount off list.

WIRE NAILS—The feeling is firm, owing to the rise in raw material. Demand, however is moderate, and we quote $3.30 net on the standard, with miscellaneous nails 72½ per cent. off list.

CUT NAILS—Business is light and prices unchanged at $2.60 f.o.b. the usual delivery points, with the customary rebate of 5c. per keg.

HORSE NAILS—Steady, with a moderate movement. Discounts are: Standard oval, 50 per cent.; Acadian, 50 and 20 per cent. f.o.b., Montreal and St. John, N.B.

HORSESHOES — There is a moderate movement in these, and the tone is firm. We quote: Iron shoes, light and medium pattern, No. 2 and larger, $3 70; No. 1 and smaller, $3.95; snow shoes, No. 2 and larger, $3.95; No. 1 and smaller, $4.20; X L steel shoes, new light pattern, No. 2 and larger, $4; No. 1 and smaller, $4 25; feather-weight, all sizes, Nos. 0 to 4, $5.25; and toe weight steel shoes, all forward, all sizes, $6.35 f.o.b. Montreal, St. John, N.B., and Halifax, N.S. Delivered f.o.b. in Toronto, Hamilton, London and Guelph 10c. per 100 lb. extra.

SCREWS— In fair request. Discounts: Flat head, bright, 80 per cent.; round head do., 75; flat head, brass, 75; round head do., 67½.

BOLTS AND NUTS—Business rules quieter. Discounts are as follows: Carriage bolts, 5-16 and smaller, 50 per cent.; ⅜ and up, 50 per cent.; full square bolts, 65 per cent.; machine bolts, 52 per cent.; coach screw bolts, 65 der cent., and sleighshoe bolts, 70 per cent.

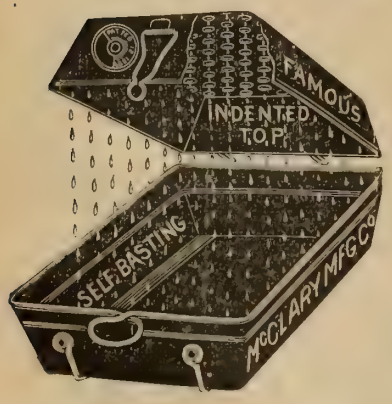
NUTS AND WASHERS — These also are less active. We quote: Square nuts, 3½c. per lb. oft list, and hexagon 4c. per lb. off

...SEASONABLE GOODS...

TURKEY TIME IS NOW AT HAND

Is your stock of—

SELF-BASTING Roasting Pans COMPLETE.



WE MAKE THREE SIZES

	Length	Width	Depth
No. 20,	14	10	7
" 30,	16	11½	8
" 40,	18½	12½	9

Wire shoes on bottom prevent any burning.

The indented top collects condensed steam, which drops onto the meat, basting it thoroughly.

It is thoroughly ventilated.

FOR A CHRISTMAS GIFT

Nothing could be wished better than

...Decorated Steel Enamelled Wares



WE DECORATE IN A VARIETY OF DESIGNS:

Tea and Coffee Pots,
Cups, Saucers and Mugs,
Children's Plates,
Toiletwares,
Water Pails, etc.

Send a sample order. Order early and avoid being disappointed.

THE McCLARY MFG. CO., - London, Toronto, Montreal, Winnipeg, Vancouver.

There's money in workable galvanized iron for you, Mr. Worker—money for you—net profit for you.

Apollo Iron and Steel Company
26 St Sulpice Street
Montreal

Cements { PORTLAND, ROMAN, KEENE'S
Bricks . . { FIRE, BUILDING, PAVING
Sand . . . { SILICA FIRE, MOULDING, BUILDING

F. HYDE & CO.
31 Wellington street, MONTREAL

English Castor Oil
GUARANTEED PURE.
Pharmaceutical, Tasteless, Cold Drawn
First Pressure
Second Pressure
In cases of 2 tins and in barrels. Stocked by all Hardware, Oil and Color men.
The Hull Oil Manufacturing Co.
LIMITED
B. & S.H. THOMPSON & CO.
Agents for Canada - MONTREAL

CANADA IRON FURNACE CO., Limited
Manufacturers of
CHARCOAL PIG IRON
MONTREAL.
BRAND "C.I.F." THREE RIVERS
PLANTS AT
Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.
Geo. E. Drummond,
Managing-Director and Treasurer

list. Washers in 50-lb. boxes are 35 to 40 per cent. discount.

RIVETS, ETC.—The movement is smaller than it was. Discounts are as follows: Black and tinned, 45 per cent.; ditto burrs, 40 per cent.; copper rivets and burrs, 35 per cent.

WRINGERS—A moderate business is noted at $48 to $60 as to make, with the usual dtscounts.

BUILDING PAPER—Moderately active for the season, and prices are unchanged: Plain building, 28c. per roll; tarred lining, 35c., according to quality; tarred roofing felt, $2.75 per 100 lb.

SPADES AND SHOVELS—Discounts are 40 and 5 per cent., with forward orders noted.

CUTLERY—Fancy cutlery is being asked for in a sorting way.

CORDAGE — Unchanged. We quote: Manila, 14½ to 15c. for 7 16 and up, and 15½ to 16c. for ⅜ up. Sisal, 12 to 12½c. for 7-16 and up, and 13 to 13½c. for ⅜ and up.

FIREBRICKS — Steady at $19 to $24 per 1,000, as to brand ex store.

CEMENT — Prices firm on the ex store basis as follows: Belgian, $2.10 to $2.40; English, $2.45 to $2 60; German, $2.60 to $2.80.

METALS.

The feeling generally in regard to heavy iron and metals continues firm and promises to remain so.

PIG IRON—The strength in this material is retained, and sales of No. 1 Summerlee are noted at $27 to $27.50, which is an advance on previous quotations. It is the only kind in the yard here, and there is not more than sufficient to meet current wants during the next two months.

BAR IRON—This line continues firm, at the rise last noted, $2.50.

BLACK SHEETS—Firmly held with only small quantities moving. We quote: 8 to 15, $3 10; 18 to 20, $2.90; 22 and 24, $2.95; 26, $3 10, and 28, $3.15.

STEEL—There has been a further advance in steel of 15c. We quote: Sleighshoe, $3; tire, $3; spring, $3.60; machinery, $3.75 and toe calk, $3.65.

GALVANIZED IRON—Orders are increasing for spring delivery. We quote: No. 28 Queen's Head, $4.75 to $5.00, and No. 26, $4.50 to $4.75; Comet, No. 28, $4.45 to $4.70, and No. 26, $4.15 to $4.45.

INGOT COPPER—Rules firm at 18½ to 19c.

INGOT TIN—The slump outside has not led to any quotable change yet, though possibly our figures might be shaded 35c. for Straits, and 35c. for Lamb and Flag.

LEAD—Continues steady at $4.50.

LEAD PIPE — Business light with prices steady. We quote: 7c. for ordinary and

Special Grades
of IRON and STEEL for special work.
We Solicit Inquires for Import.
A. C. LESLIE & CO.
MONTREAL.



IRON AND BRASS
Pumps
Force, Lift and Cistern
Hand and Power.
For all duties. We can supply your wants with —quality the best and prices right. Catalogues and full information for a request.
THE R. McDOUGALL CO., Limited
Manufacturers, Galt, Canada.

ADAM HOPE & CO.
30 JOHN STREET N.
Hamilton, Ont.
GALVANIZED SHEETS
"QUEEN'S HEAD"
"COMET"
"APOLLO B B"
"JUNIATA"
STEEL SHEETS
20 to 28 Gauge
TIN PLATES
CANADA PLATES
SHEET ZINC
RUSSIA IRON

NOVA SCOTIA STEEL CO.
Limited
NEW GLASGOW, N.S.
Manufacturers of
Ferrona Pig Iron
And SIEMENS MARTIN
Open Hearth Steel

7½c. for composition waste, with 15 per cent. off.

IRON PIPE —There is a moderate movement in this material. We quote: Black pipe, ¼ to ⅜, $3.40; ½, $3.60; ¾, $4; 1, $5.75; 1¼, $7.50; 1½, $9.75, and 2-in., $12.75.

TINPLATES — These continue steady to firm at $4.40 for coke and $4.75 for charcoal.

CANADA PLATES—Inquiry for future delivery is fair since the rise. We quote: 52's, $2.80; 60's, $2.90; 75's, $3; full polished, $3.40; galvanized Canada plates, $4.55 for 52's.

TERNE PLATE — These have been advanced to $8.50. Trade is quiet.

SWEDISH IRON— Firm but unchanged at $3.75.

COIL CHAIN — As last reported. We quote: No. 6, 12c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-inch, $8; 5-16, $5.65; ⅜, $5.05; 7-16, $4.80; ½, $4.65; 9-16, $4.50; ⅝, $4.45; ¾, $4.40; ⅞ and 1 inch, $4.40.

SHEET ZINC—The price for cask lots is the same at 7c.

ANTIMONY — Remains quiet at 10¼c.

SPELTER — Has fallen off 75c., being now quoted at $5.50.

GLASS.

There is only a quiet trade noted. We quote as follows: First break, $2.00; second, $2.10 for 50 feet; first break, 100 feet, $3.80; second, $4.00; third, $4.50; fourth, $4.75; fifth, $5.25; sixth, $5.75, and seventh, $6.25.

PAINTS AND OILS.

Makers are busy stock-taking, and, consequently, there is little to report. The only changes are a decline of 1c. in linseed oil and 2c. in turpentine. We quote:

WHITE LEAD—Best brands, Government standard, $6.37½; No. 1, $6; No. 2, $5.62½; No. 3, $5.25.

DRY WHITE LEAD—$5.25 in casks; kegs, $6.

RED LEAD—Firm; casks, $4.75; in kegs, $5.

WHITE ZINC PAINT—Pure, dry, 8c.; No. 1, 6½c.; in oil, pure, 9c.; No. 1, 7½c.

PUTTY —We quote: Bulk, $1.65; bladders, in bbls., $1.80; bladders, in cases, $1.95; in tins, $2.05 to $2.30.

LINSEED OIL — Raw, 62c.; boiled, 65c., five to nine-barrels, 1c. less, ten and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—Single barrels, 75c.; two to four barrels, 74c.; five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Firm; $1.10 to $1.30 per gallon.

CASTOR OIL—Firm; 7½ to 8c.

SEAL OIL—37½ to 40c.

COD OIL—32½ to 35c.

NAVAL STORES—Fair demand for all lines, and prices show no change: Resins, $2.75 to $4.50, as to brand; coal tar, $3 to $3.50; cotton waste, 4½ to 5½c. for colored, and 6 to 7½c. for white; oakum, 5½ to 6½c., and cotton oakum, 9 to 11c.

PETROLEUM.

Steady and unchanged, at 18c. for "Acme," and 17c. for "Silver Star."

HIDES.

Steady at the rise. We quote: No. 1, 10½c.; No. 2, 9½c., and No. 3, 8½c. Lambskins are 85c.

COAL.

Firm at the advance. We quote: Stove, $6; chestnut, $6; egg, $5.75; Scotch grate, $6.25; Scotch steam, $4.25 to $4.75; Tower ports steam, $3.75 to $4.

MONTREAL NOTES.

Turpentine is down 2c. and linseed oil 1c. per gallon.

There has been an advance of 25c. in the price of steel.

There has been an advance of 50c. in the base price of tern plate.

The only kind of pig iron obtainable in store here is Summerlee Scotch pig.

The slump in black tin has not yet affected spot prices, but is certain to soon.

ONTARIO MARKETS.

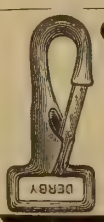
TORONTO, December 15, 1899.

HARDWARE.

ALTHOUGH the volume of business is naturally not as large as it was a week ago, it is of larger proportions than might be expected for this time of the year. A good many orders are being booked for barbed, galvanized and plain wire for spring delivery. A good many orders are being placed for wire nails, for, although higher prices have not yet materialized, the tendency is in that direction. Wire nails are still quiet. Trade is pretty much over for the season in horse nails and horseshoes. The demand for screws keeps brisk, and bolts and nuts are in fair demand. Wringers are in fair demand, and churns are being booked for future delivery. A nice trade is being done in decorated enameled ware. Spades and shovels and harvest tools are still being booked for spring delivery. American cleavers, American alarm tills, English iron squares, certain lines of cutlery, wrought iron washers and whipstocks are all dearer.

BARBED WIRE—A good many orders are being booked for spring delivery; but very few for immediate shipment. We quote $3.60 Toronto, and $3.25 f. o. b.

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON' KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL


COVERT MFG. CO.
West Troy, N.Y.
DERBY SNAP.
With Plated Rust Proof and Guarded Spring.
"THE LATEST AND BEST."
For Sale by all Jobbers at Manufacturers' Prices.

PRIEST'S CLIPPERS
BALL BEARINGS
Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA

COATES' CLIPPERS
HAND AND POWER, easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel, and will not heat. 1899 catalogue ready.
Coates Clipper Mfg. Co.
WORCESTER, MASS.


Pullman Sash Balance Co.
Makers of the
"Pullman" Hardware Specialties
Main Office and Works,
Rochester, N.Y., U.S.A.
On sale all round the globe.

Mackenzie Bros.,
Hardware Brokers and Manufacturers' Agents,
... WINNIPEG
CAN HANDLE GOOD LINES ON COMMISSION.
Travellers covering Manitoba, N.W.T., and British Columbia.
During December a personal interview can be arranged by addressing our Mr. Gordon Mackenzie, care of Mackenzie, Milne & Co., Sarnia, Ont.

Cleveland for carlots, and $3.35 for smaller quantities.

SMOOTH STEEL WIRE—Not much doing for immediate shipment, but few orders are being booked for spring delivery. Prices are firm. The base price is $3.45 per 100 lb.

GALVANIZED WIRE — Business in this line is also chiefly confined to orders for spring delivery. We quote as follows: Nos. 6, 7, 8 gauge, $4.25; No. 9, $3.55; No. 10, $4.40; No. 11, $4.45; No. 12, $3.70; No. 13, $3.85; No. 14, $5.00; No. 15, $5.30; No. 16, $5.50.

WIRE NAILS — No further advance in prices has yet taken place, but the tendency is in that direction. The trade evidently anticipates this, for it is purchasing rather freely. We quote carlots at $3.22½ Toronto and less quantities at $3.30 per keg.

CUT NAILS—Still quiet. We still quote base price at $2.60 f.o.b. Toronto, Hamilton and London.

HORSE NAILS—There is not as much doing as there was, the season's demand being largely supplied. We quote: Standard, oval head, discount 50 per cent.; oval top and Acadia countersunk head, 60 per cent.

HORSESHOES—Some business is still being done, but the greater part of the orders have been placed for the season. We quote f.o.b. Toronto, Hamilton, London and Guelph, as follows: No. 2 and larger, light, medium and heavy iron shoes, $3.80; snow shoes, $4.05; light steel shoes, $4.10; featherweight shoes, all sizes, $5.35. No. 1 and smaller, light, medium and heavy iron shoes, $4.05 per keg; iron snow shoes, $4.30; light steel shoes, $4.35; featherweight steel shoes, all sizes, $5.35.

SCREWS—Business still keeps up well. We quote: Flat head bright, 80 per cent. off the list; round head bright, 75 per cent.; flat head brass, 75 per cent.; round head brass, 67½ per cent.; flat head bronze, 67½ per cent.; round head bronze, 62½ per cent.

BOLTS AND NUTS—A fairly good trade is still being done in stove bolts, but in carriage bolts the volume of business is light. We quote: Norway bolts, full square, 65 per cent.; common carriage bolts, all sizes, 50 per cent.; ditto, full square, 65 per cent.; machine bolts, all sizes, 52½ per cent.; coach screws, 65 per cent.; sleighshoe bolts, 70 per cent.; blank bolts, 52½ per cent.; bolt ends, 62½ per cent.; nuts, square, 3½c. off; nuts, hexagon, 4c. off; tapping nuts, 60 per cent.; tire bolts, 60 and 10 per cent.; stove bolts, 60 and 10 per cent.; plough bolts, 50 per cent.

RIVETS AND BURRS—A fair business is still being done. We quote as follows: Carriage section, wagon box, rivets, etc. (steel), 60 per cent. off the list; ditto (Norway iron), 60 per cent.; black M rivets (steel), 55 per cent.; ditto (Norway iron), 45 per cent.; iron burrs, 40 per cent.; copper rivets, 35 per cent.; bifurcated, with box, $1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

WRINGERS—A fair number of orders for immediate shipment are reported. We quote as follows: "Leader," $60 per doz.; "Royal Canadian," $58; "Royal American," $48. Prices are all f.o.b. Toronto, Hamilton, Brockville, and Montreal. Discount, 45 per cent. Terms, four months, or 3 per cent. 30 days.

WROUGHT IRON WASHERS—The Canadian manufacturers have advanced their prices, and the discount to the retail trade is now 25 per cent.

CROSSCUT SAW HANDLES—These have been advanced, and the S. & D. make is quoted as follows: No. 3, 17½c. per pair; No. 5, 22½c. per pair; No. 6, 15c. per pair; Boynton pattern, 20c. per pair.

AMERICAN CLEAVERS — The price of these has been advanced 20 per cent.

AMERICAN ALARM TILLS—An advance of 10 per cent. is announced in the price of these.

ENGLISH IRON SQUARES — Jobbers in Canada have been advised of an advance in the price of English iron squares, and we now quote: No. 493, $2.40 to $2.55 per dozen; No. 494, $3.25 to $3.40.

CUTLERY—The price of English "garret" goods and also of ivory-handled table and dessert knives, carvers and steels has been advanced 10 per cent. The local cutlery trade is now largely confined to small sorting-up orders for holiday trade.

BUILDING PAPER—A fair demand is still to be noted. We quote as follows: Plain building, 28c. per roll; tarred lining, 35c., according to quality; tarred roofing felt, $1.40 per 100 lb.; carpet felt, $2.75 per 100 lb.

ENAMELED WARE — There is a good movement in decorated enameled ware; in fact, the demand exceeds the supply. In ordinary lines of enameled ware the demand is light. Discounts are: "Princess" ware, "Turquoise" ware, blue and white ware, and white ware, 50 per cent.; "Premier," "Diamond" ware, "Famous" ware, 50 and 10 per cent.; "Crescent," "Granite" or "Pearl" ware, "Imperial" ware, 50, 10 and 10 per cent.

TINWARE—There is not much doing.

SPADES AND SHOVELS—Some orders are being booked for spring delivery. Discount, 40 and 5 per cent.

HARVEST TOOLS—Business is still being done for future delivery. Discount, 50 and 10 per cent.

STOVES AND FURNACES — The cooler weather has caused some little improvement in the demand. Discounts are: Stoves and ranges, 45 and 5 per cent.; furnaces, 40 and 5 per cent. registers, 60 per cent.

ROPE — Still quiet. Quotations are: Sisal, 7-16 inch and larger, 12c. per lb.; ⅜ inch, 12½c.; ¼ to 5-16 inch, 13c.; manila 7-16 inch and larger, 14c. per lb.; ⅜ inch, 14½c.; ¼ to 5-16 inch, 15c.

CEMENT—The business of the season is practically over, and trade is quiet. We quote in barrel lots: Canadian Portland, $2.65 to $2.90; Belgian, $3 to $3.10; English do., $3.25; Canadian hydraulic cements, $1 to $1.10; calcined plaster, $1.90; asbestos cement $2.50 per bbl.

Our METALLIC CEILINGS AND WALLS



Sample Plate, No. 429.

Don't Get Shabby—Like Other Styles.

They retain their artistic beauty—don't need renewing—and are fireproof and sanitary.

That's why practical people everywhere are using them, both in old and new buildings of all kinds.

The cost is so moderate, and the variety of designs so extensive that all tastes and purses can be suited.

Full information in our Catalogue . . . . . Have You One?

THE METALLIC ROOFING CO., Limited

1179 King St. W., TORONTO.

John Bowman Hardware & Coal Co.

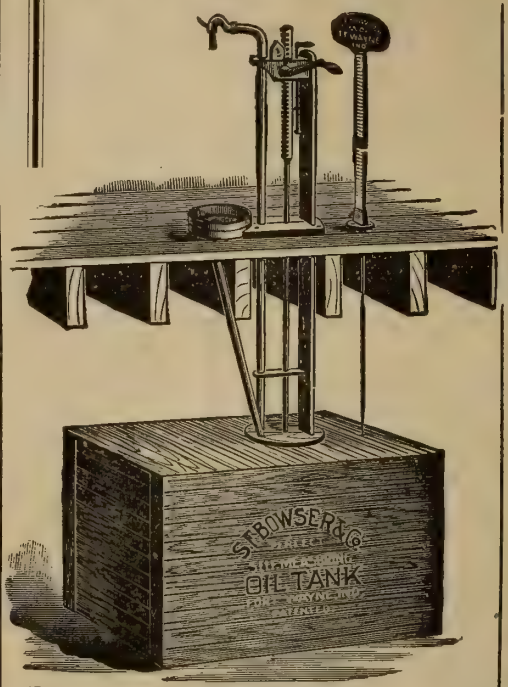
LONDON, ONT.

Our Fall stock is now complete and we can supply at the best figures, **AXES, SAWS, LANTERNS, CORDAGE, CHAIN, WINDOW GLASS, PAINTS, OILS,** etc. Our importation of **CUTLERY, SKATES, ENGLISH GUNS, SHOT SHELLS, BLACK and SMOKELESS POWDER. SHOT, WADDING,** etc., now in.

Our Motto: Prompt Shipment, Right Prices.

ADVERTISING IN WESTERN CANADA
will be CAREFULLY, EFFICIENTLY and PROMPTLY attended to, by
THE **ROBERTS ADVERTISING AGENCY,**
WINNIPEG, CANADA.

WINTER IS AT HAND



BASEMENT OUTFIT.

And your oil trade is picking up. The

GENTLE PILFERER

is also "picking up" small articles of merchandise lying in . . . reach while you are gone to the basement after . oil.

A RARE BIRD IS THE PILFERER

There is only one way to make him sad. Stay where you can

WATCH HIM

EQUIP YOUR STORE WITH A

BOWSER BASEMENT SELF-MEASURING OIL TANK GALLONS, HALF-GALLONS AND QUARTS AT A STROKE

PUMP UP STAIRS—FULL BRASS VALVES.
TANK IN BASEMENT—GALVANIZED STEEL.

FILFERERS DON'T LIKE BASEMENT TANKS. 125,000 merchants like them and use them. Isn't it worth your while to investigate? It costs only a cent for a postal.

S. F. BOWSER & CO., P.O. Box 564, TORONTO, ONT. Factory, Fort Wayne, Ind.

METALS.

Markets are fairly firm, and tin has again taken a firmer tone in the outside markets during the last few days; local quotations are, however, lower than they were on tin.

PIG IRON—The market is in much about the same position as a week ago, both in regard to business and prices. We quote: No. 1 Hamilton, $25 per ton at the furnace; No. 1 Tonawanda, $25.40 in bond, Toronto, and No. 2 at $24.40; No. 1 Southern, $24 in bond, Toronto.

BAR IRON—The demand appears to be as active as ever. Some of the rolling mills are complaining of a shortage of fuel. We quote $2.30 in carlots at the mills and $2.40 in smaller quantities; from stock, $2.40 to $2.50.

LEAD PIPE — Trade is still fair. We quote: Ordinary pipe, 7c., and waste, 7½c. per lb. Discount, 15 per cent.

RANGE BOILERS — A moderate trade is still to be noted. We quote: Galvanized, 30 gals., $8.50; 35 gal., $10; 40 gal., $11. Copper, 30 gal., $22; 35 gal., $26; 40 gal., $30; discount off copper boilers, 10 per cent.

SHEET ZINC — Trade keeps fair. Prices are unchanged at 8 to 8¼c.

PIG LEAD—Trade keeps good with prices firm. We quote 4¾ to 5c. per lb.

SPELTER —Is quiet. Prices are firm and unchanged at 7 to 7¼c. per lb.

GALVANIZED IRON — Orders are being booked freely for import, both for English and United States iron. Orders from stock are only moderate, although, for January shipment, quite a few orders have been placed. We quote 28 gauge at $5 for English and $4 60 for American, but 28 gauge of the latter is equal to 26 gauge of the former.

BLACK SHEETS — The demand keeps good for small quantities. We still quote 28 gauge at $3 35.

CANADA PLATES—Prices have advanced 25c. per box. Unusually good orders have been placed for January shipments from stock, besides import orders which are being booked for spring delivery. We quote: All-dull, $3 25; half-polished, $3.35; all-bright, $3.85.

TINPLATES—Trade is light, and orders are still being booked for spring delivery.

TERNE PLATES — Trade is still quiet. Prices are unchanged.

PIG TIN—Buying is only for small lots for present requirements. People who are usually large buyers are at present conservative in their purchases. Prices are 2c. lower at 33c. per lb.

COPPER—Ingot copper is still quiet, but a fair business is being done in sheet copper. We quote: Ingot copper, 20 to 21c. per lb., and sheet, 23 to 23½c. per lb.

IRON PIPE—The demand keeps good and quotations are as before. We quote: Black pipe, ¼ to ⅜ inch, $3.60; ½ inch, $3.70; ¾ inch, $4 20; 1 inch, $5.90; 1¼ inch, $7.85; 1½ inch, $9.75; 2 inch, $13; 2½ to 6 inch, discount off the list 45 per cent. Galvanized pipe is quoted as follows: ¼ inch, $6.50; ¾ inch, $8; 1 inch, $11.50; 1¼ inch, $16; 1½ inch, $20; 2 inch, $28.50.

SOLDER—The demand is fairly good this week. We quote: 21 to 22c. for half-

and-half; 20½ to 21½c. for refined, and 20 to 20½c. for wiping.

ANTIMONY—Continues dull. We quote: Cookson's, 11 to 11½c. per lb.

SHOT — Trade is quiet. We quote: Ordinary drop, $5.25 per 100 lb.; chilled, $5.50 per 100 lb.

SOIL PIPE AND FITTINGS — Discount: Medium and extra heavy, 50 per cent.; light, 45 per cent.

PAINTS AND OILS.

Trade is dull. There is no change in prices. White and red leads and sundries are firm. Linseed oil and turpentine have steadied since the decline of last week. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $6.50; No. 1, $6.12½; No. 2, $5.75; No. 3, $5.37½; No. 4, $5; dry white lead in casks, $5.75.

RED LEAD—Genuine, in casks of 560 lb., $5.00; ditto, in kegs of 100 lb., $5.25 to $5.50; No. 1, in casks of 560 lb., $4.75; ditto, kegs of 100 lb., $5.

LITHARGE AND ORANGE MINERAL—Litharge, 6 to 6½c.; orange mineral, 7½ to 8½c.

WHITE ZINC—Genuine, French V.M., in casks, $7 to $7.25; Lehigh, in casks, $6.

PARIS WHITE—90c.

WHITING — 55c. per 100 lb.; Gilders' whiting, 75 to 80c.

GUM SHELLAC—In cases, 20c.; in less than cases, 24c.

PLASTER PARIS — Ordinary, $1.75 per barrel; New Brunswick, $2 to $2.20 per barrel.

PUMICE STONE—Powdered, $2.50 per cwt. tion of cheap boilers, a reduction of 50c. has taken place in 30-gallon galvanized in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, $1.10 per gallon; No 1 quality, 90c. per gallon.

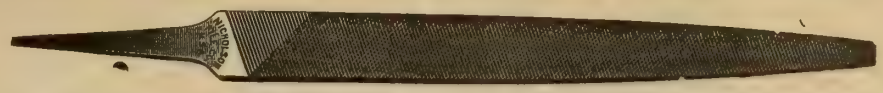
SEAL OIL—54c. per gallon, and yellow seal at 45c.

CASTOR OIL—East India, in cases, 8 to 8½c. per lb. and 9 to 9½c. for single tins.

LINSEED OIL — Raw, 1 to 4 barrels, 60c.; boiled, 63c.; 5 to 9 barrels, raw, 59c.; boiled, 62c.; 10 to 15 barrels, raw, 58c.; boiled, 61c.; 16 to 59 barrels, raw, 57c.; boiled, 60c. To outside points, the same price is charged.

TURPENTINE—Single barrels, 73c.; two to four barrels, 72c., freight allowed; in less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

76,800 Daily Production. 5 Factories. 5 Brands.
NICHOLSON FILES
For sale all over the World



16 Governments. 85% R.R., 70% U.S. Contracts. 70% of Total Production of America.
NICHOLSON FILE CO., PROVIDENCE, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited. Established 1773

Manufacturers of **Polished, Silvered, Bevelled Chequered, and Rough Plate Glass.** Also of a durable, highly-polished material called **"MARBLETTE,"** suitable for Advertising Tablets, Signs, Facias, Direct on Plates, Clock Faces, Mural Tablets, Tombstones, etc. This is supplied plain, embossed, or with incised gilt letters. **Benders, Embossers, Brilliant Cutters, etc., etc.** Estimates and Designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street London, E.C.—128 Hope Street, Glasgow 12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glass, St. Helens." Telephone No. 68 St Helens.

GLASS.

The Belgian market is advancing steadily, and prices may be raised here in consequence. We quote as follows: Star, first break in 50-foot boxes, $2.15, and in 100-foot boxes, $4; double diamond under 25 united inches, $6, Toronto Hamilton and London; terms 4 months or 3 per cent, 30 days.

OLD MATERIAL.

Prices keep stiff, though no change is noted. Delivery is large and the demand is brisk. We quote as follows: Agricultural scrap, 70c. per cwt.; machinery cast, 65c. per cwt.; stove cast scrap, 40c.; No. 1 wrought scrap, 60c. per 100 lb.; new light scrap copper, 12c. per lb.; bottoms, 10½c.; heavy copper, 14c.; light scrap brass, 7c.; heavy yellow scrap brass, 10c.; heavy red scrap brass, 11c.; scrap lead, 2½c.; zinc, 3c; scrap rubber, 5½c.; good country mixed rags, 65 to 75c.; clean dry bones, 40 to 50c. per 100 lb.

COAL.

The demand keeps good, and cars for delivery scarce, so the dealers are finding difficulty in filling orders. Prices are firm. We quote for immediate delivery at Buffalo and bridges as follows: Nut, $5 per gross ton, or $4.46 per net ton; egg and stove, $4.75 per gross ton, or $4.24 per net ton; grate, $4.50 per gross ton, or $4.01 per net ton.

PETROLEUM.

The demand keeps brisk. No change is noted. We quote as follows: Pratt's Astral, 18¼c. in bulk (barrels, $1 extra); American water white, 18¼c. in barrels; Photogene, 17¼c.; Sarnia water white, 17c. in barrels; Sarnia prime white, 15½c. in barrels.

MARKET NOTES.

H. S. Howland, Sons & Co., report an active trade in "Mic Mac" hockey sticks. This is the same stick that was formerly handled by The Griffiths Corporation.

TRADE WITH MARITIME PROVINCES.

MR. W. S. FISHER, of Emerson & Fisher, wholesale hardware merchants and manufacturers, St. John, N.B., has been spending a few days in Toronto this week on his way home from a visit to the United States. Although the principal object of Mr. Fisher's visit is pleasure, he is not missing an opportunity of advocating the interests of the St. John winter port. He states that the outlook for the winter's shipping trade is excellent, and that, so far, the volume is in excess of last year at this time. "Of course, you know," said Mr. Fisher, "the season has just begun, and we cannot tell what it will be like at the end; but, so far, it promises well."

"What are the general trade conditions in the Maritime Provinces?"

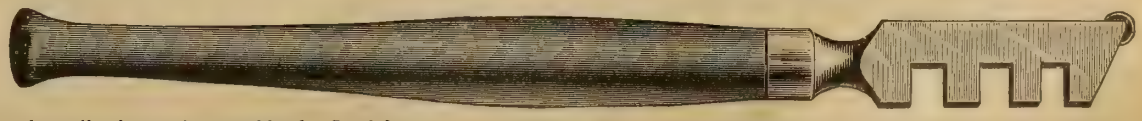
"We have not had the same boom as you have had up this way, but, nevertheless, business is in a good healthy condition. The condition of the lumber trade is better than it has been for years. A short time ago I was down to Cape Breton and there found that the coal industry was most brisk. They were loading several steamers with coal per day, taking it right from the mines and putting into the hold of the vessels on the same day. So brisk was the demand for coal for steamers that the coal companies were refusing to supply any other than the regular lines of steamships."

Mr. Fisher went East on Thursday night.

PERSONAL MENTION.

Mr. Delorme, of the firm of Delorme Bros., Montreal, was in Toronto this week. He reports that his firm is making considerable headway along the line of hinges, both T and strap and barn door hinges to screw; also door latches and hooks, pad bolts, etc. Mr. Delorme is taking a trip west with a view to securing what agencies he can for western manufacturing firms, for, besides manufacturing goods themselves, they act as representatives in Montreal of other manufacturing concerns. He reports that in their own factory they have more business at present than they can well take care of.

Barrett's Glass Cutters Standard
Barrett's Practical Glass Cutters are the standard the world over.



Sold by more Hardware Dealers than all other makes combined. Send for prices and sample. W. L. BARRETT, Manufacturer, Bristol, Conn., U.S.A.

MANITOBA MARKETS.

WINNIPEG, December 15, 1899.

HARDWARE markets have been fairly active, though, as with all lines of business, they are beginning to feel the effects of continued mild weather. The changes in the price list for these are very few, but two of them are declines. Iron pipe has declined 10 per cent., and ingot tin 2c. Tinplates, however, have advanced 25c. per box, and boiler tubes have also advanced, 2½-inch being quoted at 6c. per foot. Skates, owing to the weather, have been slow sale this season. Just now, retail men are experiencing a slight activity in this line. One or two rinks opened Saturday night, but the ice is still soft and unfavorable. In other lines price list is as at last writing.

The price list for the week is as follows :

Barbed wire, 100 lb	$3 75
Plain twist	3 75
Staples	4 25
Oiled annealed wire 10	4 02
" 11	4 09
" 12	4 15
" 13	4 30
" 14	4 42
" 15	4 55
Wire nails, 30 to 60 dy, keg	3 80
" 16 and 20	3 85
" 10	3 90
" 8	3 95
" 6	4 10
" 4	4 15
" 3	4 20
Cut nails, 30 to 60 dy.	3 15
" 20 to 40	3 20
" 10 to 16	3 25
" 8	3 30
" 6	3 35
" 4	3 65
" 3	3 90
" 3 fine	4 20
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No 1	4 70
No. 2 and larger	4 45
Snow shoes, No. 0 to No. 1	4 95
No. 2 and larger	4 70
Steel, No. 0 to No. 1	5 00
No. 2 and larger	4 75
Bar and band iron, $3.00 basis.	
Swedish iron, $5 basis.	
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 20 gauge, 100 lb.	3 50
20 to 26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 gauge	4 25
18 to 22 gauge	4 50
24 gauge	4 75
26 gauge	5 00
28 gauge	5 25
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 55
26 gauge	8 80
28 gauge	8 00
Tinplate, IC charcoal, 20 x 28, box	10 75
" IX "	12 75
" IXX "	14 75
Ingot tin	36
Canada plate, 18 x 21 and 18 x 24	3 35
Sheet zinc, cask lots, 100 lb	9 00
Broken lots	9 50
Pig lead, 100 lb	4 50
Wrought pipe, black up to 2 inch	60 p.c.
" Over 2 inch	55 p.c.
Rope, sisal, 7-16 and larger	12 00
" ⅜	12 50
" ¼ and 5-16	12 00
Manila, 7-16 and larger	14 50
" ⅜	15 00
" ¼ and 5-16	15 50
Solder	23
Cotton rope, all sizes, lb.	16
Axes, per box	$6.00 to 8 00
Screws, flat head, iron, bright 75 and	10 p.c.
Round " "	70 p.c.
Flat " brass	70 p.c.
Round " " 60 and	5 p.c.
Coach	57½ p.c.
Bolts, carriage 5-16 and smaller	42½ p.c.
⅜ and larger	37½ p.c.
Machine	45 p.c.
Tire	55 p.c.
Sleigh shoe	65 p.c.
Plough	40 p.c.
Rivets, iron	37½ p.c.
Copper, No. 8, lb	33½c.
Spades and shovels	40 p.c.
Harvest tools 50, 10 and	5 p.c.
Axe handles, turned, s. g. hickory, doz	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 65
No. 1	1 25
Linseed oil, raw, per gal	62
" boiled "	65
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	40 p.c.
C.F. pistol	10 p.c.
C.F. military	Net.
Loaded shells, Robin Hood, M	$20 00
Eley's soft, 12 gauge	15 00
chilled, 12 guage	16 50
soft, 10 guage	20 00
chilled, 10 guage	21 00
American, M	16 25
Shot, Ordinary, per 100 lb	5 50
Chilled	6 00
Powder, F.F., keg	4 75
F.F.G.	5 00
Robin Hood	10 00
Tinware, pressed, retinned 70 and	2½ p.c.
" " plain 70 and	15 p.c.
Graniteware, according to quality	60 p.c.
Turpentine, by barrel	81c.
Less than barrel	86c.

ARRANGING RETAIL PRICES.

ATTENTION has been directed in these columns to the extreme importance of keeping retail prices in their proper relation to the wholesale fluctuations. On the other side of the Atlantic retail hardwaremen are in the same position as ourselves, and inquiries amongst them have recently been made for details of their methods of keeping their staff posted up to date, and much diversity of practice appears to exist. One firm, for instance, keeps an office stock-book in which is recorded the cost of all goods. From this book change sheets or cards are issued whenever a change in the selling price is to be made. The cards are prepared in triplicate, one being given to the salesman, one placed with the goods, and one is filed. The plan adopted by another firm is to show both the cost and selling prices in a cost-book and upon cards, each set of figures being revised as notifications of changes in the market are received. But probably the system which will best commend itself is that followed by a third house, which details one man to see that all goods are properly marked when the invoice is checked. For the guidance of the assistants a bulletin-board is placed in the warehouse, on which are shown notifications of all changes in prices, and to insure that the assistants shall see and take note of the particulars thus set out, each one is required to attach his signature to the list. The views of our readers upon the comparative merits of these systems would be of some interest.—Ironmongery, London.

AN OPTIMISTIC OPINION.

The Port Arthur Chronicle claims that the position of that place "midway between the east and west, the half-way port between the Atlantic and Pacific oceans, the transhipping point for eastern and western products alike, is destined to become to Canada the most important city within its confines." It states that the building of the Ontario and Rainy River railroad, the erection of the great Ogilvie mills, and the establishment of the 50-ton blast furnace there will make the place a desirable point for the establishment of wholesale houses and small manufacturing establishments.

SAFFORD RADIATOR CATALOGUE.

"Where the artistic mind is, art abounds." If the above quotation be true, there must be an artistic mind controlling The Dominion Radiator Co., Limited, for the productions of that firm seem to be instinct with art. A Safford radiator catalogue has just been issued. It is as artistic as the radiator it describes. It is none the less effective because of this, however, as the various styles of radiators made by this firm lend themselves excellently to fine high-tone effects. Dealers should get a copy of this booklet.

There is talk of forming a joint stock company at Shubenacadie, N.S., to build a large building in the spring and make harnesses by the wholesale. The Yarmouth Telegram says the right men have it in hand. One man has already offered to put up $1,000, and several others have offered to follow. They expect to employ about 30 to 40 hands. This will make quite an addition to the industries of Shubenacadie village.

SITUATION VACANT.

HARDWARE TRAVELLER WANTED FOR Manitoba. State experience, age, married or single. Address application to "Box A," HARDWARE AND METAL, Toronto. (50)

Buy the Best.



HERCULES

Sash Cord.

Star Brand Cotton Rope
Star Brand Cotton Clothes Lines
Star Brand Cotton Twine

For Sale by all Wholesale Dealers

Two Wall Paper Beauties



No. 833.

"Malmaison" Empire Pattern

This design is especially commendable for its correctness of style. The decorative theme of this pattern was executed from a similar design known as a souvenir of Empress Josephine. The brilliancy of its gilding, accuracy of printing and richness of its ground colorings, on fancy embossed paper, render it invaluable for high-class decorations.

No. 798.

"Royal Orleans"

An exquisite heraldic pattern with beautiful shield effect and royal armory—the very thing for parlors and halls. Printed on grounds of crown red, primordial blue, palace blue, maple, and bud-green colorings, in plain and embossed gilts.

A paper that will attract the lover of the beautiful.



No. 798.

Your stock **cannot be complete** without the above beautiful patterns and others in the upper end of our line.

In point of originality, variety, novelty and quality we excel. Up-to-date in every way.

It does not COST you any more to get the BEST, but it PAYS you better. We want every dealer in Canada to judge for himself that we mean just what we say, and will send samples, free of all charge, to suit all requirements in the way of Wall Papers.

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TRADE IN OTHER COUNTRIES THAN OUR OWN.

CANADIAN TUBES IN ENGLAND.

WE have, for some time, had to put up with competition in tubes from the United States, but I now understand that Canadian makers are also trying to get a look-in on our market. At present, United States tubes are largely used in the Dominion, but there seems to have been a considerable development of the industry in Canada itself lately, and I believe that no fewer than three concerns are now actually making tubes in or near Montreal. One of these has lately appointed an agent in London ; but, if it is correct, as I am told, that the quality of Canadian tubes is much inferior to British and United States makes (it is said to be somewhere between French and German tubes), we are not likely to see many of them in the home market. They may, however, find a footing (if that word can be applied to tubes) in British India and certain colonies, to which they would be probably transhipped from a British port. It will be scant consolation to our tube-makers that this competition comes from within instead of without the Empire, but they may solace themselves with the reflection that, in spite of all opposition, British makers have a knack of finding a market somehow. Threatened men live long.—"Vulcan," in Ironmonger.

SITUATION IN SHEFFIELD.

Iron and steel manufacturers, judging by the freedom with which they are placing orders for raw and semi-finished material, must feel complete confidence in the future of the trade. The contracts daily booked for Bessemer and Siemens material are in nearly every instance in excess of those of twelve months ago, although the price is very much higher. The phenomenal activity of trade is reflected in the extraordinary pressure upon the collieries for supplies of manufacturing fuel, and in the congested condition of the railway depots. The railway companies are quite unable to deal promptly with the traffic, and a vast amount of Sunday work is being done both on the railways and at the heavy steel establishments. From the standpoint of the labor market the war has come at a very unfortunate moment, for it has had the effect of reducing an already insufficient supply. The home and foreign demand for high-class cast steel is well maintained ; frequent advances, instead of discouraging buyers, appearing rather to stimulate the trade.—Ironmonger, December 2.

TINPLATE SITUATION.

The market has been very steady during the week, and, although only a small business is reported, prices are well maintained. There is a good demand from the Continent, mainly for odd sizes, in which business has been done at figures ranging from 15s. 4½d. to 15s. 7½d. I.C. basis, f.o.b. Wales, according to specification, and from 14s. 10½d. to 15s. for I.C. 14 by 20 Bessemer cokes. The oil-size buyers are not yet inclined to come into the market, and only a very small business has been done at 14s. 10½d. and 15s. per box, f.o.b. Swansea, for I.C. 14 by 18¾, 124 sheets, 110 lb. The Californian buyers are not open just now, and, consequently, no trade in their requirements is reported. The demand for black plate is good, and for delivery over the first three months of next year some fair lines have been placed at from £10 17s. 6d. to £11 2s. 6d. per ton, f.o.b. Wales, according to specification, for I.C. strength. The home trade is brisk, and wasters are in good demand. Most makers are now well booked over the next couple of months, and plates for delivery this year are realizing enhanced prices.—Ironmonger, December 2.

UNITED STATES METAL MARKETS.

PIG TIN—An advance of £5 and over in London stiffened prices greatly for spot tin in the New York market, and purchases could have been made at little, if any, lower prices than 25½c. at the close. Current month delivery was held nearly as high, but January delivery was at about 1c. discount and somewhat freely offered. On 'Change there were sales of 5 tons January delivery at 24.25c.; 5 tons ditto at 24.35c., and 5 tons later at 24.25c. Dealings outside were estimated at about 125 tons, for delivery during the next six weeks.

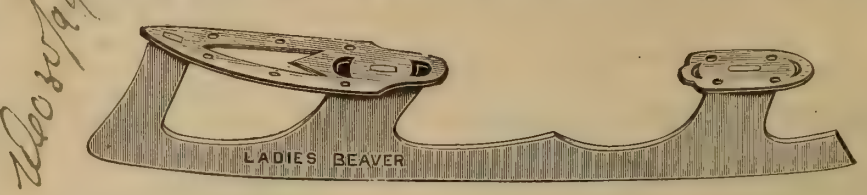
COPPER—A slow market is still to be reported. Buyers' wants are largely supplied from deliveries on contracts, and the best prices bid are a good margin below buyers' idea of value of the metal. The range of prices may fairly be quoted at 17c. for Lake Superior ingot and 16⅝ to 16¾c. for other varieties.

PIG LEAD—There was no new turn in the pig lead market. Sales were only fair in this quarter, but prices were held very steadily at 4.65c. for round lots for future delivery, and 4.67½ to 4.70c. for carload lots on the spot.

SPELTER—Fair sales are being made in a moderate way, and prices are holding very steady at $4.75 to 4.85c. for prime Western brands, delivered here, in carload and larger lots.

IRON AND STEEL—The market for all crude material and finished products is rather quiet, but prices remain steady throughout.

LADIES' BEAVER SKATE



Light in weight, Beautiful in design, Superb in finish.

The ideal skate for ladies' use.
See that the makers' name is on each blade.

THE STARR MANUFACTURING CO., Limited,
MAKERS, HALIFAX, N.S., CANADA.

DIAMOND EXTENSION STOVE BACK

Patented, July 11th, 1893. Canadian Patent, June 14th. 1894.

They are easily adjusted and fitted to a stove by any one.

Please your customers by supplying them immediately with what they want.



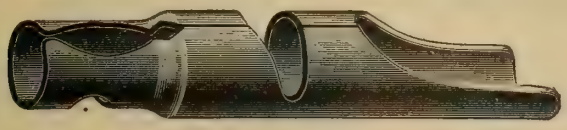
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Sold by Jobbers of . . .
Hardware
Tinware
and
Stoves

Manufactured by THE ADAMS COMPANY, Dubuque, Iowa, U.S.A.
" " A. R. WOODYATT & CO., Guelph, Ontario.

Established 1860 Incorporated 1895

"EUREKA"
STEEL SAP SPOUTS



Patented 1896 . . . . . Cut Shows Full Size of Spout

Economical, durable and cheap. Holds the bucket safely and securely. Prevents all leakage and waste. Easily inserted, does not injure the tree, and secures full flow of sap.

Neatly packed in cardboard boxes, 100 each. Made in Berlin Bronze, 24, 22, 20 gauge; Tinned Steel, 20 gauge.

The THOS. DAVIDSON MFG. CO., Limited,
MONTREAL.

EXTENDED INSURANCE.

One of the many liberal features embodied in the **UNCONDITIONAL ACCUMULATIVE POLICY** issued by the

Confederation Life Association.

HEAD OFFICE--TORONTO.

is the provision for Extended Insurance. After two full annual premiums have been paid, the insured is entitled to Extended Insurance for the full amount of the policy for a term of years definitely stated therein. Paid-up and Cash Values also guaranteed.

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W. C. Macdonald, Actuary. **J. K. MACDONALD,** Managing Director

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MADE BY THE
Best Processes
ARE MANUFACTURED BY
THE CANADA PAINT CO.
AND GIVE THE
Best Results



Convenient packages.
Can be applied without loss or waste.
Information cheerfully furnished by applying to our representatives or writing direct to
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THE CANADA PAINT COMPANY, Limited

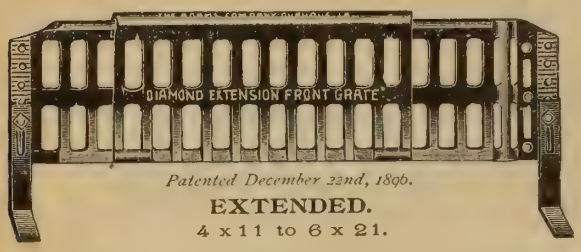
TORONTO OFFICE: 90 Bay Street.
TORONTO WORKS: Leslie Street and Eastern Avenue.

MONTREAL OFFICE: 572 William Street.
MONTREAL WORKS: Lachine Canal and William Street.

GOOD HARDWARE SPECIALTIES.

THE up-to-date hardware dealer is ever on the watch for new specialties, which are likely to be of use to his customers, and therefore to increase his trade. The attention of such dealers is directed to the Adams Company, Dubuque, Ohio, who are wideawake, enterprising manufacturers of specialties.

This firm's catalogue for 1899 contains illustrations and descriptions of many articles which might well be included in the

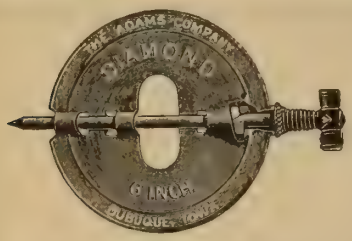


Patented December 22nd, 1896.
EXTENDED.
4 x 11 to 6 x 21.

hardwareman's or tinsmith's stock. In this week's issue, illustrations of a few of these are published.

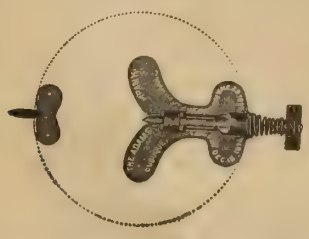
A view of their Diamond extension front grate when extended is given. The advantages claimed for this grate are that it can be extended to fit almost any cook stove, coal or wood. It adjusts in height from 4 to 6 in., and in length from 11 to 21 in.

Any stove with a turnover damper can be fitted with the Diamond adjustable cook



stove damper. As it can be easily put in place without taking the stove apart, and as the blade, which can be moved to any place on the handle, can be extended from 5½ to 9 in. in length, and from 2 to 3½ in. in height, this damper should be a serviceable and practical one.

The illustrations of the Diamond stove pipe damper and the Diamond damper clip show the good points of both so well



that detailed description of them is unnecessary.

The two cuts showing the Diamond vise extended to 12 in. and with drill attachment are of a series that this firm offer to supply their customers for advertising purposes. This firm also make stove backs, pipe shelves, stove covers and lifters, cylinder heads, floor and ceiling plates, tool brackets, griddles, etc. Their catalogue can be had on application.

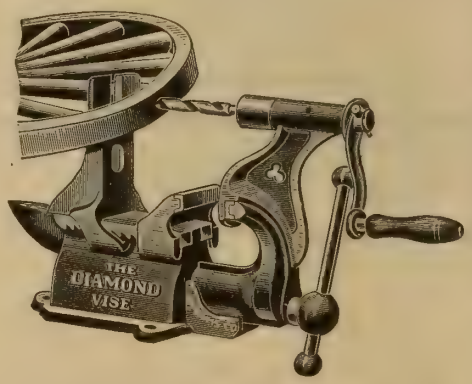
GLASSLESS MIRRORS.

A German genius fills a long-felt want by providing mirrors which will not break. He simply employs celluloid where glass was heretofore used. A perfectly transparent, well-polished, celluloid plate receives a quicksilver backing like that of a glass mirror. This backing is, in turn, protected by another celluloid plate, which also mirrors, so that, practically, a double mirror is furnished, lighter, cheaper, and more lasting than glass.

CANADIAN PRODUCTS WANTED.

The following were among the inquiries relating to the Canadian trade received at the Canadian Government Office in London during the week ending November 24 :

A firm in the Midlands, having a connection with the manufacturing confectionery



trade throughout England and Ireland, wish to be placed in communication with Canadian producers of fruit pulps.

The names of Canadian exporters of eggs in large quantities are asked for by a Glasgow firm.

A Scotch firm, largely interested in the export of Canadian goods, such as furniture, woodenware, hardware, provisions, etc., desire to extend their business in the export of Canadian goods to British India and the Cape, and are therefore open to hear from houses which may wish for their cooperation.

A firm in Glasgow is desirous of being placed in communication with importers of cast iron pipes. They are now making specially for the Canadian market the following sizes : 2 x 5 feet, 20 lb. each ; 3 x 5 feet, 30 lb. each ; 4 x 5 feet, 45 lb. each ; 5 x 5 feet, 85 lb. each ; 6 x 5 feet, 100 lb. each ; light 4 x 5 feet, 32 lb. each.

Another Scotch house, which is extensively engaged in the manufacture of cableways, hoisting and conveying devices, cranes, winding engines, stone and granite working machinery, asks to be referred to parties in Canada who would be likely to use such goods.

Inquiry is made by a firm of mining machinery manufacturers respecting the



demand for steam thawers and other similar machinery in the Yukon Territory and elsewhere.

Information in regard to any of the above paragraphs sent to HARDWARE AND METAL will be forwarded to destination.

SHOW WINDOWS.

The show windows are to most people, consciously or unconsciously, the index to the character of the shop, remarks a writer in Ironmongery. They see in them, and intuitively store away in their memories, the business methods of the tradesman. Dust-covered articles betray a conservatism and a solidity of character, which, whilst perhaps scrupulously honest and worthy, does not invite the purchaser. A poorly-arranged display is equally unsatisfactory to a possible buyer. The subject is worth the attention and constant study of many of our ironmongers. Strangers in towns are proverbial sightseers, and shop windows are their delight. If they scent a bargain or discover the attractive, they hover around the window like flies around sugar. It is very easy, while strolling up a business street, to pick out the wide-awake, industrious tradesmen by the attention their shop windows attract. Have you bargains for your customers ? Then put them in the windows, and place the prices upon them ! This plan will not only sell the articles for you, but many other articles from your staple stock. Not only should the windows be tastefully



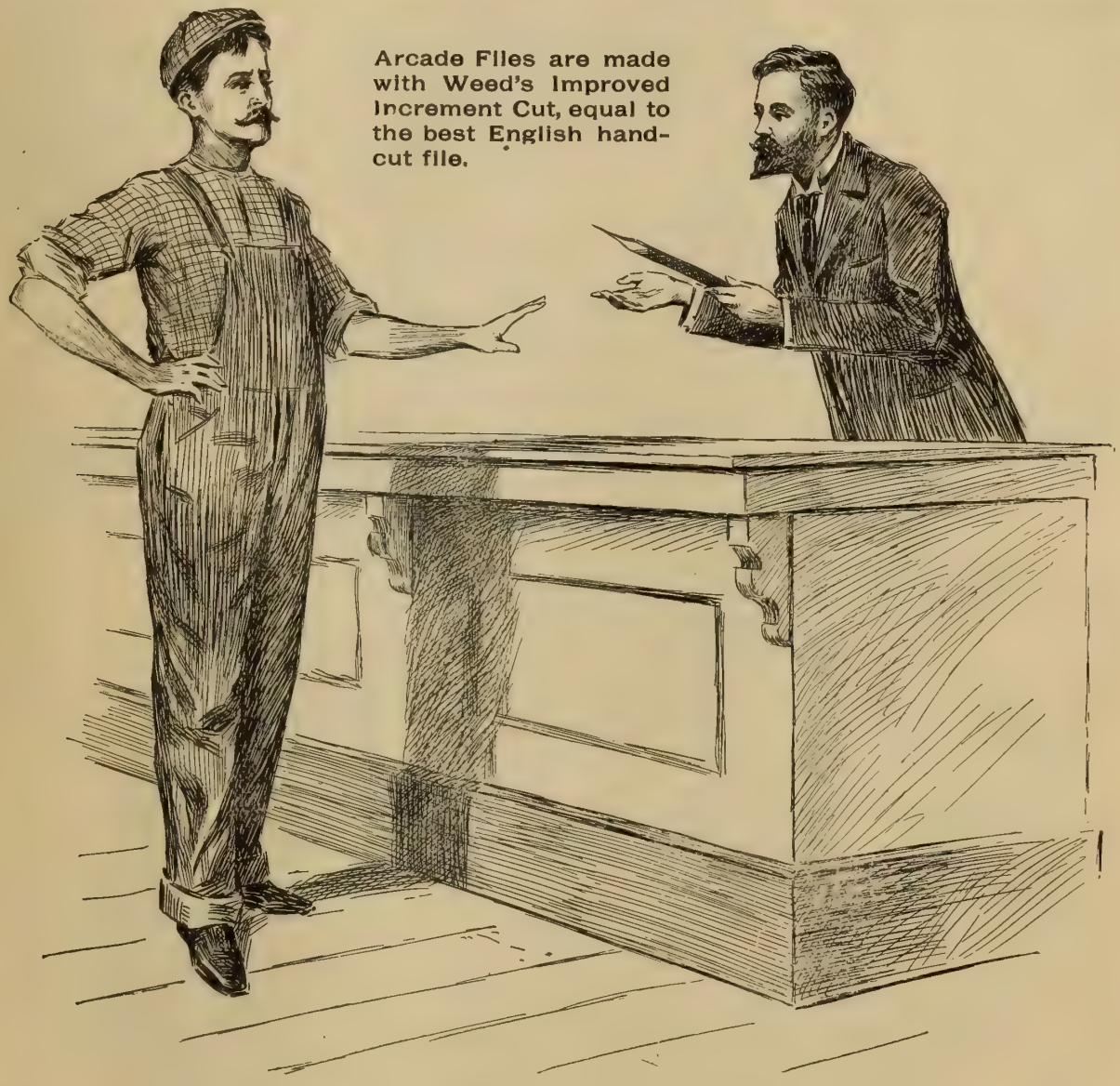
dressed, but they should be frequently changed. Do not begrudge the time and labor thus employed. It is as seed cast upon the waters, which, in its time, will bring good returns, and you will gain the reputation of being able, by your genius of apprehending and satisfying the people's demands.

The WORLD'S GREATEST FILE WORKS

ESTABLISHED 1842.

There is no other file "just as good."

THE ARCADE IS THE BEST



Arcade Files are made with Weed's Improved Increment Cut, equal to the best English hand-cut file.

"I want an ARCADE file."
"We are all out of ARCADE files. Try this; it is just as good."
"No, Sir. I want the ARCADE. It cuts faster and wears longer than any other file made."

THE ARCADE FILE WORKS

NEW YORK:
97 Chambers St.
SAMUEL W. ALLERTON,
President.

Works: ANDERSON, IND.
COURTLANDT C. CLARKE,
Sec. and Treas.

CHICAGO:
118 Lake Street.
ALFRED WEED,
Vice-President and Gen'l Mgr.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

TAILLOR, ANGER & FRERE, general merchants, Ancienne Lorette, Que., have compromised at 40c. on the dollar.

Wm. Nelles, harness dealer, Dresden, Ont., has assigned to A. Smith.

S. B. Patton, general merchant, Oxford, N.S., is offering 50c. on the dollar.

Joseph Gouin, general merchant, East Arthabaska, Que., has assigned to Lamarche & Benoit.

Amiro Bros., general merchants, Lower East Pubnico, Que., have assigned to E. H. Armstrong.

V. E. Paradis has been appointed curator of Alex. Blair and of Lacombe & Co., both general merchants, Chicoutimi, Que.

Cleophas Bernier, general merchant, St. Raymond, Que., has assigned, and V. E. Paradis has been appointed provisional guardian.

Paul McNally, general merchant, Campbell's Bay, Que., has assigned, and a meeting of creditors will be held on December 19.

L. O. Couture, general merchant, St. Gedeon (Chicoutimi Co.), has assigned, and V. E. Paradis has been appointed provisional guardian.

PARTNERSHIPS FORMED AND DISSOLVED.

Fournier & Frere, manufacturers of wine, Ste. Rosalie, Que., have dissolved.

Lantagne & Provencher, general merchants, Plessisville, Que., have registered partnership.

Arthur and Octave Poitras have registered partnership under the style of Poitras & Poitras, general merchants, Victoriaville, Que.

Geortzen, Dyck & Co., general merchants, Winkler, Man., have dissolved, P. Dyck continuing.

Heyden & Reitz, general merchants, Winkler, Man., have dissolved, E. O. Rietz continuing.

Arthur Hebert and Theophile Caron have registered partnership as dealers in agricultural implements, in St. Maurice, Que.

Alex. Ferguson and Arthur Cox have registered a partnership under the style of Ferguson & Cox, boiler makers, Halifax.

SALES MADE AND PENDING.

McGregor & Co., general merchants, Westville, Que., are selling out.

The stock of M. Laganiere & Cie., general merchants, St. Alban, Que., has been sold at 51c. on the dollar.

Jas. Mearns, general merchant, Koksilah Station, B.C., is offering to sell out.

Thomas Matthews, wagonmaker and blacksmith, Fernhill, Ont., has sold out his blacksmith business to Robert Beirnes.

The assets of E. D. R. Phillips, general merchant, Bath, N.B., have been sold.

T. B. Hopkins, blacksmith, North Toronto, is advertising his business for sale.

Wm. Laidlaw, general merchant, Durham, Ont., is advertising his business for sale.

Lorenza Banghart, general merchant, Palmyra and Clearville, Ont., is advertising his business for sale.

CHANGES.

James W. Wylie, sawmiller, Almonte, has been succeeded by Alex. C. Wylie.

M. L. Menard, wagonmaker, Belle River, Ont., has been succeeded by J. Benoit.

Mrs. S. C. Bell, general merchant, Baldur, Man., has sold out to W. T. Bremmer.

H. V. B. Farnsworth, general merchant, Aylesford, N. S., has sold out to C. H. Clements.

Charles R. Eden, general merchant, Gladstone, Ont., has been succeeded by W. A. Barons.

James Tighe has registered as proprietor of J. Tighe & Co., harness dealers, Parrsboro', N.S.

Wm. Elder, dealer in agricultural implements, Hensall, Ont., has sold out to Donald Burns.

J. Halenback, general merchant, Olds, N.W.T., has been succeeded by John Sharples, Calgary.

Mrs. Wilfrid Granger has registered as proprietress of W. Granger & Co., hardware dealers, etc., Montreal.

Alphonse Benoit, wife of Cyrille Sicotte, has registered as proprietress of a coal and wood business in Montreal, under the style of Madame Cyrille Sicotte.

Toombs & Co., general merchants, Carman, Man., have sold their stock to Bates & Emerick, and the remainder of their business to D. J. Graham.

FIRES.

The McLaughlin Carriage Co., manufacturers of carriages, etc., Oshawa, Ont., have been burned out; partially insured.

DEATHS.

James E. Burns, general merchant, Ridgetown, N.S., is dead.

Robert Farquhar, of Farquhar Bros., tinsmiths, etc., Halifax, is dead.

Fred. L. Parmenter, of The Parmenter & Bullock Co., Limited, manufacturers of rivets, etc., Gananoque, Ont., is dead.

Hon. Thomas Ballantyne, of Stratford, has resigned the presidency of The Farmers' Binder Twine Co., of Brantford, but will remain on the board of directors. He is succeeded as president by Mr. Samuel Harold, of Brantford.

RECENT INVENTIONS.

Marion & Marion, solicitors of patents, New York Life building, Montreal, state that the United States patent office has been unusually busy granting patents to inventors for new and useful inventions. Some of them are as follows: A machine for plucking pelts or beating the hair off hides or furs. Clamp for overshoes, so as they will not slip up and down on the heel of the shoe. A very valuable device for the newspapers, consisting of a galley so arranged that the printer can put late news on his press, using a rotary cylinder for the purpose. A very handy little opener for envelopes, shaped very much like a can-opener, to run along the edge of an envelope, and warranted not to miss when the end is started rightly. The making a cigar by machine has been facilitated considerably by a device for bunching or filling, something the cigarmaker has tried a long while to accomplish. Quite a novelty for boiling eggs, so arranged with an alarm as to ring a bell so hung on a wire when the egg is wanted soft the bell vibrates a little, and when the egg is wanted to be boiled hard the bell is set in motion violently. Self lubricating journal in which a box containing grease is so arranged inside of a bearing as to revolve with the shaft and lubricate it. A car for carrying poultry on the railroad, or, in other words, a poultry car, divided into tiers of coops separated by a longitudinal aisle.

A CREDITABLE BRASS CASTING.

The bronze tablet recently placed in the Toronto armouries to the memory of our fallen heroes of the Battleford column, Northwest Field Force, was unveiled Sunday last, December 10, by His Excellency, the Governor General.

The tablet is the work of The James Morrison Brass Manufacturing Co., Limited, Toronto, to whom considerable credit is due for the excellent manner in which the details of casting have been brought out. It was cast from an old gun presented by the Militia Department of the Dominion. The finished work weighs 800 lb. The design is a work of art by Colour-Sergt. C. P. Lennox, Q.O.R.

N. S. COAL FOR BOSTON.

The Dominion Coal Company has, according to a Nova Scotian paper, closed a contract, said to be one of the most advantageous it has ever made, for the delivery of 100,000 tons of coal in Boston within the next two or three months. There is great scarcity of coal in New England, owing in part to the scarcity of shipping, and it is said that but for Cape Breton a coal famine would be feared at Boston.

. . THE . .

"Good Cheer Art"

BASE BURNER

. . FOR 1899.

THE MOST ATTRACTIVE AND BEST GRADED MEDIUM-PRICED BASE BURNER UPON THE MARKET.

ITS HEATING CAPACITY AND ECONOMY OF FUEL ARE UNEQUALLED.

THE FIRE POT CAN BE EASILY REMOVED THROUGH THE SIDE DOORS.

THE MOUNTING, FINISH AND OPERATION OF THIS STOVE ARE GUARANTEED TO BE FIRST-CLASS IN EVERY PARTICULAR.



It has The Improved Ransom Duplex Grate

All Body Nickel Work is Self Mounting

WITH AND WITHOUT OVEN.

EVERY STOVE A DOUBLE HEATER. EVERY OVEN OF SHEET STEEL.

THE JAMES STEWART MFG. CO., LIMITED, WOODSTOCK.

HEATING AND PLUMBING

HOT WATER CIRCULATION.

IN reply to a question sent in by W. A. Laughrey, Amherst, N. S., the Plumbers' Trade Journal recently had the following :

"The arrangement for circulating hot water to a point below the level of the boiler, will not give satisfactory results, for the circulation will be too slow altogether for you to obtain a reasonably high temperature in the coil. There will be a little circulation of course, but it will be very sluggish, indeed ; so sluggish, in fact, as to be useless for heating purposes.

"You can warm this coil in two ways : First, by running the hot water flow pipe up as high as possible, say, up to the expansion tank, making this the highest point and leaving an air vent off here to prevent air lock. Then returning back and down to the coil in the basement, which forms a loop like that one you show, only very much higher and consequently more effective.

"Second, by allowing the water from the radiators on the floors above to circulate down through the low coil to be heated, thus warming it with the water which has already given off part of its heat in the radiators above.

"A very simple arrangement we give as follows : We have three radiators on the first floor supplied by three separate flow pipes, but the return pipes from these radiators join together into one common return pipe, which drops down by the coil in the basement, and is connected to it with a switch valve or three-way cock. This valve is so arranged that the return water can either flow through the coil or pass it via the "by-pass" pipe according to the position of the valve. When the disc is in position the valve shuts the coil and opens the by-pass. This valve is so arranged that the return current can be split, thus sending any portion through the coil or the by-pass as you see fit.

"The chief objection to this arrangement, however, is the fact that if the three radiators are shut off you cannot obtain circulation in the coil. If the radiators are not all closed at the same time, you will have a good chance to have first class results with the coil. Some heating men connect by-passes at the radiators under the floor for the purpose of causing a constant circulation, whether the radiators are shut off or not, thus forming what we call closed circuits, which operate all the time. Of course, in this as in all other arrangements, you must proportion the pipes properly. The sizes are only given to show how the returns should be enlarged as the branches come into it. We do not say that these are the sizes for your job. You must determine them yourself."

PLUMBERS' WIPING CLOTHS.

In answer to an inquiry, The Plumber and Decorator, London, Eng., gives the following information on making plumbers' wiping cloths, which will be of interest to Canadian plumbers in showing the difference in the size of joints and cloths used abroad :

"A pair of old fustian or moleskin trousers make the best cloths, but, failing these, new moleskin can be used. The new material should be thoroughly washed to take out the dressing and make it soft ; it should then be cut out and folded to the sizes given in the table below, and a little touch or tallow rubbed on the working side. With new material the nap is rather long and the solder clings to it, but by slightly scorching it with a hot iron or gas flame this does not take place quite so much. The fustian should be cut into strips, the width being equal to the length of the wiping cloth, and folded with the under grain of the material in the direction of the wipe when using it. The edges should be free and the top corners only tacked with sewing thread.

Diameter of pipe in inches.	Length of joint, in inches.	Size of cloth in inches. Underhand.	Upright.	No of folds in thickness.
½	2½	3½ x 3½	3½ x 2½	5
¾	2¾	4 x 3½	3½ x 3	6
1				
1¼	3	4½ x 4	4½ x 3	7
1½				
2	3¼	4½ x 4½	4½ x 3	8
3	3½	5 x 4½	5 x 3	9
4	3½	6 x 4½	5 x 3½	10
5	3¾	7 x 5	5 x 3½	11
6	4	8 x 6	5½ x 3½	12

PROTECTING PIPES.

Several methods are in use in the States for the protection of exposed service pipes from the rigors of the American winter. Straw wrapping and boxing are frequently resorted to. Another method is to make the exposed section of larger size and to connect it to the service proper and to the riser by reduced couplings eccentrically tapped and attached to the upper side of the circle, to permit the lower portion of the enlarged pipe to fill up, while still leaving a gas-way at top. Another way is to employ an inner tube in the enlarged section, open at each end and centered in the larger pipe by a "spider" or similaar support. This permits the annulus between the pipes to fill up completely with frost or ice, and such deposit is an excellent insulation from the further effects of cold. One manager who has employed this method says that a service which had previously required the daily application of alcohol went through a severe winter without attention. The same principle may be applied on lamp-risers by taking a ¼-inch pipe of the length of the riser, separating or "saw-toothing" its lower end, and dropping it down the riser.

MAGNALIUM : A NEW ALLOY OF ALUMINUM.

Dr. Ludwig Mach has successfully alloyed aluminum with magnesium, and thereby obtained a compound which can be worked like brass, and which is lighter still than aluminum. He calls it magnalium. These two metals, says Engineering, are fitted for union. Their densities are : Magnesium, 1.75 ; aluminum, 2.75. They both melt at 800 degrees C, and their dilatations amount to 0.023 and 0.027 mm. per meter and per degree centigrade. The metallurgical properties depend upon the composition of the alloy. A 10 per cent. magnesium alloy resembles zinc ; a 15 per cent. alloy is like brass, and a 25 per cent. like a compound bronze. The alloys can be soldered, it is stated, though that point does not appear to be fully settled, keep well in dry and damp air, and give good castings. The well-known scientific instrument maker, Fuess, speaks favorably of some magnalium samples with from 10 to 12 per cent. of magnesium submitted to him. The alloy is almost as white as silver, and sufficiently hard to cut aluminum with a sharp-edged piece of magnalium. It can be turned, bored, etc., quite as well as brass, and clean and neat threads of ¼ mm. pitch can be cut with ease. It does not file so readily as brass, but is superior in this respect to copper, zinc, and aluminum. Magnalium is suitable for lens mountings, and would make good divided circles and arcs for instruments in which light weight is a consideration.

TORONTO BUILDING PERMITS.

Building permits have been isuued in Toronto to the Imperial Bank of Canada, for alterations to a factory on the south side of Esplanade street, below St. Lawrence market, to cost $1,600, and to The William Davies Co., Limited, for a one-storey and basement brick store, at No. 485 Parliament street, to cost $3,500.

TO IMPROVE HAMILTON PLUMBING.

THERE is an agitation for a better plumbing by-law and the appointment of an inspector in Hamilton, Ont. On Thursday evening, December 7, Aldermen Hill, Reid and Findlay, a sub-committee appointed by the council to consider the proposals, met and examined a bundle of similar by-laws in force in other cities. They found many provisions of these measures that it would be desirable to enact, and some that would not be suitable for that city.

The proposal to appoint an inspector was favorably considered, and it was decided to recommend the appointment of an inspector of plumbing, whose salary would be paid by the fees charged for his services, which would not increase the civic expenditure. The committee meet again this week to prepare a by-law to define the duties of the inspector.

PLUMBING AND HEATING NOTES.

The Truro, N.S., Knitting Mills Co. are negotiating in reference to putting up a modern brick building to cost $15,000.

An acetylene gas plant has been installed by N. Dittrick, Perth, Ont., in the Presbyterian church, Lanark, Ont.

A building permit has been issued in Hamilton, Ontario, to E. B. Patterson, for a transforming station on Victoria avenue for the Cataract Power Co., to cost $8,000.

McLennan, McFeely & Co., Vancouver, have had passed by the city engineer the plans for their new block on Pender street, near the C.P.R. track. The building is a three-cornered one, constructed so that it will be very convenient from the railway line.

Smith Bros., of Central Blissville, are building a two-storey dwelling house and a store 22 x 40 feet at Blissville, N.S. Austin De Witt is the head carpenter.

THE PLUMBER'S LOAD OF WOOD.

A Portland, Me., plumber, says The Telegraph, has lost faith in a man who deals in wood. A few days ago a rustic from the country drove up in front of his establishment and said :

"Say, you don't want to buy a load of wood, do you?"

The plumber allowed that if it was the right kind of wood and the price was right they might do business.

The rustic said that there was no better wooden wood to be had in this vicinity, and to prove it he took the plumber out and showed him the load. It certainly did look nice. It was clean and the load did look as though there was lots of it. It didn't take a great while to strike a bargain, and the farmer began unloading the wood and carrying it into the cellar. The plumber looked out of the window and was surprised that that farmer had got the art of piling wood down to a science. It was crossed and recrossed and put together in such a style that 20 sticks looked like a formidable wood pile.

The plumber saw that he was stuck, because he looked at the load and had agreed to give so much for it as it was on the team. It did not take the shrewd rustic long to unload it, and there was a smile on his face as he collected the money.

HE SMELLED DUMPLINGS.

"Why didn't you come home to dinner?" remarked Mrs. Binks the plumber's wife to the young helper she was bringing up.

Young Helper—"I had my dinner, ma. I took dinner with Willie Minks."

"Did Mrs. Minks invite you?"

"Yes, ma. I smelled apple dumplings cooking and I told her I liked apple dumplings awful."

"Oh, you did?"

"Yes'm. Then she said maybe if I went home I'd find you had apple dumplings for dinner too."

"Humph!"

"Yes'm. But I told her yours was always so heavy pa wouldn't let me eat any, and then she invited me to sit down."—Plumbers' Trade Journal.

W. K. ROGERS TO RETIRE.

In the issue of November 25, it was stated that Rogers & Rogers, bicycle dealers, Summerside, P.E.I., had dissolved, and that W. K. Rogers would continue the business. The firm write, instead of continuing, W. K. Rogers will retire, he having been appointed by The Canada Cycle Motor Co., their manager in the Maritime Provinces, with headquarters in St. John.

First Lady—"What New Year's present are you going to give to your husband?"

Second Lady—"A hundred cigars."

First Lady—"And what did you pay for them?"

Second Lady—"Oh, nothing! For the last few months I have taken one or two out of Jack's box every day. He hasn't noticed it, and will be pleased with my selecting the right quality of cigars."

OVERALLS OFF!

You can rise to a high position if you will. All it requires is ambition and willingness on your part to study "between times." Our booklet, **What Students Say,** shows what is being done for thousands of people through our course of

EDUCATION BY MAIL

in Electrical, Mechanical, Steam, Mining, Civil Engineering; Metallurgy, Art, Architecture, Practical Newspaper Work, English Branches, Stenography, Machine Design and Mechanical Drawing. Low price; easy terms.



Sent free to those who enroll now, a complete Drawing Outfit worth $11.10, or other premiums.

Mention subjects interested in when writing to

The United Correspondence Schools,
154-156-158 Fifth Ave., New York,
for Catalogue No. 108.

FOR SALE.

A NEW MARLIN RIFLE

Never been used. Just the Rifle for practice. Price $30. Will take $20.

19 Board of Trade, Montreal.

The Syracuse Smelting Works

ARE MANUFACTURERS OF

Plumbers' and Tinsmiths' Solder

of highest quality. Highest market prices paid for old Brass and Copper.

SYRACUSE SMELTING WORKS

MONTREAL.

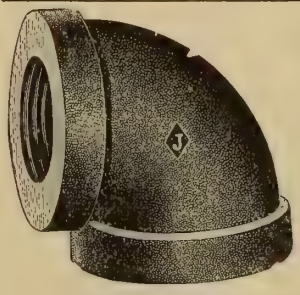
Sizes, ⅜ and ½-inch.



Cheapest IN THE WORLD.

J. M. LITCHFIELD
105 Beekman St., New York.

Made with 1½-inch shank with thread and nut.



IRON PIPE FITTINGS

Special Fittings made to order.
Supplies for Heating Contractors.

The James Morrison Brass Mfg. Co., Limited.
TORONTO.

PERSONS addressing advertisers will kindly mention having seen their advertisement in Canadian Hardware and Metal Merchant.

Toronto Foundry Co.

Manufacturers of SOIL PIPE, FITTINGS, SINKS, BOILER STANDS.

Nos. 146-148-150 Niagara Street, TORONTO

The only Exclusive Manufacturers of Soil Pipe and Soil Pipe Fittings in Canada. . . . . .

All goods stamped T. F. Co. are warranted



EMERY

Cloth and Paper.
Glass and Flint Paper.
"Atlas" Brand

"FLORA" Knife Polish, in 3d., 6d. and 1/ tins

Ground, Washed and Flour.

WHEELS of highest quality for general and special purposes.



Write for Latest Catalogues and Samples to

THE LONDON EMERY WORKS CO., 10-12 Vine Street Clerkenwell, LONDON, E.C.

Agent in Canada—MR. T. L. PATON, 30 St. Francois Xavier Street, Montreal, P. O. Box 903.

EVOLUTION OF FISHHOOKS.

MEN have doubtless been fishers from very remote times, says L. G. Gates in Popular Science. Hunger would teach them to catch fish as well as to hunt mammals, but, while the evidences of the latter are so abundant, in the shape of stone weapons, the weapons or implements used for catching fish, being made of less durable material, have disappeared. The exceptions to this general statement are the few instances where fishhooks made entirely of stone, or of a combination of stone and wood, or bone, have been preserved with the other implements of similar material.

Fishhooks of silicious material have not been found in America, but hooks composed of flint or chalcedony and bone have been found in Greenland.

The invention of rude implements to facilitate the catching of fish would not require the exercise of any great ingenuity or mechanical skill. From watching the fish snap at or swallow objects thrown in the water the idea of tying some tempting bait on the end of a string and throwing it into the water, to be seized and swallowed by the fish, which could then be pulled out by means of the string, would be very simple, and from this to the earliest known attachment for making the capture of the fish more certain, that of attaching a sliver of wood to the end of the string or line, in such a way that any attempt at escape on the part of the fish would make its capture more certain, was very easy.

Afterwards, pieces of bone or wood, sharpened at each end, and sometimes grooved in the middle, to keep the string from slipping, were evolved.

Implements of this character are still used by the Eskimos for catching sea gulls and other water fowl. A cord made of braided grass 15 or 18 inches long, is looped around the groove in the bone and fastened to a trawl line, kept extended by anchored buoys, the bone being baited with small fish, into which the implement is inserted lengthwise. The trawl lines are placed near the breeding places of the birds, and would be equally effective in the capture of certain kinds of fish.

As man gained experience and advanced in knowledge, other forms of implements would be evolved, better suited for the purpose, but, with the exception of better material being used in the manufacture, the fishhooks of the civilized nations of to-day are but little in advance of those used by savage races and prehistoric peoples.

Prehistoric fishhooks of bronze, and others made from the tusks of the wild boar, are found in the Swiss lakes. Another form of bronze fishhook, found in the Lake of Morat, is almost identical in form with those used to-day. Clipped flint fishhooks are found in Sweden. Among the aborigines of Wisconsin, native copper was used in the manufacture of various weapons and implements, and fishhooks of beaten copper have been found in some of the mounds of that region.

AS OTHERS SEE US.

Our special commissioner, when in Canada last year, was one of the first observers to predict that Canada was destined to be an export manufacturing country. So much was he impressed with this that he wrote a series of articles on "Canadian Industries." Events are traveling quicker than even he imagined, and now we read that the Canadian Government will shortly appoint two Special Commissioners of Commerce to visit the leading countries of Europe, and take all the necessary steps for the development of trade between them and Canada. This is good business. The moral is one we are constantly emphasizing. It is that the biggest buyers from Canada will also become the greatest sellers. If Great Britain can go on buying from Canada in increasing quantities, it is certain that reciprocal purchasing will ensue. Free trader, fair trader, or protectionist, will recognize this as an economic truism; but they don't carry it into effect with persistent regularity.—Hardwareman, Birmingham.

TRADE CHAT.

FRANK PEDLEY, Dominion Superintendent of Immigration, estimates that more than 15,000 citizens of the United States have permanently settled in the Canadian Northwest this summer.

A Hamilton despatch says The Still Motor Co., of Toronto, has an electric vehicle in that city, and it is said that if $75,000 in stock is subscribed in Hamilton the company's factory may be brought to that city.

An Avonbank, Ont., correspondent writes: "There is a general impression that a blacksmith could do a very large business at our corner. Anyone looking for a site would do well to consider the possibilities of this locality."

The St. Lawrence Motor Co., Limited, is in process of organization in Cornwall, Ont., for the purpose of manufacturing the Weller launch motor, an invention of J. L. Weller, C.E. Cornwall Council has been asked for a free site.

A new mill will be constructed by E. H. Heaps & Co., machinists, etc., Vancouver, next to that firm's shinglemill. The new department will be 80 feet long and 50 feet wide, and will be equipped in first-class shape for doing a large business.

AN INSULT.

"I wuz never so insulted in me life," exclaimed Tired Tom, throwing himself under the shade of a friendly tree.

"What's de matter now, pard?" asked Weary Walker, "someone point to de buck saw?"

"Well, about de same t'ing. A man offered me a steady job dis mornin'."

"Dat wuz a insult, fer yer life."

"Yep: an' de wust uv it wuz dat it wuz a job in a soap factory."—Chicago Post.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, **Montreal.**

Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates Galvanized Sheets, Imitation Russia Sheets Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.



VanTuyl & Fairbank

Petrolia, Ont.

Headquarters for . .

Oil and Artesian Well Pumps, Casing, Tubing Fittings, Drilling Tools, Tables, etc.

R. C. LEVESCONTE

Barrister, Solicitor, Notary, Etc.

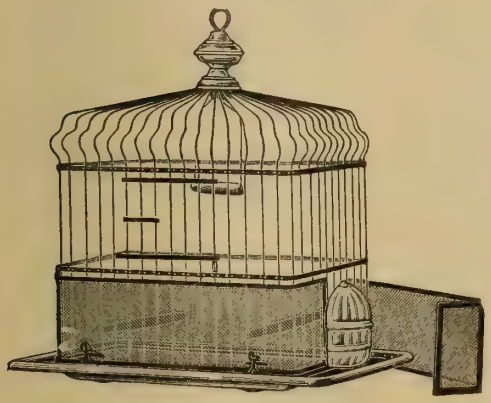
THE MCKINNON BUILDING
Cor. Jordan and Melinda Streets

. . . TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.

E. T. WRIGHT & CO.,

Mfrs., Hamilton, Ont.



See Our Improved Detachable Wire Guard.

TRADE MARK J REGISTERED.

"JARDINE"

TIRE UPSETTERS

WILL UPSET TIRES

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.

HESPELER, ONT.



PATENTED.

Standing Seam and Slate Roof

SNOW SHOE IRONS



No snow rails need be used unless desired. The lugs clinch through the seam easily but securely. Send for catalogue.

Berger Bros. Co.,

Mfrs. of TINNERS' HARDWARE AND ROOFERS' SUPPLIES,

Philadelphia, U.S.A.

HARRINGTON & RICHARDSON ARMS CO.

WORCESTER, MASS., U. S. A.

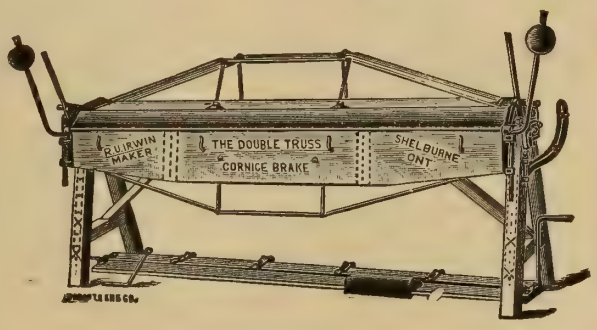


Makers of

High Grade REVOLVERS

SEND FOR COMPLETE CATALOGUE.

For sale by Sporting Goods and Hardware Stores almost everywhere.



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

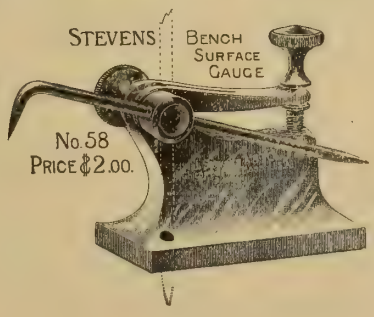
Price, $50

Very handy beader attachment, $10 extra if required.

Send for circulars and testimonials to

The Double Truss Cornice Brake Co. SHELBURNE, ONT.

STEVENS ...FINE TOOLS



We make a perfect line of

CALIPERS and DIVIDERS

Also such tools as Surface Gauges, Tool Makers' Clamps, Center Punches, etc.

Write for our New Catalogue containing a description of our Tools. It is also a valuable hand-book of information for mechanics and people interested in such lines.

J. Stevens Arms & Tool Co.

P.O. Box 216, Chicopee Falls, Mass, U.S.A.

Carried by our representatives at Toronto and Montreal.

HUTCHISON, SHURLY & DERRETT

DOVERCOURT TWINE MILLS.

1078 BLOOR STREET WEST TORONTO.

Having equipped our Factory with entirely new machinery, we are prepared to furnish the best made goods in the market at closest prices and make prompt shipments.

Hand Laid Cotton Rope and Clothes Lines,
Cotton and Russian Hemp Plough Lines, plain and colored.
Cotton and Linen Fish Lines, laid and braided.
Netted Hammocks, white and colored, Tennis and Fly Nets.
Skipping Ropes, Jute, Hemp and Flax Twines.

CORPORATE MARK

JOSEPH RODGERS & SONS, Limited.

MANUFACTURERS OF

Pocket and Table Cutlery, Scissors, Razors, Erasers, Etc.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for Canada,

JAMES HUTTON & CO., - - Montreal

CURRENT MARKET QUOTATIONS.

Dec. 15, 1899.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—	
56 and 28 lb. ingots, per lb.	0 35
Straits	0 35

Tinplates.

Charcoal Plates—Bright.

M.L.S., equal to Bradley.	Per box
I.C., usual sizes	$6 50
I.X., "	7 75
I.X.X., "	9 00
J. R. & Co.—	
I.C	6 00
I.X	7 25
I.X.X	8 50
Famous—	
I.C.	6 25
I.X.	7 50
I.X.X	8 75
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	5 75
I.X.X. "	6 50
I.XXX., "	7 25
D.C., 12½x17	4 50
D.X	5 25
D.X.X	7 25

Coke Plates—Bright.

Bessemer Steel—	
I.C., usual sizes	4 35
I.C., special sizes, base	4 50
20x28	8 75

Charcoal Plates—Terne.

Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 50
I.X., Terne Tin	10 50

Charcoal Tin Boiler Plates.

Cookley Grade—	Per lb.
X X., 14x56, 50 sheet bxs	
" 14x60 "	0 07 0 07½
" 14x65, "	

Tinned Sheets.

72x30 up to 24 gauge	0 08 0 08½
" 26 "	0 08½ 0 09
" 28 "	0 09 0 09½

Iron and Steel.

	Base	Price
Common Bar, per 100 lbs	2 35	2 45
Refined " "	2 85	2 95
Horse Shoe		2 65
Hoop steel, 1½ to 3 in. base, extras for smaller sizes		3 00
Swedish " "	4 00	4 25
Sleigh Shoe Steel " base		2 70
Tire Steel		2 70
Machinery		2 65
Cast Steel, per lb	0 10	0 14
Toe Calk Steel		3 25
Thos. Firth & Sons' Cast Steel	0 12	0 14
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker.	3 00	3 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½-inch	0 11
2 "	0 12
2½ "	0 14
"	

Steel Boiler Plate.

¼ inch	3 25
3-16 inch	3 40
⅜ inch and thicker	3 25

Black Sheets.

18 gauge	3 00
20 gauge	3 00
22 to 24 "	3 10
26 "	3 20
28 "	3 35

Canada Plates.

All dull, 52 sheets	3 25
Half polished	3 35
All bright	3 85

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ⅜ inch $3 67 ; ½ inch, $3.70 ; ¾ inch, $4.20; 1 inch, $5.90; 1¼ inch, $7.85; 1½ inch, $9.75 ; 2 inch, $13.00. 2½ to 6 inch, discount 45 p.c.

Galvanized, ½ inch, $6.50; ¾ inch, $8.00 : 1 inch, $11.50 ; 1¼ inch, $16.00 ; 1½ inch, $20.00 ; 2 inch, $28.50.

Galvanized Iron.

	G C. Comet.	Amer.	Queen's Head
16 gauge		4 35	4 25
18 to 24 gauge	4 50 3 80	4 35	4 50
26 "	4 75 4 10	4 35	4 75
28 "	5 00 4 35	4 60	5 00

Less than case lots, 25c. per 100 lb. additional.

Chain.

Proof Coil, 3-16 in., per 100 lb	
" ¼ " "	8 25
" 5-16 " "	6 25
" ⅜ " "	5 50
" 7-16 " "	5 30
" ½ " "	5 10
" ⅝ " "	4 90
" ¾ " "	4 85
Halter, kennel and post chains, 40 and 50 p.c.	
Cow ties	40 p.c.
Stall fixtures	35 p.c.
Trace chain	25 and 5 p.c.
Jack chain, iron, single and double, discount 35 p c.	
Jack chain, brass, single and double, discount 40 p.c.	

Copper.

	Ingot	Bolt or Bar.
English B. S., ton lots	0 20	0 21
Lake Superior		

Cut lengths, round, ½ to ⅞ in.	0 23½ 0 25
" round and square 1 to 2 inches	0 23½ 0 25

Sheet.

Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 23 0 23½
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 23 0 23½

NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.

Tinned copper sheets	0 26
Planished	0 32

Braziers. (In sheets.)

4x6 ft. 25 to 30 lbs. ea., per lb.	0 25½
" 35 to 45 " "	0 24½
" 50-lb. and above, "	0 23½

Boiler and T. K. Pitts.

Plain Tinned, per lb	0 28
Spun, per lb	0 32

Brass.

Roll and Sheet, 14 to 30 gauge. 5 per cent.	
Sheets, hard-rolled. 2x4	0 24 0 25
Tubing, base. per lb	0 24 0 25

Zinc Spelter

Foreign, per lb	0 07 0 07¼
Domestic "	

Zinc Sheet.

5 cwt. casks	0 08
Part casks	0 08¼

Lead.

Imported Pig, per lb	0 04¾ 0 05
Domestic, per lb	
Bar, 1 lb	05
Sheets, 2½ lbs. sq. ft., by roll.	0 05¼ 05½
Sheets. 3 to 6 lbs., per sq. ft., by roll	0 05 0 05¼

NOTE.—Cut sheets ½ cent per lb. extra

Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 17½ per cent. discount	

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths, lists at 7½ cents.

Shot.

Ordinary, drop, $5.25 per 100 lb. ; chilled $5.50 per 100 lb. F.O.B. Toronto ; terms 3 per cent cash, freights equalized on Montreal.

Soil Pipe and Fittings.

Discount, 50 per cent. on medium and extra heavy, and 45 per cent. on light.

Solder.

	Per lb.	Per lb.
Bar half-and-half	0 20	0 21
Refined	0 19½	0 20
Wiping	0 19	0 19½

NOTE.—Prices of this graded according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 11 0 11½

White Lead.

	Per cwt.
Pure, Assoc. guarantee, ground in oil, 25 lb. irons	6 50
No. 1 do	6 12½
No. 2 do	5 75
No. 3 do	5 37½
No. 4 do	5 00
Robertson's Chemically Pure	6 50
Munro's Select Flake White	6 75
Elephant and Decorators' Pure	6 50

Red Lead.

Genuine, 560 lb. casks, per cwt.	$5 00
Genuine, 100 lb. kegs, per cwt.	5 25 5 50
No. 1, 560 lb. casks, per cwt.	4 75
No. 1, 100 lb. kegs, per cwt.	5 00

White Zinc Paint.

Elephant Snow White	0 08 0 09
Pure Whiie Zinc	0 08 0 09
No. 1	0 06 0 07½
No. 2	0 05 0 06½

Dry White Lead.

Pure, casks	0 05½
Pure, kegs	0 05⅝
No. 1, casks	0 04⅞
No. 1, kegs	0 05⅛

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)

Pure, per gallon	1 00 1 10
Second qualities, per gallon	0 90 0 95
Barn (in bbls.)	0 70 0 90
The Sherwin-Williams Paints	1 30
Canada Paint Co's Pure	1 10 1 20
Robertson's Pure	1 10
Sanderson Pearcy's Pure	
Toronto Paint and Color Co.'s Pure	1 10 1 20

Colors in Oil.

(25 lb. tins, Standard Quality.

Venetian Red, per lb	0 05
Chrome Yellow	0 11
Golden Ochre	0 06
French "	0 05
Marine Black	0 09
" Green	0 09
Chrome "	0 08
French Imperial Green	0 19

Colors, Dry.

Yellow Ochre (J.C.) bbls	1 35 1 40
Yellow Ochre (J.F.L.S.), bbls	2 75
Yellow Ochre (Royal)	1 10 1 15
Brussels Ochre	2 00
Venetian Red (best), per cwt.	1 80 1 90
English Oxides, per cwt.	3 00 3 25
American Oxides, per cwt	1 75 2 00
Canadian Oxides, per cwt.	1 75 2 00
Super Magnetic Oxides, 93 p.c.	2 00 2 25
Burnt Sienna, pure, per lb.	0 10
" Umber, " "	0 10
do Raw	0 09
Drop Black, pure	0 09
Chrome Yellows, pure	0 18
Chrome Greens, pure, per lb.	0 12
Golden Ochre	0 03¾
Ultramarine Blue in 28-lb boxes, per lb	0 08 0 24
Fire Proof Mineral, per 100 lb.	1 00
Genuine Eng. Litharge, per lb	0 07
Mortar Color, per 100 lb.	1 25
James' Gen. Red Lead, 100 lb	0 05
Pure Indian Red, No. 45, lb.	0 08
Whiting, per 100 lb.	0 55

Sulphate of Copper.

Casks, for spraying, per lb.	0 07
100-lb. lots, do. per lb.	0 08

Putty.

Bladders in bbls.	1 80
Bladders in 100 or 200 lb. kegs or bxs	1 95
Bulk in bbls., per 100	1 65
Bulk in less quantities	1 80
25-lb. tins, 4 in case	2 05
12½-lb. tins, 8 in case	2 30

Varnishes.

(In 5-gal. lots.).		Per gal.
Carriage, No. 1	1 30	1 40
Extra do.	1 50	1 60
Body Varnish	3 40	3 50
Furniture Varnish	0 60	0 75
Extra do.	1 10	1 20
Demar Varnish		1 60
Hard Oil Finish	1 30	1 45
Orange Shellac Varnish	2 00	2 10
White Shellac	2 20	2 25
Rubbing Varnish		2 00
Brown Japan	85	1 00
Elastic Oak		1 40

Linseed Oil.

Raw.		Boiled.	
1 to 4 bbls	$0 60	delivered	$0 63
5 to 9 bbls	59	"	62
10 to 15 bbls	58	f.o.b. point ship'nt	61
16 to 30 bbls	57	" "	60

Turpentine.

Single barrels	0 73
2 to 4 barrels	0 72

Freight allowed. Toronto, Hamilton London and Guelph, 2c. less.

Castor Oil.

In cases, per lb	0 09
Small lots	0 10

Cod Oil, Etc.

Cod Oil, per gal.	0 50 0 55
Pure Olive	1 20
" Neatsfoot	90

Glue.

(In bbls.)

Common	0 08½ 0 09
French Medal	0 12 0 12½
Cabinet, sheet	0 11 0 12
White, extra	0 16 0 18
Gelatine	0 22 0 30
Strip	0 16 0 18
Coopers	0 19 0 20
Al clear	0 09

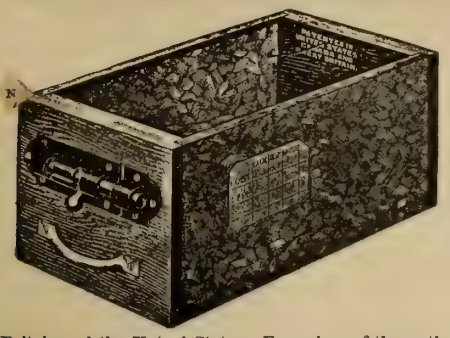
HARDWARE.

Ammunition.

Cartridges.

B. B. Caps. Dom., 50 and 5 per cent.
Rim Fire Pistol, dis. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18 p.c. Amr

CHRISTMAS TRADE over, then stock-taking, and after that the usual right siding during the slack time which will be a good opportunity to put in Bennett's Hardware Shelf Box, now so popular in Canada, Great



Britain and the United States. For prices of these, the Klondike Sample Holder and Bennett's new bronze box pull, write to

J. S. BENNETT, 20 Sheridan Ave., Toronto.

N. B.—Shelf boxes made to fit your present shelving.

WARNOCK'S TOOLS

have been Canada's Standard for 55 years---since 1844. Every article bearing our name is fully guaranteed. Always specify **"Warnock's."**

James Warnock & Co., - Galt, Ont.

Central Fire Cartridges, pistol sizes, Dom 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p.c.
Brass shot Shells, 55 and 10 per cent.
Primers, Dom., 30 per cent.

Wads.

	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Per lb	10	0 12½
Anvil and Vice combined	....	4 50
Wilkinson & Co.'s Anvils..lb.	0 09	0 09½
Wilkinson & Co.'s Vices..lb.	0 09¾	0 10

Augers.

Gilmour's, discount 50 and 10 p.c. off list.

Axes.

Chopping Axes—		
Single bit, per doz	5 50	10 00
Double bit, "	12 00	18 00
Bench Axes, 40 and 15 p.c.		
Broad Axes, 33⅓ per cent.		
Hunters' Axes	5 50	6 00
Boy's Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Bath Tubs.

Zinc	3 90	4 00

Copper, discount 40 and 10 p.c. off revised list
Steel clad, discount 20 per cent. Boxing extra.

Anti-Friction Metal.

Tandem "A"	per lb.	0 23
" B	"	0 19
" C	"	0 11½

Magnolia Anti-Friction Metal, per lb. 0 25
F. O. B. New York or Chicago.

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent.

Door.

Gongs, Sargant's 5 50 8 00
" Peterboro', discount 27½ per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Farm.

American, each 1 25 3 00

House.

American, per lb 0 35 0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00

Blacksmiths', discount 40 per cent.

Belting.

Extra, 50 per cent.
Standard, 50 and 10 to 50, 10 and 5 per cent.
Agricultural, 60 and 10 p.c.

Bits.

Auger.

Gilmour's, discount 50 and 10 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent.

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts.

	Per cent.
Norway Bolts, full square	65
Common Carriage Bolts, all sizes	50
" " full square	65
Machine Bolts, all sizes	52½
Coach Screws	65
Sleigh Shoe Bolts	70
Blank Bolts	52½
Bolt Ends	62½
Nuts, square	3½c. off
Nuts, hexagon	4c. off
Tapping Nuts	60
Tire Bolts	60 and 10
Stove Bolts	60 and 10
Stove rods, per lb	5½ to 6c.
Plough Bolts	50

Boot Calks.

Small and medium, per M	4 50	
Small heel, per M	4 25	

Bright Wire Goods.

Discount 55 per cent.

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent.

Henis, No. 8, "		6 00
Henis, No. 9, "		7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Plain building, per roll	0 28	
Tarred lining, per roll	0 35	
Tarred roofing, per 100 lb	1 40	
Coal Tar, per barrel	3 75	
Pitch, per 100-lb	0 60	
Carpet felt, per 100 lb	2 50	

Bull Rings.

Copper, $2.50 for 2½ in. and $2 for 2 in.

Butts.

Brass.

Wrought Brass, net revised list.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel.

Fast Joint, dis. 60 and 10 per cent.
Loose Pin, dis. 60 and 10 per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.
Gen. Bronzed, per pair 0 40 0 65

Cards.

Horse, per doz 0 60 1 00

Carpet Sweepers.

Bissell, per doz	....	22 50
World, "	....	21 75
Daisy, "	....	24 00
Star, "	....	18 00
Crown Jewel, per doz	....	29 00
Grand Rapids, "	24 00	33 00

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross 50 9 50

Cement.

Canadian Portland	2 65	2 90
English "	....	3 00
Belgian "	....	2 70
Canadian hydraulic	1 00	1 10

Figures are for barrel lots.

Chalk.

Carpenters, Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 60 and 5 per cent.
Warnock's, dis. 60 per cent.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above. Discounts: Delivered from factories, 60 p.c.; from stock in Montreal, 58 p.c. Terms, 4 months or 3 p.c. cash in 30 days.

Cinder Sifters.

Per doz 1 25

Clips.

Axle dis. 65 per cent.

Closets.

Plain Ontario Syphon Jet	$8 00
Emb. Ontario Syphon Jet	8 50
Fittings	1 00
Plain Teutonic Syphon Washout	4 75
Emb. Teutonic Syphon Washout	5 25
Fittings	1 00
Plain Richelieu	4 75
Emb. Richelieu	5 00
Fittings	1 25
Closet connection	1 25
Basins, round 14 in.	0 65
" oval, 17 x 14 in.	1 55
" " 19 x 15 in.	2 30

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 20 per cent from factory.

Crosscut Saw Handles.

S. & D., No. 3, per pair	17½
" " 5, "	22½
" " 6, "	15
Boynton pattern "	20

Dies.

Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. per cent.

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Broad's, dis. 60 to 60 and 7½ per cent.
Warnock's, dis. 60 to 60 and 7½ per cent.

Drills.

Hand and Breast.

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.

Stovepipe.

Per doz 0 85 1 70

ESCUTCHEONS.

Discount, 27½ per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 45 per cent.

FILES.

Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Jowitt's, English list, 25 to 27½ per cent.
Mechanics' Star & File Mfg. Co. Discount 60 and 10 to 70 per cent.

FORKS.

Hay, manure, etc., dis., 50 and 10 per cent. revised list.

FRUIT PRESSES.

Henis', per doz 3 25 3 50
Shepard's Queen City, dis. 15 per cent.

GAUGES.

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each 1 65 2 40

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft
Under 26	2 10	4 00	3 50	6 00
26 to 40	2 30	4 35	3 75	6 65
41 to 50	....	4 75	....	7 25
51 to 60	....	5 00	....	8 50
61 to 70	....	5 35	....	9 25
71 to 80	....	5 75	....	10 50
81 to 85	....	6 50	....	11 75
86 to 90	....	7 25	....	14 00
91 to 95	....	....	....	15 50
96 to 100	....	....	....	18 00
101 to 105	....	....	....	21 00
106 to 110	....	....	....	24 00
111 to 115	....	....	....	28 00

16 x 16 10 per cent. off.

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis 5 to 10 per cent. Can. dis. 25 to 27½ per cent.

Tack.

Magnetic, per doz 1 10 1 20

Sledge.

Canadian, per lb 0 07½ 0 08½

Ball Pean.

English and Can., per lb 0 22 0 25

HANDLES.

Axe, per doz., net	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pair	0 40	2 50

Fork.

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. list.

Saw.

American, per doz 1 00 1 25

Plane.

American, per gross 3 15 3 75

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair 0 13¾ 0 20

HANGERS.

	doz. pairs
Steel barn door	5 85 6 00
Stearns, 4 inch	.... 5 00
" 5 inch	 6
Lane's covered—	
No. 11, 5-ft. run	.... 8 40
No. 11½, 10-ft. run	.... 10 80
No. 12, 10-ft. run	.... 12 60
No. 14, 15-ft. run	.... 21 00
Lane's O.N.T. track, per foot	.... 4½

HARVEST TOOLS.

Discount, 50 and 10 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent.

HINGES.

Blind, Parker's, dis. 60 and 10 to 65 per cent
" Shepard's Noiseless, dis. 60 per cent.
" " Buffalo, dis. 60 to 70 p. c.

Heavy T and strap, 4-in., per lb		....	0 06
" " 5-in.,	"	....	0 05¾
" " 6-in.,	"	....	0 05½
" " 8-in.,	"	....	0 05¼
" " 10-in.,	"	....	0 05

Light T and strap, dis. 60 and 10 per cent.

Screw hook and hinge—		
6 to 12 in., per 100 lbs	....	4 50
14 in. up, per 100 lbs	....	3 50
	Per gro.	pair
Spring	....	12 00

HOEE.

Garden, Mortar, etc., dis. 50 and 10 p.c.
Planter, per doz 4 00 4 50

HOLLOW WARE
Discount,..... 45 and 5 per cent

HOOKS.
Cast Iron.

Bird Cage, per doz.....	0 50	1 10
Clothes Line, per doz.....	0 27	0 63
Harness, per doz.....	0 72	0 88
Hat and Coat, per gross.....	1 00	3 00
Chandelier, per doz.....	0 50	1 00

Wrought Iron.
Wrought Hooks and Staples, Can., dis. 47½ per cent.
Wire.
Hat and Coat, discount 45 per cent.
Belt, per 1,000..... .. 0 60 0 70
Screw, bright, dis. 55 per cent.

HORSE NAILS.
"C" brand 50 p.c. dis.
"M" brand 50 p.c. } Oval head.
Acadian, countersunk head and oval top, 60 per cent.

HORSESHOES.

Iron Shoes.	F.O.B. Toronto. No. 2 and larger.	No. 1. and smaller.
Light, medium, and heavy...	3 80	4 05
Snow shoes.....	4 05	4 30
Steel Shoes.		
Light.....	4 10	4 35
Featherweight (all sizes).....	5 35	5 35

JAPANNED WARE.
Discount, 45 per cent. off list, June, 1899.

ICE PICKS.
Star, per doz..... 3 00 3 25

KETTLES.
Brass spun, 7½ p.c. dis. off new list.
Copper, per lb..... 0 30 0 50
American, 60 and 10 to 65 and 5 p.c.

KEYS.
Lock, Can., dis., 27½ p.c.
Cabinet, trunk, and padlock, Am. per gross..... 60

KNOBS.

Door, japanned and N.P., per doz.....	1 50	2 50
Bronze, Berlin, per doz.....	2 75	3 25
Bronze Genuine, per doz....	6 00	9 00
Shutter, porcelain, F. & L. screw, per gross.....	1 30	4 00

HAY KNIVES.
Discount, 50 and 10 per cent.

LANTERNS.

Cold Blast, per doz.....	7 50
No. 3 "Wright's".....	8 50
Ordinary with O burner.....	4 25
Dashboard, cold blast.....	9 50
No. 0.	6 00

Japanning, 50c. per doz. extra.

LEMON SQUEEZERS.

	per doz.	
Porcelain lined,.....	2 20	5 60
Galvanized.....	1 87	3 85
King, wood.....	2 75	2 90
King, glass	4 00	4 50
All glass.....	1 20	1 30

LINES.

Fish, per gross.....	1 05	2 50
Chalk "	1 90	7 40

LOCKS
Canadian, dis. 27½ p.c.
Russell & Erwin, per doz.... 3 05 3 25
Cabinet.
Eagle, dis. 30 p.c.
Padlock.
English and Am., per doz.... 50 6 00
Scandinavian. 1 00 2 40
Eagle, dis. 15 to 17½ p.c.

MACHINE SCREWS.
Iron and Brass.
Flat head, discount 25 p.c.
Round Head, discount 20 p.c.

MALLETS.

Tinsmiths', per doz.....	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz..	3 85	5 00
Caulking, each.....	60	2 00

MATTOCKS
Canadian, per doz..... 8 50 10 00

MEAT CUTTERS.
American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.
Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2d. and 3d	$3 60	$4 30
3d.....	3 25	3 95
4 and 5d.....	3 00	3 80
6 and 7d.....	2 90	3 65
8 and 9d.....	2 75	3 45
10 and 12d.....	2 70	3 40
16 and 20d.....	2 65	3 35
30, 40, 50 and 60d. (base).....	2 60	3 30

Steel Cut Nails 10c. extra.

NAIL PULLERS.
German and American..... 1 85 3 50

NAIL SETS.
Square, round, and octagon, per gross 3 38 4 00
Diamond 12 00 15 00

NETTING.
Poultry, 45 per cent. for McMullen's.

OIL.

Canada refined (Toronto)....	....	0 13½
Sarnia Water White.....	....	0 15
Pratt's Astral.....	....	0 18
Sarnia, Prime White.....	....	0 14
American w. w.	....	0 16½

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz.....	0 00	11 00
Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz.....	1 25	3 50
Brass, "	1 50	3 50

Malleable, dis. 25 per cent.

PAILS.
Galvanized pails, discount 45 per cent.
Galvanized flaring pails, discount 45 per cent
Galvanized washtubs, discount 45 per cent.

PIECED WARE.
Discount, 40 per cent. off list, June, 1899.

PICKS.
Per doz 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross....	1 50	3 00
Brass head, "	0 40	1 00

PLANES.
Wood, bench, Canadian dis. 55 per cent. American dis. 55.
Wood, fancy Canadian or American, 37½ to 40 per cent.
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.
Miscellaneous, dis. 25 to 27½ per cent.
Bailey's Victor, 25 per cent

PLANE IRONS.
English, per doz..... 2 00 5 00

PLIERS AND NIPPERS.
Button's Genuine, per doz pairs, dis. 37½ 40 p.c
Button's Imitation, per doz.. 5 00 9 00
German, per doz..... 0 60 2 60

PRESSED SPIKES.
Discount, 20 per cent.

PULLEYS.

Hothouse, per doz.....	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning.....	0 35	2 50

PUMPS

Canadian cistern.....	1 40	2 25
Canadian pitcher spout....	1 15	2 00

PUNCHES.

Saddlers', per doz.....	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set.....	0 00	0 72
" hollow, per inch....	0 00	1 00

RANGE BOILERS

Galvanized, 30 gallons			8 50
"	35	"	10 00
"	40	"	11 00
Copper,	30	"	22 00
"	35	"	26 00
"	40	"	30 00

Discount off Copper Boilers 10 per cent.

RAKES.
Cast steel and malleable Canadian, list dis. 50 and 10 p.c revised list.
Wood, 25 per cent.

RASPS AND HORSE RASPS.
New Nicholson horse rasp, discount 60 p.c.
Globe File Co.'s rasps, 60 and 10 to 70 p.c.
Heller's Horse rasps, 50 to 50 and 5 p.c.

RAZORS.

	per doz.	
Geo. Butler & Co.'s,.....	8 00	18 00
Boker's	7 50	11 00
Wade & Butcher's...	3 60	10 00
Theile & Quack's	7 00	12 00
Elliot's	4 00	18 00

REAPING HOOKS.
Discount, 50 and 10 per cent.

REGISTERS.
Discount,..... ..... 60 per cent.

RIVETS AND BURRS.
Carriage, Section, Wagon Box Rivets, etc. (Steel), 45 p c.
Black M Rivets (Steel), 45 p.c
Black and Tinned Rivets, 45 p.c.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets & Burrs, 35 p.c. dis., and cartons, 1c. per lb. extra, net.
Extras on Tinned or Coppered Rivets in ½-lb. cartons, 1c. per lb.
Burrs, iron or steel, 40 per cent.
Terms, 4 mos. or 3 per cent. cash 30 days.

RIVET SETS.
Canadian, dis. 35 37½ per cent.

ROPE, ETC.

	Sisal.	Manila.
7-16 in. and larger, per lb.	12½	15
⅜ in.....	13	15½
¼ and 5-16 in.	13½	16
Cotton		14
Russia Deep Sea		15½
Jute		8
Lath Yarn		9¾
New Zealand Rope.....		10½

RULES.
Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

	per set.
Mrs. Potts, plain, polished	0 90
" " " 12 case ots	0 85

10c. advance for plated.

SAND AND EMERY PAPER.
Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 2½ per cent.
Emery, 40 per cent.

SAWS.
Hand, Disston's, dis. 12½ p.c.
S. & D., 40 per cent.

Crosscut, Disston's, per ft....	0 35	0 55

S. & D., dis. 35 p.c. on Nos. 2 and 3.

Hack, complete, each.....	0 75	2 75
" frame only.....	....	0 75

SASH WEIGHTS.

Sectional, per 100 lbs.....	....	3 25
Solid, "	....	1 50

SASH CORD.
Per lb..... 0 23 0 30

SAW SETS.

"Lincoln," per doz.....	....	6 50

SCALES
Gurney Scales, 45 p.c.
B. S. & M. Scales, 45 p.c.
Champion, 55 per cent.
Fairbanks Standard, 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Chatillon Spring Balances, 10 p.c.

SCREW DRIVERS.

Sargent's, per doz.....	0 65	1 00

SCREWS

Wood, F. H., iron, and steel, 80 p.c.	
Wood R. H., " dis. 75 p.c.	
" F. H., brass, dis. 75 p.c.	
Wood, R. H., " dis. 67½ p.c.	
" F.H., bronze, dis. 67½ p.c.	
" R.H. " 62½ p.c.	
Drive Screws, 80 per cent.	
Bench, wood, per doz.....	3 25 4 00
" iron, "	4 25 5 75

SCYTHES.

Discount, per doz. net.....	9 00	15 00

SCYTHE SNATHS.
Canadian, dis. 45 p.c.

SHEARS
Seymour's, dis. 50 and 10 p.c.
Heinisch, dis. 50 and 10 p.c.
Seymour or Heinisch tailor shears. 15 p.c.

SHOVELS AND SPADES.
Canadian, dis. 40 and 5 per cent.

SINKS.
Steel and galvanized, discount 45 per cent.

SNAPS.
Harness, German, dis. 25 p.c.
Lock, Andrews'..... 4 50 11 50

SOLDERING IRONS.

1, 1½ lb., per lb.....	0 37
2 lb. or over, per lb.	0 34

SQUARES.

Iron, No. 493, per doz	2 40	2 55
" No. 494, "	3 25	3 40

Steel, dis. 50 and 5 to 50 and 10 p.c., rev. list.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.
Plain, dis., 75 and 12½ p.c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized	3 75
Bright	3 50

STOCKS AND DIES.
American dis. 25 p.c.

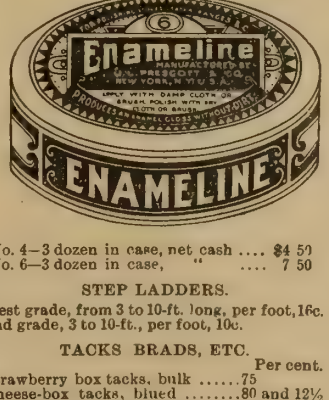
STONE.

	Per lb,	
Washita.....	0 28	0 60
Hindostan..	0 06	0 07
" slip, ...	0 09	0 09
Labrador.....	....	0 13
" Axe.....	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, per ton	15 00	18 00

STOVE PIPES.

5 to 6 inch, per 100 lengths....	6 75
7 inch, per 100 lengths.....	7 25

Stove Polish.



No. 4—3 dozen in case, net cash $4 50
No. 6—3 dozen in case, " 7 50

STEP LADDERS.
Best grade, from 3 to 10-ft. long, per foot, 16c.
2nd grade, 3 to 10-ft., per foot, 10c.

TACKS BRADS, ETC.

	Per cent.
Strawberry box tacks, bulk 75	
Cheese-box tacks, blued	80 and 12½
Trunk tacks, black and tinned.....	80 and 12½
Carpet tacks, blued and tinned ..75 and 10	
" " (in kegs) 35	
Cut tacks, blued, in dozens only ..70 and 10	
" ¼ weights 55	
Swedes, cut tacks, blued and tinned—	
In bulk 80	
In dozens ... .70 and 10	
Swedes, upholsterers', bulk .....80 and 12½	
" brush, blued & tinned, bulk..45	
" gimp, blued tinned and japanned..... .....70 and 10	
Zinc tacks 30	
Leather carpet tacks 55	
Copper tacks 50	
Copper nails 52½	
Trunk nails, black 65	
Trunk nails, tinned .....65 and 5	
Clout nails, blued and tinned.....	65
Chair nails	35
Cigar box nails	35
Patent brads	40
Fine finishing	40
Picture frame points	10
Lining tacks, in papers	10
" " in bulk	15
" " solid heads, in bulk.....	75
Saddle nails in papers	10
" " in bulk	5
Tufting buttons, 22 line, in dozens only	
Tin capped trunk nails.....	
Zinc glazier's points.....	5
Double pointed tacks, dozens.....	85
" " " bulk	35

TAPE LINES.

English, ass skin, per doz....	2 75	5 00
English, Patent Leather....	5 50	9 75
Chesterman's each.....	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS
Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRANSOM LIFTERS.
Payson's per doz..... 2 60

TRAPS. (Steel.)
Game, Newhouse, dis. 25 p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's, discount 10 per cent.		
German, per doz.....	4 75	6 00
Brade's "	5 00	10 50

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb.....	....	0 21
Wrapping, mottled, per pack.	0 50	0 60
Wrapping, cotton, per lb	0 17	0 18
Mattress, per lb.....	0 33	0 45
Staging, "	0 27	0 35
Broom, "	0 30	0 55

VISES.

Hand, per doz.....	4 00	6 00
Bench, parallel, each	2 00	4 50
Coach, each.....	6 00	7 00
Peter Wright's, per lb.....	0 12	0 13
Pipe, each.....	5 50	9 00
Saw, per doz	6 50	13 00

ENAMELLED WARE.
White, Princess, Turquoise, Blue and White discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.
Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Smooth Steel Wire, base, $3.45 per 100 lb. List of extras: Nos. 2 to 5, advance 7c. per 100 lb.—Nos. 6 to 9, base—No. 10, advance 7c.—No. 11, 14c.—No. 12, 20c.—No. 13, 35c—No. 14 47c.—No. 15, 60c.—No. 16, 75c. Extras net per 100 lb.: Coppered wire, 60c.—tinned wire, $2—oiling, 10c.—special hay-baling wire, 30c.—spring wire, $1—best steel wire, 75c.—bright soft drawn, 15c. in 50 and 100-lb. bundles net, 10c.—in 25-lb. bundles net, 15c.—packed in casks or cases, 15c.—bagging or papering, 10c.
Fine Steel Wire, dis. 12½ per cent. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, $7.65—No. 24, $8—No. 25, $9—No. 26, $9.50—No. 27, $10—No. 28 $11—No 29, $12—No. 30, $13—No. 31, $14—No. 32, $15 No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25 $2—Nos. 26-31, $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles. 25c.—in 1-lb. hanks, 50c.—in ½-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $4.25—No. 9, $3.55—No. 10, $4.40—No. 11, $4.45—No. 12, $3 70—No. 13, $3.45—No. 14, $5.00—No. 15, $5.30—No. 16. $5.50.
Clothes Line Wire, 19 gauge, per 1,000 feet..... .... 3 30

WIRE FENCING.

	F.O.B Toronto
Galvanized, 4 barb, 2¼ and 5 inches apart.....	3 60
Galvanized, 2 barb, 4 and 6 inches apart.....	3 60
Galvanized, plain twist.....	3 60

Terms, 2 per cent. in 10 days.

WIRE CLOTH.
Painted Screen, per 100 sq. ft., net... 1 85

WRENCHES.
Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.

Towers' Engineer, each.....	2 00	
" S., per doz	5 80	
G. & K.'s Pipe, per doz.....		3 40
Burrell's Pipe, each..... ...		3 00
Pocket, per doz.....	0 25	2 90

WRINGERS.

Leader.....	per doz.	$60 00
Royal Canadian	"	58 00
Royal American	"	48 00

Discount, 45 per cent.; terms 4 months, or p.c. 30 days. Prices are f.o.b. London Hamilton Toronto. Brockville or Montreal.

WROUGHT IRON WASHERS.
Canadian make, discount, 25 per cent.

Standard Steel Toe Calks

Sizes of Blunt:





WRITE FOR DISCOUNTS.





Sizes of Sharp Calks below for Fall of 1899:

NO.	LENGTH.	SIZE.
0	1½ inch	3/8 x 5/16
1	1½ "	1/2 x 5/16
2	1¾ "	9/16 x 3/8
3	2 "	5/8 x 3/8
4	2¼ inch	3/4 x 3/8
5	2½ "	3/4 x 3/8
6	2¾ "	7/8 x 7/16
7	3 "	7/8 x 7/16

Price, $1.25 per box of 25 lbs. in bulk.
Or 24 lbs. in 4-lb. packages.

NO.	LENGTH.	SIZE.
0	1½ inch	9/16 x 3/8
1	1¾ "	9/16 x 3/8
2	2 "	11/16 x 7/16
3	2¼ "	3/4 x 1/2
4	2½ inch	3/4 x 1/2
5	2¾ "	15/16 x 9/16
6	3 "	15/16 x 9/16

Price, $1 50 per box of 25 lbs. in bulk.
Or 24 lbs. in 4-lb. packages.

JAMES PENDER & CO., Limited, Sole Mfrs. **Saint John, N. B., Canada.**



CHAS. F. CLARK, President. JARED CHITTENDEN, Treasurer.

ESTABLISHED 1849.

BRADSTREET'S

Capital and Surplus, $1,500,000. **Offices throughout the civilized world.**

Executive Offices: 346 and 348 Broadway, New York City, U.S.A.

THE BRADSTREET COMPANY gathers information that reflects the financial condition and the controlling circumstances of every seeker of mercantile credit. Its business may be defined as of the merchants, by the merchants, for the merchants. In procuring, verifying and promulgating information, no effort is spared, and no reasonable expense considered too great, that the results may justify its claim as an authority on all matters affecting commercial affairs and mercantile credit. Its offices and connections have been steadily extended, and it furnishes information concerning mercantile persons throughout the civilized world.

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London Office: No. 365 Richmond Street.
Winnipeg Office: No. 398 Main Street.
Vancouver Office: Cor. Hastings and Hamilton Sts.
Victoria Office: Board of Trade Building.

THOS. C. IRVING, Gen.-Mgr., Western Canada, Toronto, Ont.

FULL STOCK

DIAMOND BRAND



WIND GUARDS, CHIMNEY TOPS, FLUE LININGS,
CULVERT PIPES, SEWER PIPES, INVERT BLOCKS.

Manufactured by the

HAMILTON AND TORONTO SEWER PIPE CO.

Hamilton, Ontario. Limited

Deseronto Iron Co.

LIMITED

DESERONTO, ONT.

Manufacturers of

Charcoal Pig Iron

BRAND "DESERONTO."

Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

PERFECTION AUTOMATIC REVOLVER.



NEW Automatic shell extracting, double action, small frame. Weighs 12 oz. Rebounding lock. 32 caliber. 5 shot.

Made with shorter barrel for bicycle use.

The most perfect small pistol made.

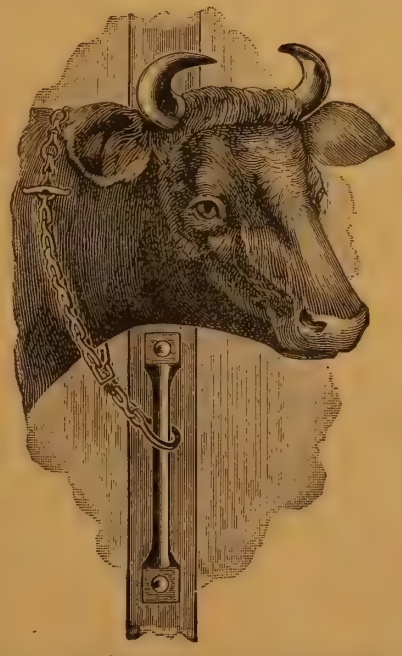
SEND FOR CATALOGUE.

Forehand Arms Co.

Manufacturers of the

Forehand Guns

Worcester, Mass.



Dominion Pattern

Cow Tie AND Stall Fixture

The special features of the tie and stall fixture are well shown in the illustration. As will be noticed the chain is very short which prevents all danger of entanglement with the animal's foot. At the same time the form of the fixture is such that great freedom is allowed to the head. Because of the short chain this tie is much cheaper than the ordinary patterns.

The stall fixture is made from a tough quality of steel and is very strong. Also, owing to its circular cross-section, it is exceedingly rigid. Its simplicity, convenience, cheapness, and ease of attaching make it very popular with cow tie users.

This form of tie and stall fixture are sometimes called Niagara pattern.

American or Flat Link Chain,

for years the standard cow tie chain in "the States," is now rapidly coming in favor in Canada. Its short link, handsome appearance and smooth surface—which cannot injure the animal's neck—make it superior to all other styles of chain for cow ties.

For sale by all Jobbers; manufactured by

ONEIDA COMMUNITY, Limited, NIAGARA FALLS, ONT.

Est. 1863 Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve Medals

Awarded
By **JURORS** at
International Expositions
Special Prize
Gold Medal at Atlanta, 1895

TO INSURE COMFORT AND SAFETY

...USE...

"Maltese Cross" Inner Tubes

AND

RIDE

HARTFORD TIRES

The Toronto Rubber Co.

Limited

158 Yonge Street - TORONTO, CANADA

THE FALL TRADE

To secure thoroughly reliable goods send your orders for

Ready-Mixed House and Floor Paints,
Varnishes, Japans, Coach Colors,
White Lead, Colored Paints, Enamels,
Wood Stains, Wall Tints, Putty, etc.

To Henderson & Potts,

NOVA SCOTIA PAINT AND VARNISH WORKS,

HALIFAX, and 747 Craig St., MONTREAL.

Sole Agents for the Dominion for **Brandram's Celebrated White Lead.**

Engineers' and Machinists'
Delight—Langwell's Babbitt.
Montreal.

CANADIAN
HARDWARE
AND METAL MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XI. MONTREAL AND TORONTO, DECEMBER 23, 1899. NO. 51



Magnolia Metal

Best Anti-Friction Metal for all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up in bars, of which this is a

FAC-SIMILE.



The name and trade mark appear on each box and bar, and besides this, the words "Manufactured in United States" and "Patented June 3, 1890" are stamped on the under side of each bar.

Magnolia Metal is still selling at the same price it has always sold at—no advance.

MAGNOLIA METAL COMPANY

LONDON OFFICE—49 Queen Victoria St.
CHICAGO OFFICE—Fisher Building, 281 Dearborn Street.
CANADIAN OFFICE—524 Board of Trade Building, Montreal.
CLEVELAND OFFICE—15 South Water Street.

Owners and Sole Manufacturers,
266 and 267 West St., New York

"Queen's Head" Iron is Famous.

Its QUALITY has made it so.

JOHN LYSAGHT, Limited,
BRISTOL, ENG., and MONTREAL.

Free Book On Heat.

A book that will help you and suggest ideas about Steam or Hot-Water Heating that perhaps you never thought of. It not only *tells* why, but *shows* why the various styles of the "Safford" Radiator are without an equal in the Radiator world. It is illustrated—you don't have to study it out.

Safford Radiators

are absolutely unbreakable—no rods, bolts or packing; screw nipple connections make them safe. Each one is guaranteed by the largest Radiator manufacturers under the British flag. Send a post card for the free book—it will interest you.

The Dominion Radiator Company (Limited)
Toronto, Ont.

CABINETS OF CUTLERY
AND SILVERWARE.

Sets of Carvers
Table Knives
Silverware

Dessert Sets
Fish Carvers
Game Carvers

Brass Kettles . . .
and Chafing Dishes

CHRISTMAS NOVELTIES.

RICE LEWIS & SON
(LIMITED)
Toronto.

SAVAGE REPEATING RIFLE
.303 CAL.



Hammerless
Smokeless
Six-Shooter

New 1899 Model

AGENTS:
Winnipeg, J. H. ASHDOWN
Toronto, RICE LEWIS & SON
Quebec, CAVERHILL, LEARMONT & CO.

LATEST and FINEST Rifle manufactured.

Write for complete Catalogue W.

SAVAGE ARMS CO., Utica, N.Y., U.S.A.

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74 YEARS. *ESTABLISHED 1825.* *74 YEARS.*

CELEBRATED

HEINISCH SHEARS



ACKNOWLEDGED THE BEST.

Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.

R. HEINISCH'S SONS CO.

NEW YORK OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

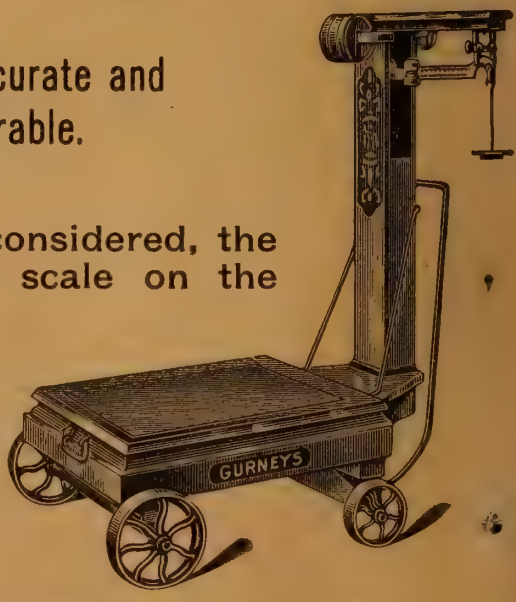
Not connected with any Shear Combination.

CANADA'S BEST SCALES

GURNEY

Accurate and Durable.

Quality considered, the cheapest scale on the market.



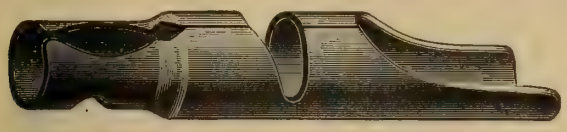
A complete stock of Scales carried in Montreal by our Agent, WALTER GROSE.

THE GURNEY SCALE CO.

Hamilton, Ontario, Canada.

Established 1860 Incorporated 1895

"EUREKA"
STEEL SAP SPOUTS

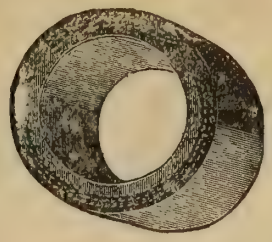


Patented 1896 . . . . . Cut Shows Full Size of Spout

Economical, durable and cheap. Holds the bucket safely and securely. Prevents all leakage and waste. Easily inserted, does not injure the tree, and secures full flow of sap.

Neatly packed in cardboard boxes, 100 each. Made in Berlin Bronze, 24, 22, 20 gauge; Tinned Steel, 20 gauge.

The THOS. DAVIDSON MFG. CO., Limited,
MONTREAL.



Hose made with Seamless Tube.
No seam to open.

A GARDEN HOSE TALK.

The public demand Garden Hose that will stand high pressures suddenly applied, and exposure to all weathers.

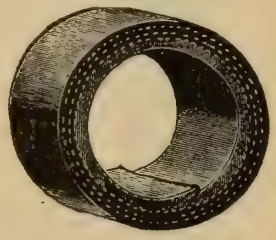
To satisfy these demands, strong duck well protected both inside and out is required.

Weights of duck differ with price of hose. The heavier the duck—all other things being equal—the stronger the hose. We aim to have our cheapest hose stand city pressure.

The inner tube of all qualities of our hose is made by our **PATENT SEAMLESS PROCESS.** With a seamless tube, drawn as is lead pipe, the entire inner circumference is equally strong. There is not a seam for the water to find its way through and thus reach the duck, and eventually cause a leak or leaks.

The cover of our Garden Hose is made to withstand the action of sun, wind, and water.

Our **PATENT SEAMLESS TUBE GARDEN HOSE** is strong and will withstand the action of water from within and weather from without, therefore it is reliable, and it will pay you to handle it. **No returns, No unpleasantness with customers.**



Hose with lapped or butted seam.
Liable to open where joined.

THE CANADIAN RUBBER CO.
MONTREAL. TORONTO. WINNIPEG.

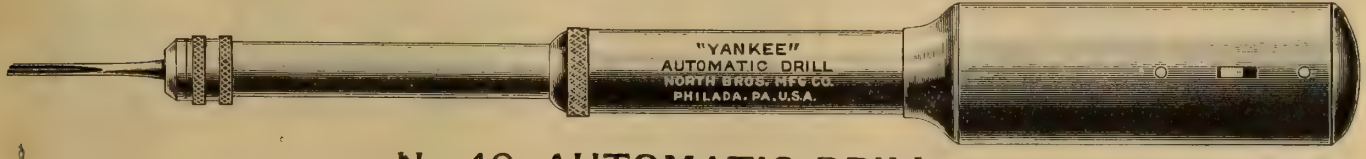
"YANKEE" TOOLS are sold by Leading Jobbers throughout the Dominion.



No. 10 RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch,



No. 30 SPIRAL-RATCHET SCREW DRIVER.



No 40 AUTOMATIC DRILL.

FREE A handsome lithographed and embossed Sign in colors, on tin, to dealers handling these tools. Separate sign for each tool. Write at once which sign is wanted and it will be mailed post paid.

SEND FOR "YANKEE" TOOL BOOK.

North Bros. Mfg. Co.
Philadelphia, Pa., U.S.A.

A Merry Christmas

and

A Happy

and

Prosperous

 **1900** 

TO OUR CUSTOMERS
AND FRIENDS
AT HOME AND ABROAD!

THE CANADA PAINT COMPANY LIMITED

THE

CANADA PAINT COMPANY

LIMITED.

Montreal and Toronto

Announce complete arrangements in all departments for the coming year :

DRY COLORS
OIL COLORS
JAPAN COLORS
LIQUID COLORS
WHITE LEAD
JAPANS
VARNISHES
SPECIALTIES
TRIPLE STRENGTH TINTS

For the Ready-Mixed Paint Branch we are preparing over

One and a half Million Labels.

We have had an enormously successful business during 1899, and will maintain an "**Open Door**" for 1900.

In expressing our warmest thanks, we may say we are anxious to give prompt delivery to all customers, so please book your orders early. Wishing you many happy returns and a prosperous New Year,

THE

CANADA PAINT COMPANY

LIMITED

Montreal and Toronto.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY. MONTREAL.



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed Nuts, Square and Hexagon

GEORGE TUCK & CO.

.. Importers of ..

Asbestos and Tuck's Packings

Pipe and Boiler Coverings, Cotton Waste, Oils, Oakum, etc., and General Engineers' Supplies.

No. 7 ST. PETER STREET, - - MONTREAL

KNOX HENRY, Heavy Hardware and Metal Broker

Room 220½ Board of Trade, MONTREAL.

SPECIALTIES — C Brand Horse Nails — Canada Horse Nail Co.

BOLTS - Tire and Stove Rivets of all kinds — Chalcraft Screw Co.

BRASS GOODS — Gunn Castor Co., Limited, Birmingham, Eng.

SEND for specimen copy of Phillips' Monthly Machinery Register, containing over 5,000 entries of new and second-hand machinery of every description. The oldest established and most successful medium in the world. Established 25 years for the purpose of introducing those who have machinery for sale, to those who wish to buy, has a circulation of about 50,000 copies per annum, all over the world, and is used for continual reference by a large number of firms. It is consequently a most valuable advertising medium for all engineers and manufacturers. Subscription, 6s. per annum, price per copy, 6d. Sole Proprietor, CHAS. D. PHILLIPS, M.I.M.E., Newport, Mon., England. Telegraphic address "Machinery, Newport, Mon."

One of the

LEADING WHOLESALE HARDWARE HOUSES

in Montreal to-day is

SEYBOLD, SON & CO.,

Established 30 years.

Carrying a complete assortment of HARDWARE, from a Needle to an Anchor.

SPECIAL LOW PRICED

Japanned Wire Cloth

24, 30, 36 in. wide, in 50 ft. Rolls.

WRITE FOR PRICE LIST.

The B. GREENING WIRE CO., Limited

HAMILTON and MONTREAL.

DAVID MAXWELL & SONS

ST. MARYS, ONT., CANADA



Steel Frame.

"MAXWELL FAVORITE CHURN"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive.

LAWN MOWERS.

High and Low Wheels, from 12-in. to 20-in. widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate

WHEELBARROWS.

In Four different sizes.

If your Wholesale House does not offer you these articles

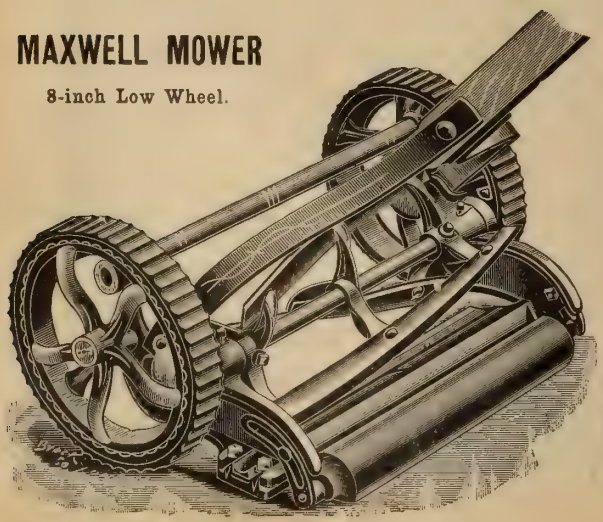
SEND DIRECT TO US.



Wood Frame.

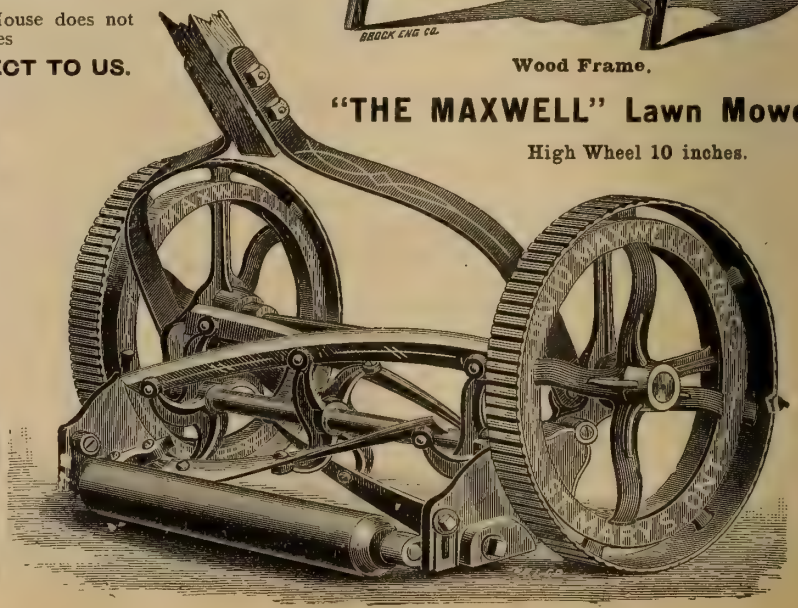
MAXWELL MOWER

8-inch Low Wheel.



"THE MAXWELL" Lawn Mower

High Wheel 10 inches.



WOOD, VALLANCE & CO.,

..HARDWARE MERCHANTS..

SKATES

...AND...

CUTLERY.

HAMILTON - ONTARIO

Branch House: George D. Wood & Co., Winnipeg, Man.
Toronto Office: 88 York Street—H. T. Eager.



WOOD, VALLANCE & CO.,
HAMILTON, ONT.

GEO. D. WOOD & CO.,

Iron Merchants

Importers of British and Foreign

HARDWARE.

WINNIPEG, CANADA.

EDDY'S WRAPPING PAPERS

possess a peculiar toughness adapting them for the HARDWARE TRADE.

The long fibre we make them of is responsible for this.

SEND FOR A SAMPLE ORDER

PRINTED or UNPRINTED.

The E. B. EDDY CO., Limited

Hull, Montreal, Toronto, Quebec, Hamilton, Kingston, St. John, Halifax, Winnipeg, Victoria, Vancouver, St. John's, Nfld.

About "C" Horse-Nails.

We ask your consideration of the following reasons for our making the claim that the "C" brand horse-nails made by our company since 1865 is the best for you to buy.

First :—The material of which they are made. It is the best obtainable—Swedish charcoal steel nail rods—made especially for our work, and imported direct by us from Sweden. We unhesitatingly affirm, that no better material is used by any manufacturer of horse-nails in the world for this purpose.

Second :—The process of manufacture. We forge the nails to the desired pattern from the nail rods while they are hot, and therefore in a malleable condition. Our process thoroughly hammers and consolidates the nail, making it tough and enduring : no other method will do this as satisfactorily. Our methods for polishing, rolling, pointing and finishing the nails differ from those used elsewhere in Canada, and we are satisfied, with much better results.

Third :—When the nails are finished, they are subject to a final careful examination and sorting by hand, so as to prevent a single imperfect nail being found in a box bearing our "C" brand.

Fourth :—We guarantee to every purchaser, that each box of horse-nails bearing our name and trade mark (the letter "C") is perfect and ready for immediate use. They may be returned at our expense if found otherwise.

Any dealer who wishes to secure the farrier trade, can only do so by selling the best horse-nails : The "C" brand will be found the best. They are the standard nails of Canada, and have been thoroughly tested by thousands of farriers from the Atlantic to the Pacific for the past thirty-four years.

We ask those who wish to favour us with their orders, through any wholesale hardware merchant, to be particular and specify for the "C" brand made by the

CANADA HORSE NAIL COMPANY
MONTREAL

THE SPRING TRADE

To secure thoroughly reliable goods send your orders for

Ready-Mixed House and Floor Paints,
Varnishes, Japans, Coach Colors,
White Lead, Colored Paints, Enamels,
Wood Stains, Wall Tints, Putty, etc.

To **Henderson & Potts,** NOVA SCOTIA PAINT AND VARNISH WORKS,

HALIFAX, and 747 Craig St., MONTREAL.

Sole Agents for the Dominion for **Brandram's Celebrated White Lead.**

UNION HOCKEY SKATES

These goods will be found to be beautiful in design, finish and workmanship. The points of excellence are: **STRENGTH,** which is guaranteed. **WEIGHT,** which is light. **PROPER LINES** to fit sole of boot. **CORRECT EDGE** of blade, which insures power and speed. **HEIGHT and HANG** for ease of stroke and cutting corners.



Plain Runner, Straight. Also Puck Stopper.

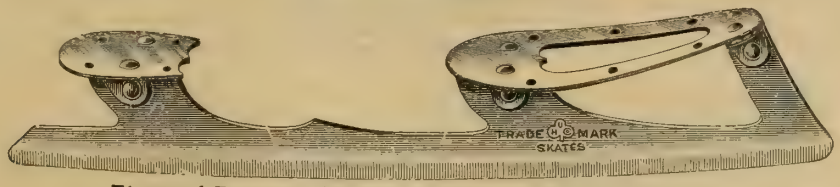


Flanged Runner. Also Puck Stopper.

DOMINION MFG. & SKATE CO.

MONTREAL
40 Nazareth Street.

THESE PATTERNS MADE IN ALL VARIETIES OF FINISH AND QUALITY

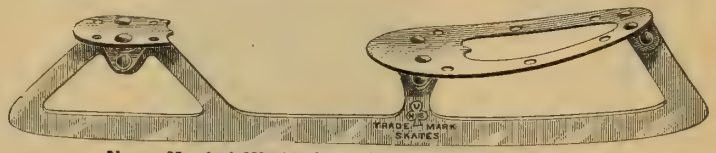


Flanged Runner, Curved or Rocker Blade, for Ladies.



New Model Hockey, Arched Heel.

THE LARGEST AND MOST COMPLETE LINE ON THE MARKET



New Model Waltzing, for Men and Women.

Made in Canada.

UNION HARDWARE CO.

New York Office:
95 Chambers Street.

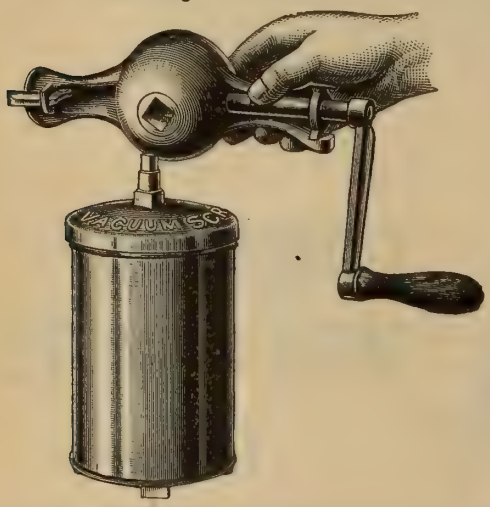
TORRINGTON, CONN., U.S.A.

Dealers Doubled their Dollars

by adopting the proposition we made them last year. We approached them then with what we *thought* would win out. **This Year** we ask you to take advantage of what *has proved* itself a winner. We have letters from dealers saying it increased their freezer business last year 200 per cent. With the first order for 1 dozen Peerless Iceland Freezers we advertise them so as to send freezer customers to your store—they will buy other goods as well as freezers. Write us. The particulars will interest you.

Peerless Iceland Freezers

Sell Easily. **Ice Cream in 3 Minutes.** **Satisfy Perfectly.**



(We have a record of one minute and forty-five seconds, but above allowance is for inexperienced people).

No complicated machinery to get out of order.

Gearing enclosed both top and bottom.

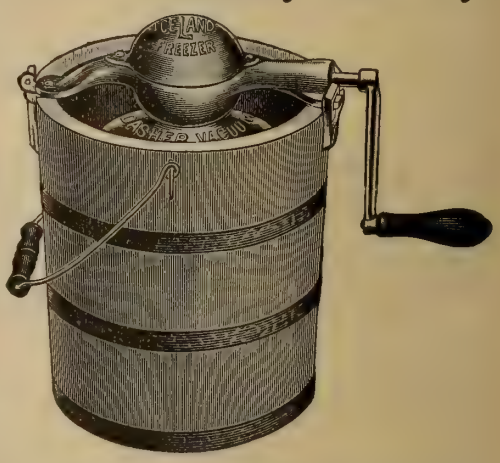
No cogs on can top to catch ice and salt.

Metal parts all coated with pure block tin.

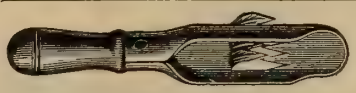
The Freezing Freezer.

W. G. Putman had a big crowd all day yesterday, watching the man making ice cream in two and a half minutes. This was done with the Peerless Iceland Freezer, and the callers at the store were served with the cream during the day. The freezer is substantially built and is the best on the market. Just to show what it could do one batch of cream was frozen in one and three quarter minutes. It is absolutely salt water proof.—*Peoria Herald.*

all and one gus the was linc bas on Ic as a had



DANA & CO., Cincinnati, O., U. S. A.
Department "R."



The Peerless Ice Chipper Made from one solid piece of steel heavily coated with tin. Chips ice properly and rapidly. Best tool made for the purpose. Saves time and ice.

The Round Reacting Washer.

A STRICTLY FIRST-CLASS MACHINE AT A REASONABLE PRICE.

Most Efficient

A Quick Seller



No other machine so easily operated.

Closed in—keeping suds hot and preventing escape of vapor into the room.

We commend these machines to the trade.

SEND FOR PRICES AND CIRCULARS.

The Dowswell Mfg. Co., Limited, Hamilton, Ont.

TORONTO,
Dec. 20th, 1899.

WE THANK our customers for the Liberal Patronage extended to us during this year, and wish one and all a . . . . .

Merry Christmas
AND A
Prosperous New Year.

KEMP MANUFACTURING CO.
TORONTO.

HARDWARE AND METAL

Vol. XI. MONTREAL AND TORONTO, DECEMBER 23, 1899. No. 51

President,
JOHN BAYNE MacLEAN,
Montreal.

THE MacLEAN PUBLISHING CO.

Limited.

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

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TORONTO - - - - - - 26 Front Street West, Telephone 2148.
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Subscription Canada, $2.00 Great Britain, $3.00

Published every Saturday

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WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

BANK FAILURES AND ROGUERY.

THE failure of a chartered bank in Canada is a very rare occurrence. This speaks well, both for the financial condition of the country and for the system under which our banks do business.

But, every bank failure of the last 15 or 20 years, as far as our memory serves us, has, directly or indirectly, been traceable to fraudulent practices.

This speaks badly for the system of inspection which is supposed to be carried on.

When a bank receives a charter, it is endowed with extraordinary powers. And the authority—which is, of course, the Government—which gives it this power is responsible for the providing of ways and means which shall prevent the bank deceiving and defrauding the public, as the Central Bank did some 15 years ago, and as the Ville Marie Bank has been doing of late years.

Rogues can usually find ways to work evil, but it is evident the rogues who are in official positions in banks have an altogether too easy task when they want to put nefarious schemes into practice.

ARBITRATION IN BUSINESS DISPUTES.

EVERYONE should think twice before he takes a dispute into court. Whether he loses or wins he will, ten chances to one, be out of pocket thereby.

In view of this experience, it is strange that more disputes are not submitted to an arbitrator upon whose decision both parties would agree to rest their case.

Take for instance partners who have got into a dispute over some matter appertaining to their business which can only be settled by a third party. Why should they not, instead of retaining lawyers and going before a court, call in an intelligent business man and allow him to unravel the difficulty? He would certainly do it as well as a judge, and certainly with infinitely less expense.

This matter of arbitration has almost unlimited possibilities. There are, for instance, questions arising as to the value of stock, the valuation of accounts and numerous other particulars which might be cheaply and expeditiously settled were they submitted to a business man in whom all parties had confidence.

CONSULTING THE TRAVELERS.

HARDWARE AND METAL has, durduring the past few weeks, been urging firms who do not now do so to hold a convention of their travelers at least once a year. We therefore make no apology for reproducing the following extract from the address of General Manager Walter H. Cottingham at the recent convention of the travelers of the Sherwin-Williams Co., Cleveland, because it so strongly emphasizes the point we have been trying to make:

"I believe the success—the magnificent success which has always attended our company—is due in no small measure to our policy of consulting freely with all connected with us and getting their ideas and suggestions for the best methods and plans of pushing forward the business.

"You, gentlemen, can especially help us in this respect. You are the army in the field, fighting at the front, and see by personal observation our plans and schemes in actual operation, and should be able to tell us where they are effective and where defective."

There is no gift that will go so far as a kind word, and there are none so poor that cannot bestow it liberally,

AN ADVANCE OF 500 PER CENT.

There have been many remarkable advances in the iron and steel trades during the past year, but we can remember nothing that has advanced to the same extent as have cast borings in the United States.

At points where these borings could be bought less than a year ago at $1.50 per ton the figures are now $9 per ton.

In other words, there is an advance of 500 per cent.

FURTHER CHANGES IN PRICES.

ADVANCE IN TWINES.

MANUFACTURERS of twine and hemp cordage in Canada have advanced their prices. The lines affected are wrapping twines ; cotton, sisal and hemp bed cords ; cotton, sisal and hemp plough lines, cotton rope and hemp rope.

BRASS GOODS ARE DEARER.

An advance is announced in such lines of brass goods as drapery hooks, pole sockets, pole brackets, pole joints, curtain pole trimmings, slide-head picture nails, shade pulls, drapery chains, etc.

The advance is all the way from 15 to 25 per cent.

RISE IN LAMP BRACKETS.

The manufacturers of lamp brackets have advanced their prices. American brackets are quoted 33⅓ per cent. higher than a few weeks ago.

SCYTHE STONES UP 25 PER CENT.

Jobbers in Canada have been advised of an advance in scythe stones of American manufacture. In consequence of this advance, retailers will have to pay about 25 per cent. more than they did last season.

SHARP ADVANCE IN ELBOWS.

A sharp advance in the price of one-piece elbows is announced. The price per dozen net, together with that formerly ruling, is as follows :

	New Price.	Old Price.
No. 2—5, 6, and 7-inch.....	$1 60	$1 00
No. 1—5, 6, and 7-inch.....	1 80	1 15

This is an advance of about 60 per cent.

Polished elbows are 20c. per dozen advance on the above. They were formerly 15c. per dozen extra.

Trade for this season is over, and some dealers have been fortunate enough to have placed orders for the bulk of their next season's supply. As far as can be learned, however, only a few have done this.

ADVANCE IN SCREEN DOORS AND WINDOWS.

The manufacturers of screen doors and windows in Canada have jointly agreed upon an advance in prices. This was decided upon on December 21.

The extent of the advance HARDWARE AND METAL is not yet in a position to state, the new lists not having been issued.

The increased cost of lumber and screen wire cloth is the direct cause of the advance.

HARDWARE AND METAL has been given to understand that the manufacturers have decided to purchase their screen wire cloth from the Canadian manufacturer. If this is so, the latter, together with the demands that will be made from other sources, will obviously be kept pretty busy.

COAL HODS AND GALVANIZED WARE.

The trade discount on coal hods and galvanized ware (except refrigerators or ice chests and chamber pails) has been fixed at 45 per cent.

SOLDER EASIER.

In some lines the quiet season has induced manufacturers to shade prices to encourage buyers to do business. One of the lines so affected is solder, which shows a decline of ½c. throughout.

Half-and-half is now quoted at 19½ to 20½c.; refined, 19 to 19½c.. and wiping, 18½ to 19c.

The new quotations were received after page 38 had gone to press, so last week's figures are still quoted there.

FURTHER ADVANCE IN SCREEN CLOTH.

Screen wire cloth of Canadian manufacture has again advanced.

The price per 100 square feet is now $1.90. Terms are 4 months May 1 ; 3 off 30 days.

The advance is 5c., and is one of several that has taken place during the last few months.

A year ago the price of screen wire cloth was $1.20 per 100 square feet, or nearly 60 per cent. less than now quoted. But there are a good many lines which have appreciated more than screen wire cloth.

DECLINE IN PIG TIN.

Pig tin continues to fluctuate, with the tendency still downward. And in sympathy with this tendency, wholesale dealers in Canada have this week reduced their quotations 2c. per lb., the ruling figure to the retail trade now being 35c. per lb.

INGOT COPPER EASIER.

Ingot copper is easier. Quotations in Toronto are ½c. per lb. lower, at 19½ to 20½c. per lb.

THE WHOLESALE MEN MEET.

THE executive committee of the Wholesale Hardware Association held a meeting in Montreal, Friday, December 15, when a lot of matters were discussed and the programme for the ensuing year considered.

Probably the most important matter talked over was the coming quarterly meetings of the Makers' Associations, which are to be held at Toronto in January, the jobbers considering that a lot of details in regard to the relations between the makers and themselves require attention.

Those present at the meeting were : The president, T. H. Newman (Caverhill, Learmont & Co.); the vice-president, P. Howland (H. S. Howland, Sons & Co.) ; T. B. Lee (Rice Lewis & Son, Limited); John Bowman (Bowman Hardware Co.) ; R. H. Angers (Frothingham, Workman & Co.), and A. Jeannotte (L. H. Hebert & Co). Other Montreal men at the meeting were : J. P. Seybold (Seybold, Son & Co.), and S. McPherson (A. McPherson & Son).

HIGHER FREIGHT RATES ON IMPLEMENTS.

UNDER the new freight rates, which go into force in the United States on January 1, 1900, agricultural implements are placed in the fifth instead of in the sixth class.

This will mean an advance of 5c. per 100 lb. on this line of goods.

The agricultural implements imported into Canada from the United States during 1897 and 1898 were as follows :

	1897.	1898.
Cultivators	$ 20,094	$ 14,036
Drills, grain, seed	32,136	53,806
Harrows	30,182	36,155
Harvesters.....	203,537	407,405
Horse rakes	16,357	31,578
Mowing machines.....	92,878	189,617
Ploughs.....	76,296	159,586
Scythes	15,282	19,387
Spades, shovels	20,340	10,253
Threshers and separators ...	27,518	38,002
Total.....	$534,620	$959,815

In the face of these figures, importers of agricultural implements from the United States will not be altogether uninterested in the higher freight rates.

HIGH PRICES FOR OLD MATERIAL.

NEARLY all lines of scrap metals have risen greatly in price during the present year, the advances being due largely to the large business done by the foundries, and the enhanced value of pig metals.

In iron, an advance of 5c. makes the price of all lines fully 50 per cent. higher than a year ago. Copper and brass for some time have been from 40 to 50 per cent. dearer than they were last year.

As may be seen from the following table, which shows the prices paid by buyers, scrap lead and zinc also show an advance :

	1898. Cents.	1899. Cents.
Agricultural scrap iron per cwt.....	40	70
Machinery cast scrap iron per cwt...	52	70
Stove cast scrap iron per cwt.....	30	45
No. 1 wrought scrap iron per cwt...	40	65
New light scrap copper per lb.....	8	12
Heavy scrap copper per lb.....	8½	14
Heavy yellow scrap brass per lb.....	6	10
Light yellow scrap brass per lb.....	4½	7
Heavy red scrap brass per lb.....	7	11
Scrap lead per lb.....	2¼	2½
Scrap zinc per lb.....	2¾	3

Metals are not the only old materials which are high in price this year. The scarcity of new rubber has caused keen competition for all scrap rubber, and forced up prices from 3½ to 3¾c., the price of the past two years, to 6c., an advance of ½c. this week bringing the price to this figure. Clean dry bones show a rise of 5c., the price now being 40 to 50c. per 100 lb.

THEY LACK CONTINUITY.

Many intelligent and promising young men fail to attain much success in life because of a lack of continuity.

To-day they are employed at one thing, and to-morrow they are at another.

To-day they imagine they are more suited for this vocation. To-morrow it is something else. The result is, they are never long enough at one thing to be master of it.

And what a man is not master of he is never successful at.

THE DUTY ON FILES.

In contending against the ruling of the Customs authorities that files shall be appraised for duty at to-day's ruling prices in the country of production, and not at the prices which prevail at the time they were purchased, the importers assert that they would not have so much objection to this ruling were it not for the fact that the jobbers in the United States are still also getting delivery at the old prices. They hold, therefore, that the figures at which they bought is the price at which their importations should be appraised for duty.

PAYING SMALL AMOUNTS BY CHEQUE.

MERCHANTS should not, when paying small amounts to firms outside the towns in which they live, do so through the medium of cheques.

Every cheque that is payable outside the town where it is made is only cashed by the bank upon the payment of 25c. This is obviously an unjust tax on the firm in whose favor the cheque is made.

Only the other day, one firm received a cheque for $2, and the charge of 25c. to cash this meant a loss of over 12 per cent. on this account. On a $4 account there was a loss of over 6 per cent.

Where the account is $25, or less, it only seems right that it should be sent by post office order or through one of the express companies. For amounts not exceeding $5, a postal note might be utilized, for which the charge is only 3c.

We feel that those who are in the habit of paying small amounts by cheque only need to be reminded of it to discontinue it, or else add to the amount of the account the bank charge of 25c.

AN IRRITATING LABOR PROBLEM.

ANYTHING but a satisfactory condition of affairs exists in the edge tool trade of Sheffield. Through ths machinations of the unionists employed in the trade the employment of apprentices has been curtailed, which has, of course, had its effect upon the source from which journeymen come.

The evil effect of this is now being exemplified, for, do what they will, the manufacturers cannot keep up with their orders ; and the workmen are not forthcoming to supply the demand of the labor market, while, to make matters still worse, many of the men who are employed will not work more than about half time.

When it is understood that some of the edge tool manufacturers have already orders on their books to keep them going for another year, it is obvious how irritating the labor question must be to them.

NORTHWEST TRAVELERS.

The annual meeting of the Northwest Commercial Travelers' Association was held on Saturday evening, when the reports for the year showed a largely increased membership and all the interests of the organization in most flourishing condition.

After the business was transacted, Mr. Fred Drewry, the retiring president, entertained the members at an oyster supper at Sloan's restaurant. The affair was something of a surprise to the members and proved most enjoyable, as song and story were passed round with the bivalves.

GREETINGS TO OUR READERS.

HARDWARE AND METAL is always solicitous for the welfare of its readers, but it is particularly appropriate at this season that it should give expression to it.

The air at the moment is laden with the exchange of Christmas greetings. "A Merry Christmas" and "Compliments of the Season" we hear on all hands. HARDWARE AND METAL joins the throng, and wishes its readers the best kind of a Merry Christmas.

Money-making should not be the end of a merchant's life. But, unless he is meeting with some degree of prosperity, it is somewhat difficult for him to be merry at Christmas or during any other festive season.

If there has, however, been a Christmas when the merchants of Canada have had reason to be merry, because of the favorable business conditions, it is the one we are now entering upon.

Be a Santa Claus if you would be a merry man.

ROWED RACES ON DECEMBER 1.

A regatta was held on the Red River, Winnipeg, on December 1. The day was balmy, and among the people who occupied the river banks, watching the contests, were a number of ladies, who found the sun warm enough for them to hoist their parasols.

And Winnipeg is generally looked upon as being one of the coldest cities in Canada.



A THANKFUL CHRISTMAS HEART.

The Kid Hangs Up His Stockings.

BY JACOB A. RIIS, IN THE CENTURY.



THE clock in the west-side lodging-house ticked out the seconds of Christmas eve as slowly and methodically as if six fat turkeys were not sizzling in the basement kitchen against the morrow's spread, and as if two score boys were not racking their brains to guess what kind of pies would go with them. Out on the avenue the shopkeepers were barring doors and windows, and shouting "Merry Christmas" to one another across the street as they hurried to get home. The drays ran over the pavement with muffled sounds; winter had set in with a heavy snowstorm. In the big hall the monotonous click of checkers on the board kept step with the clock. The smothered exclamations of the boys at some unexpected, bold stroke, and the scratching of a little fellow's pencil on a slate, trying to figure out how long it was yet till the big dinner, were the only sounds that broke the quiet of the room. The superintendent dozed behind his desk.

A door at the end of the hall creaked, and a head with a shock of weather-beaten hair was stuck cautiously through the opening.

"Tom!" it said, in a stage whisper. "Hi, Tom! Come up an' git on ter de lay of de Kid."

A bigger boy in a jumper, who had been lounging on two chairs by the group of checker players, sat up and looked toward the door. Something in the energetic toss of the head there aroused his instant curiosity, and he started across the room. After a brief whispered conference the door closed upon the two, and silence fell once more on the hall.

They had gone but a little while when they came back in haste. The big boy shut the door softly behind him and set his back against it.

"Fellers," he said, "what d'ye t'ink? I'm blamed if de Kid ain't gone an' hung up his sock for Christmas!"

The checkers dropped, and the pencil ceased scratching on the slate, in breathless suspense.

"Come up an' see," said Tom, briefly, and led the way.

The whole band followed on tiptoe. At the foot of the stairs their leader halted.

"You don't make no noise," he said, with a menacing gesture. "You, Savoy!" to one in a patched shirt and with a mischievous twinkle; "you don't come none o' yer monkey-shines. If you scare de Kid you'll get it in de neck, see!"

With this admonition they stole upstairs. In the last cot of the double tier of bunks a boy much smaller than the rest slept, snugly tucked in blankets. A tangled curl of yellow hair strayed over his baby face. Hitched to the bedpost was a poor, worn little stocking, arranged with much care, so that Santa Claus should have as little trouble in filling it as possible. The edge of a hole in the knee had been drawn together and tied with a string to prevent anything falling out. The boys looked on in amazed silence. Even Savoy was dumb.

Little Willie, or, as he was affectionately dubbed by the boys, "the Kid" was a waif who had drifted in among them some months before. Except that his mother was in the hospital, nothing was known about him, which was regular and according to the rule of the house. Not as much was known about most of its patrons; few of them knew more themselves, or cared to remember. Santa Claus had never been anything to them but a fake to make the colored supplements sell. The revelation of the Kid's simple faith struck them with a kind of awe. They sneaked quietly downstairs.

"Fellers," said Tom, when they were all together again in the big room—by virtue of his length, which had given him the nickname of "Stretch," he was the speaker on all important occasions—"ye seen it yerself. Santy Claus is a-comin' to this here joint to-night. I wouldn't a' believed it. I ain't never had no dealings wid de ole guy. He kinder forgot I was around, I guess. But de Kid says he is a-comin' to night, and what de Kid says goes."

Then he looked around expectantly. Two of the boys, "Gimpy" and Lem, were conferring aside in an undertone. Presently Gimpy, who limped, as his name indicated, spoke up:

"Lem says, says he—"

"Gimpy, you chump! you'll address de chairman," interrupted Tom, with severe dignity, "or you'll get yer jaw broke, if yer leg is short, see?"

"Cut it out, Stretch," was Gimpy's irreverent answer. "This here ain't no regular meetin', an' we ain't goin' to have none o' yer rot. Lem, he says, says he, 'Let's break de bank an' fill de Kid's sock. He won't know but it was Ole Santy done it.'"

A yell of approval greeted the suggestion. The chairman, bound to exercise the functions of the office in season and out of season, while they lasted, thumped the table.

"It is regular motioned an' carried," he announced, "that we break de bank fur de Kid's Christmas. Come on, boys!"

The bank was run by the house, with the superintendent as paying teller. He had to be consulted, particularly as it was past banking hours; but the affair having been succinctly put before him by a committee, of which Lem and Gimpy and Stretch were the talking members, he readily consented to a reopening of business for a scrutiny of the various accounts which represented the boys' earnings at selling papers and blacking boots minus the cost of their keep and of sundry surreptitious flings at "craps" in

secret corners. The inquiry developed an available surplus of $3.50. Savoy alone had no account; the run of "craps" had recently gone heavily against him. But, in consideration of the season, the house voted a credit of 25c. to him. The announcement was received with cheers. There was an immediate rush for the store, which was delayed only a few minutes by the necessity of Gimpy and Lem stopping on the stairs to "thump" one another as the expression of their entire satisfaction.

The procession that returned to the lodging-house later on, after wearing out the patience of several belated storekeepers, might have been the very Santa's supply-train itself. It signalized its advent by a variety of discordant noises, which were smothered on the stairs by Stretch with much personal violence, lest they wake the Kid out of season. With boots in hand and bated breath, the midnight band stole up to the dormitory and looked in. All was safe. The Kid was dreaming, and smiled in his sleep. The report roused a passing suspicion that he was faking, and Savarese was for pinching his toe to find out. As this would inevitably result in disclosure, Savarese and his proposal were scornfully sat upon. Gimpy supplied the popular explanation.

"He's a-dreamin' that Santy Claus has come," he said, carefully working a base-ball bat past the tender spot in the stocking.

"Hully gee!" commented Shorty, balancing a drum with care on the end of it. "I'm thinking he ain't far out. Looks 's ef de hull shop'd come along."

It did when it was all in place. A trumpet and a gun that had made vain and perilous efforts to join the bat in the stocking, leaned against the bed in expectant attitudes. A picture-book, with a pink Bengal tiger and green bear on the cover, peeped over the pillow, and the bedposts and rail were festooned with candy and marbles in bags. An express wagon with a high seat was stabled in the gangway. It carried a load of fir branches that left no doubt from whose livery it hailed. The last touch was supplied by Savoy in the shape of a monkey on a yellow stick, that was not in the official bill of lading.

"I swiped it for de Kid," he said briefly, in explanation.

When it was all done the boys turned in, but not to sleep. It was long past midnight before the deep and regular breathing from the beds proclaimed that the last had succumbed.

The early dawn was tinging the frosty window panes with red, when, from the Kid's cot, there came a shriek that roused the house with a start of very genuine surprise.

"Hello!" shouted Stretch, sitting up with a jerk and rubbing his eyes. "Yes, sir! in a minute. Hello, Kid, what to—"

The Kid was standing barefooted in the passageway, with a baseball bat in one hand and a trumpet and a pair of drumsticks in the other, viewing with shining eyes the wagon and its cargo, the gun and all the rest. From every cot necks were stretched, and grinning faces watched the show. In the excess of his joy, the Kid let out a blast on the trumpet that fairly shook the building. As if it were a signal, the boys jumped out of bed and danced a breakdown about him in their shirt-tails, even Gimpy joining in.

"Holy Moses!" said Stretch, looking down, "if Santy Claus ain't been here an' forgot his hull kit, I'm blamed!"

THE TIN SITUATION.

Discussing the tin situation, W. J. Russell & Co.'s circular says: "The already large premium on spot and December delivery tin will within the next few days probably show a material increase, irrespective of what the course of the London market may be. The incidents which have brought about the present conditions are readily traced. The steamer Indrani, with a large quantity of tin, was due to arrive the end of November. Meeting with an accident en route, this vessel was towed into Madeira, and from thence went into Lisbon where she discharged cargo and went into dry dock. The accident, as at first reported, was the breaking of her tail shaft. On Saturday we received special advices that it was found that cracks existed in her steam tubes, and additional machinery had to be sent to Lisbon, only arriving there on Saturday. We are advised that the steamer cannot possibly sail from Lisbon before Christmas, and will not be due here until January 9, which means that her tin will not be ready for delivery before January 15. Of late, arrivals here have been moderate, and, consumers having bought more freely at the lower prices, our spot stocks on December 15 were down to 1,417 tons. Only a few hundred tons will arrive here during the remainder of this month, importers having been timid about bringing out tin from London. If it were not that the stock of spot tin and the arrivals to come in are closely concentrated, there would be no premium to speak of, as competition would keep prices close to importation cost, but it is a fact that at least 90 per cent. of the spot tin here is held by two firms."

Mr. B. A. Burke, representing the Meyers Putz Pomade Co., of Boston, is in Toronto this week in the interests of his firm.

HAD CASH, COULDN'T PAY CASH.

A MERCHANT doing business in a town a short distance from Toronto tells a good story illustrative of the credit system which is somewhat at his own expense.

A short time ago he sold a stove to a farmer. The latter asked for and obtained six months' credit. One day not long after the sale was made the farmer rushed into the store, exclaiming as he did so:

"Say, have you heard anything about the bank of ——?"

"No; what's wrong?"

"Well, I hear it's in pretty shaky condition, and that the president has been deposed. I wish you'd try and find out for me."

"I will," said the obliging storekeeper. "Are you interested in the bank at all?" he queried.

"Well, I should say I am," replied the farmer. "I've $3,000 solid cash on deposit there."

The storekeeper thought of his unpaid account, but said nothing. "You know I was afraid of offending him," he explained to a friend.

CANADIAN PRODUCTS WANTED.

Mr. Harrison Watson, curator of the Imperial Institute, London, England, has received the following inquiries for Canadian products:

1. A firm claiming a valuable invention wishes to represent a Canadian manufacturer of rattan cane chairs, and states that there exists a good market for the same.

2. A London importing house would handle large quantities of Canadian hay at London, Liverpool, Glasgow, Manchester, etc., and invites correspondence from exporters.

3 A Yorkshire firm is open to import barrows cut to dimensions for putting together.

4. A wholesale picture frame manufacturer wishes to hear from Canadian exporters of backboards.

5. A London importer asks for names of Canadian fruit pulp packers.

6. A North of England house is prepared to represent a Canadian manufacturer who can supply sashes and doors in large quantities. Applicants kindly state prices f.o.b. Canadian ports, and also c.i.f. leading United Kingdom ports.

WIRE NAILS
TACKS
WIRE

Prompt Shipments

The ONTARIO TACK CO
Limited
HAMILTON, ONT.

BUSINESS SECRETS.

HE is a wise man who can keep his own counsel. Many a successful career has been founded on an observance of this principle, and thousands of otherwise intelligent men can trace their failures to its neglect, says Stoves and Hardware Reporter. People are sometimes enjoined, "Don't be a clam!" That rather succulent crustacean may be slow and nonprogressive, but he has sense enough to keep his mouth shut and in this way sets an example to most of those who decry his inability to move.

Business secrets are a part of the stock-in-trade. No merchant cares to tell a customer what his goods have cost him in each specific case or to initiate him into the mysteries of the cost-mark. Nor is he willing to let everyone know the secret of his own success in buying so that he can outdo a competitor. He has other secrets that should be kept as inviolate as the combination on his safe, and yet a good many secrets of almost equal value are made semi-public property because the owner has not enough wisdom to keep them to himself. Many people have a mania for talking, and their lingual weapons are so efficient that the result is social murder or suicide.

On the other hand, a business man may be apparently frank in telling of his affairs when he is actually concealing them in effect. The manufacturers of a well known brand of metal unhesitatingly make public the formula by which the metal is made, giving the constituent parts and their percentages. This formula has been used by others, but they could not produce the same results. The secret lies in the process of combining the parts, not in their percentages, and that secret cannot be bought under any circumstances whatever.

The secrets of success in business are public property for those who understand and can enforce their use. They cannot be manufactured nor explained. They exist in most men in their own particular sphere, but the great trouble is in the lack of comprehension. Many men cannot be instructed in any matter affecting their own personality. They act in all matters according to their own understanding, and will not learn because they are incapable of learning. Yet it does not seem difficult to appreciate and act upon the maxim that he is a wise man who keeps his own counsel.

Knowledge is the Guide

to wisdom. Those who know most about The Sherwin-Williams Paints are the ones who use them most.

You can test the paints in the package, under the brush, or applied to the surface and they'll always prove their superiority. We want them tested; we want you to become thoroughly acquainted with them.

We make the paints from the best material we can get, every bit of it tested. We grind and mix them on special machinery of our own design and manufacture. Our workmen are life-long experts. Our standards of quality are the highest.

We know every package of paint we send out is the very best paint for the purpose that can be made. It will stand every test.

THE SHERWIN-WILLIAMS CO.
PAINT AND VARNISH MAKERS.

Canadian Division:
21 St. Antoine St.,
Montreal.

CLEVELAND. BOSTON.
CHICAGO. TORONTO.
NEW YORK. SAN FRANCISCO.
MONTREAL. KANSAS CITY.

FREE TRADE IN PAPER AND PULP.

A Chicago paper says: "Admitting that the rapidly advancing paper market is largely due to drought and unprecedented demand, still no reasonable excuse can longer be advanced for retaining the protective duty on wood pulp and printing paper. The industry of paper-making is no longer the infant pictured by duty advocates—and another thing, Canadian forests must be entered that we may save a respectable remnant of our own."

CARVING-KNIVES AND THEIR TREATMENT.

CARVING KNIVES should, to begin with, be of the best steel, and then should always be kept in the highest condition. A good knife saves time and trouble, while the portions and joints look so much better than if an instrument with a blunt-cutting edge has been used. It is well for an ironmonger when offering these goods for sale to thoroughly understand not only the construction of the article he sells, but the best manner of using it. A few hints given by a Sheffield manufacturer when discussing this subject, may be useful. He says: "I have handled carving-knives both in business and at my table for many years, and I know the best knives will not cut properly when used on hot roast beef unless the steel is used after every few cuts. The best way is to use the steel after every cut. The steel need not be rough, as some people imagine—in fact, a well worn steel is better than one with a rough surface, and a few passes over it with the knife produces a good edge. The man who rubs and manipulates a carving-knife for five minutes against a steel before he begins to carve, and thinks that now he has it all right and may send the steel away, makes a great mistake. He should keep the steel handy, and pass the knife over it lightly a few times after every cut or two. And even then he will accomplish nothing unless he knows how to use the two instruments. A carver must be held at an angle of 20 to 25 deg. on the steel. One must be careful to have the angle the same on both sides, otherwise the knife will be dull instead of sharp. The knife should be drawn on the steel from heel to point against the edge, and the pressure should be very light."—Ironmongers' Chronicle (England).

A CHANGE IN TERMS.

The following is a copy of a circular which The E. B. Eddy Co., Limited, of Hull, is sending out to its customers:

Owing to the recent increased and steadily-increasing cost of all materials used in our various lines of goods, and also because we have to pay cash down for our supplies, we find it necessary to change the terms of payment for our goods.

Will you please, therefore, fall in with a uniform cash discount of 2½ per cent. in 10 days, or 2 per cent. in 30 days, except on paper bags and flour sacks, the terms on which are at present as advised by the Paper Bag and Flour Sack Association, 3 per cent. for cash in 30 days.

LIMIT OF PIG IRON PRODUCTION REACHED.

THE AMERICAN MANUFACTURER predicted last month that the output of pig iron for November would reach a capacity of more than 300,000 gross tons per week. This has more than been accomplished, as the figures show that the estimated capacity for furnaces in blast on December 1 was 304,785 tons per week, an increase of 7,527 tons per week over the month previous.

This brings the production to December 1, 12,235,723 gross tons. This will make the probable production for 1899 13,454,863 tons, or an increase of 1,680,929 tons over the production of 1898. The amount of pig iron remaining in storage or stock at the close of last year, which was considered about normal, about half a million tons, not counting the amount in the hands of steel-makers, holding stocks that were not for sale.

The price of pig iron has about reached its limit for the year. Buying has ceased for immediate delivery, and orders are being taken for the latter part of next year. Bessemer pig iron sold at the beginning of the year as low as $10.75, Pittsburg, and has advanced to $25.25. Foundry No. 1 sold at $10.75 at the beginning of the year, and closes at $25; No. 2 foundry began at $10.25 and closes at $23.75. All the other metals advanced in proportion.

During the month of November one additional charcoal furnace was put in blast. The weekly capacity was increased 167 tons; four additional coke furnaces were put in blast, and the capacity increased 2,552 tons, and one coke and bituminous furnace was blown in, and the capacity increased 4,808 tons. There are still 119 furnaces out of blast with a weekly capacity of 51,365 gross tons.

There are absolutely no stocks beyond what are being used from day to day. Mills have to be closed occasionally because of the dearth of fuel, on account of the scarcity of cars, and affairs are almost as bad in regard to pig iron.—American Manufacturer, December 14.

THE COST OF PIG IRON.

Follow is the estimate of the Dominion Iron and Steel Company in detail for the cost of making pig iron at Sydney:

1.8 tons of ore	$1.80
1.25 tons of coke	1.80
.75 tons of limestone	40
Labor, repair and incidentals	1.30
	$5.30

To convert the pig iron into steel billets will cost about five dollars per ton, so that steel billets can be produced for about $10.50. The cost of manufacture at Pittsburg is largely in excess of this figure, and even at Alabama, where pig iron is made cheaper than anywhere in the world, the cost is higher than the estimate given for Sydney. Sydney iron could be laid down in Great Britain for $8 per ton; the lowest ruling market price ever recorded was $9.03, in 1888, and the present price is $20.68.

It is quite evident from the above figures that The Dominion Iron and Steel Company will be able to sell iron and steel at a profit even when prices are at the lowest ebb during periods of world-wide depression.—Cape Breton Advocate.

IVER JOHNSON BICYCLES

NOT CONTROLLED BY THE TRUST

HONEST CYCLES at... HONEST PRICES

A $50 Bicycle Selling for $35.

The 1900 Iver Johnson

While the list prices on our wheels have been reduced, the quality has not been cheapened. Our line is complete, including models listing at **$25, $35, $45, $50 and $60.**

We invite your inspection of all and a comparison with others.

We equal all in quality.
We surpass all in price.

Our $35 Model is $15 under the market.

Send for Catalogue.....

IVER JOHNSON'S ARMS & CYCLE WORKS,

BRANCHES:—
NEW YORK—99 Chambers St.
BOSTON—408 Washington St.
WORCESTER—304 Main St.

FITCHBURG, MASS.

Use Gilbertson's Tinplates

for the following reasons:

They are heavily coated with Tin.
They are of soft Siemens quality.
They are noted for deep stamping qualities
They are the best for canning purposes.
They cost NO more than inferior brands.

Gilbertson's make the following brands and qualities:

"Gwyned," Coke Finish,
"Regina," Coke Finish,
"Comet," Charcoal Finish,
"Lincoln," Charcoal Finish,
"Crown," Charcoal Finish,
"Pontardawe," Best Charcoal Finish.

BE PARTICULAR to ask for these brands when ordering from your jobbing house. They can be supplied in all sizes and weights.

GILBERTSON'S TERNEPLATES

"Regina" Brand

This is a superior plate and heavily coated—a good roofing plate that will give satisfaction to your customers.

Wholesale Only.

ALEXANDER GIBB

Agent for Canada. 22 St. John Street, MONTREAL.

37-39 West Front Street

TORONTO

WE thank our customers for the LIBERAL PATRONAGE extended us during this year, and wish one and all . . . .

A MERRY CHRISTMAS

AND

A PROSPEROUS NEW YEAR

H. S. HOWLAND, SONS & CO.

WHOLESALE HARDWARE MERCHANTS

TORONTO.

MARKETS AND MARKET NOTES.

QUEBEC MARKETS.

MONTREAL, December 22, 1899.

HARDWARE.

THE volume of business naturally at this season of the year is light, but the firm tone in regard to values is maintained, and the evident desire manifested by buyers to book ahead actively for spring delivery shows that they look for no decline, but rather the reverse. Altogether, the outlook seems most promising. Forward ordering is chiefly conspicuous in the case of wire and wire nails. In other lines also a fair volume of business is noted for the holiday period.

BARBED WIRE — Orders for forward delivery are noted, but only to a moderate extent this week. The base holds firm at $3.60.

SMOOTH STEEL WIRE—Business is quiet, with some inquiry for future delivery. We quote, $3.45.

GALVANIZED WIRE—This is governed by precisely the same conditions. We quote: Nos. 6, 7, 8 gauge, $4.25; No. 9, $3.55; No. 10, $4.40; No. 11, $4 45; No. 12, $3.70; No. 13, $3.85; No. 14, $5.00; No. 15, $5.30; No. 16, $5.50.

FINE STEEL WIRE — Discounts are at 12½ per cent.

BRASS AND COPPER WIRE — Remains the same. Discounts: 50 and 2½ per cent. on brass and 45 and 10 per cent on copper.

FENCE STAPLES—Some inquiry for future shipment is noted. We quote bright $3 75 and galvanized $4.35.

FINE STAPLES— Discounts are as follows: Coopers' staples, 50 per cent.; poultry netting, 40 per cent., and electrical, etc., 40 per cent. discount off list.

WIRE NAILS—The feeling is firm on these, and orders for forward and prompt delivery are numerous. We quote $3 30 base, with the miscellaneous list 72½ off list.

CUT NAILS—Quiet and unchanged at $2.60 f.o.b. with the customary rebate of 5c. per keg.

HORSE NAILS — The trade in these is moderate. Discounts are: Standard oval, 50 per cent.; Acadian, 50 and 20 per cent. f.o.b., Montreal and St. John, N.B.

HORSESHOES — Business is quiet. We quote: Iron shoes, light and medium pattern, No. 2 and larger, $3.70; No. 1 and smaller, $3.95; snow shoes, No. 2 and larger, $3.95; No. 1 and smaller, $4.20; X L steel shoes, new light pattern, No. 2 and larger, $4; No. 1 and smaller, $4 25; feather-weight, all sizes, Nos. 0 to 4, $5.25; and toe weight steel shoes, all forward, all sizes, $6.35 f.o.b. Montreal, St. John, N.B., and Halifax, N.S. Delivered f.o.b. in Toronto, Hamilton, London and Guelph 10c. per 100 lb. extra.

SCREWS — Orders are still noted. Discounts: Flat head, bright, 80 per cent.; round head do., 75; flat head, brass, 75; round head do., 67½.

BOLTS AND NUTS — Business is quiet. Discounts are as follows: Carriage bolts, 5-16 and smaller, 50 per cent.; ⅜ and up, 50 per cent.; full square bolts, 65 per cent.; machine bolts, 52 per cent.; coach screw bolts, 65 der cent., and sleighshoe bolts, 70 per cent.



SUCCESS

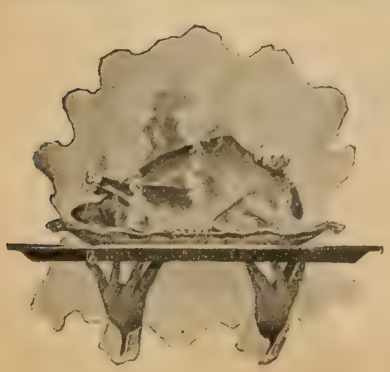
has been yours in the past with



McCLARY'S FAMOUS STOVES

WE WISH YOU CHRISTMAS JOYS

AND MANY HAPPY NEW YEARS



Secure Them for the Future.



THE McCLARY MFG. CO.

London, Toronto, Montreal,
Winnipeg, Vancouver.

What does "workable"

mean in galvanized iron?

Soft flat uniform.

Apollo Iron and Steel Company
26 St Sulpice Street
Montreal

Cements { PORTLAND, ROMAN, KEENE'S

Bricks . . { FIRE, BUILDING, PAVING

Sand . . . { SILICA FIRE, MOULDING, BUILDING

F. HYDE & CO.

31 Wellington street, MONTREAL

English Castor Oil

GUARANTEED PURE.

Pharmaceutical, Tasteless, Cold Drawn
First Pressure
Second Pressure

In cases of 2 tins and in barrels. Stocked by all Hardware, Oil and Color men.

The Hull Oil Manufacturing Co.
LIMITED

B. & S.H. THOMPSON & CO.
Agents for Canada - MONTREAL

CANADA IRON FURNACE CO., Limited

Manufacturers of

CHARCOAL PIG IRON

MONTREAL.

BRAND "C.I.F." THREE RIVERS

PLANTS AT

Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.

Geo. E. Drummond,

Managing-Director and Treasurer

NUTS AND WASHERS—There is no change in nuts, but there has been an advance in washers. We quote: Square nuts, 3½c. per lb. off list, and hexagon 4c. per lb. off list. Washers in 50-lb. boxes 35 per cent.

RIVETS, ETC.—These rule quiet. Discounts are as follows: Black and tinned, 45 per cent.; ditto burrs, 40 per cent.; copper rivets and burrs, 35 per cent.

WRINGERS—Steady and unchanged, with a fair volume of trade at $48 to $60 as to brand, with the usual discounts.

CUTLERY—A small sorting trade is noted in cutlery on holiday account.

SPADES AND SHOVELS — Discounts are unchanged, and orders are moderate for forward account.

CORDAGE—Rules steady. We quote: Manila, 14½ to 15c. for 7 16 and up, and 15½ to 16c. for ⅜ up. Sisal, 12 to 12½c. for 7-16 and up, and 13 to 13½c. for ⅜ and up.

FIREBRICKS—Without change, at $19 to $24 per 1,000, as to brand ex store.

CEMENT — Quiet and unchanged. We quote as follows: Belgian, $2.10 to $2.40; English, $2.45 to $2.60; German, $2.60 to $2.80.

METALS.

The heavy metal and iron market continues firm in tone, and there are no indications of any reaction.

PIG IRON—The market is firm for this material with sales of No. 1 Summerlee at $27 to $27 50, the supply being exceedingly limited.

BAR IRON—Makers state that orders are as numerous as ever. We quote prices firm at $2.50 in a jobbing way.

BLACK SHEETS—These are very firmly held at the rise, and demand is noted. We quote: 8 to 15, $3.10; 18 to 20, $2.90; 22 and 24, $2.95; 26, $3.10, and 28, $3.15.

STEEL—The advance is strongly held. We quote: Sleighshoe, $3; tire, $3; spring, $3.60; machinery, $3.75 and toe calk, $3.65.

GALVANIZED IRON—Spring orders in this line continue numerous. We quote: No. 28 Queen's Head, $4.75 to $5.00, and No. 26, $4 50 to $4.75; Comet, No. 28, $4.45 to $4.70, and No. 26, $4.15 to $4.45.

INGOT COPPER—There is no change to report in this, prices being steady at 18½ to 19c.

INGOT TIN—There has been an easier feeling in ingot tin, and 33c. has been shaded on Lamb and Flag and 34c. on Straits.

LEAD—Without change, the tone ruling firm at $4 50 for jobbing lots.

LEAD PIPE — Quiet but steady. We quote: 7c. for ordinary and 7½c. for composition waste, with 15 per cent. off.

STEEL

BARS, PLATES,
SHEETS, BEAMS,
ANGLES, CHANNELS.

FOR IMPORT.

We solicit your specifications.

A. C. LESLIE & CO.

MONTREAL.



IRON AND BRASS

Pumps

Force, Lift and Cistern Hand and Power.

For all duties. We can supply your wants with —quality the best and prices right. Catalogues and full information for a request.

THE R. McDOUGALL CO., Limited

Manufacturers, Galt, Canada.

ADAM HOPE & CO.

30 JOHN STREET N.

Hamilton, Ont.

GALVANIZED SHEETS
"QUEEN'S HEAD"
"COMET"
"APOLLO B B"
"JUNIATA"

STEEL SHEETS
20 to 28 Gauge

TIN PLATES
CANADA PLATES
SHEET ZINC
RUSSIA IRON

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

IRON PIPE — There is only a quiet trade noted in this line. We quote: Black pipe, ¼ to ⅜, $3.40; ½, $3.60; ¾, $4; 1, $5.75; 1¼, $7.50; 1½, $9.75, and 2-in., $12.75.

TINPLATES — These continue steady at $4.40 for coke and $4.75 for charcoal.

CANADA PLATES — Orders on spring account are increasing. We quote: 52's, $2.80; 60's, $2.90; 75's, $3; full polished, $3.40; galvanized Canada plates, $4.55 for 52's.

TERNE PLATE — Firm at the rise, but trade is light at $8.50.

SWEDISH IRON—Steady, at $3.75.

COIL CHAIN — Remains the same. We quote: No. 6, 12c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-inch, $8; 5-16, $5.65; ⅜, $5.05; 7-16, $4.80; ½, $4.65; 9-16, $4.50; ⅝, $4.45; ¾, $4.40; ⅞ and 1 inch, $4.40.

SHEET ZINC—Cask lots sell at 7c.

ANTIMONY — As last reported, at 10¼c.

SPELTER — Unchanged since last week, at $5.50.

GLASS.

There is no change in window glass, trade being light. We quote: First break, $2.00; second, $2.10 for 50 feet; first break, 100 feet, $3.80; second, $4.00; third, $4.50; fourth, $4.75; fifth, $5.25; sixth, $5.75, and seventh, $6.25.

PAINTS AND OILS.

The market continues quiet, and there are no important changes to report this week. We quote:

WHITE LEAD—Best brands, Government standard, $6.37½; No. 1, $6; No. 2, $5.62½; No. 3, $5.25.

DRY WHITE LEAD—$5.25 in casks; kegs, $6.

RED LEAD—Firm; casks, $4.75; in kegs, $5.

WHITE ZINC PAINT—Pure, dry, 8c.; No. 1, 6½c.; in oil, pure, 9c.; No. 1, 7½c.

PUTTY—We quote: Bulk, $1.65; bladders, in bbls., $1.80; bladders, in cases, $1.95; in tins, $2.05 to $2.30.

LINSEED OIL — Raw, 62c.; boiled, 65c., five to nine-barrels, 1c. less, ten and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—Single barrels, 75c.; two to four barrels, 74c.; five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Firm; $1.10 to $1.30 per gallon.

CASTOR OIL—Firm; 7½ to 8c.

SEAL OIL—37½ to 40c.

COD OIL—32½ to 35c.

NAVAL STORES—Fair demand for all lines, and prices show no change: Resins, $2.75 to $4.50, as to brand; coal tar, $3 to $3.50; cotton waste, 4½ to 5½c. for colored, and 6 to 7½c. for white; oakum, 5½ to 6½c., and cotton oakum, 9 to 11c.

PETROLEUM.

Quiet, but steady, at 18c. for "Acme," and 17c. for "Silver Star."

HIDES.

Unchanged. We quote: No. 1, 10½c.; No. 2, 9½c., and No. 3, 8½c. Lambskins are 85c.

COAL.

Active and firm. We quote: Stove, $6; chestnut, $6; egg, $5.75; Scotch grate, $6.25; Scotch steam, $4.25 to $4.75; Tower ports steam, $3.75 to $4.

ONTARIO MARKETS.

TORONTO, December 22, 1899.

HARDWARE.

THE travelers are in the houses for the holidays, and business has naturally got into smaller compass, but the general report is that there is still a good trade being done, and a remarkably good one considering this time of the year. The trade is practically over in cutlery, only a few sorting-up orders having gone out during the week. Wire is being booked for future delivery. So are harvest tools. Wire nails are in fair demand, and cut nails are quiet. Trade is steady in horseshoes and horse nails. Prices are still advancing in shelf goods. Stovepipe elbows are materially higher. Advances are also to be noted in hemp and cotton cordage, brass drapery hooks, pole sockets, pole brackets, shade pulls, lamp brackets, screen doors, screen windows and American scythe stones.

BARBED WIRE—A fair number of orders for spring delivery are still being booked. We quote $3.60 Toronto, and $3.25 f. o. b. Cleveland for carlots, and $3.35 for smaller quantities.

SMOOTH STEEL WIRE — A little hay-baling wire is going out and orders are still being booked for oiled and annealed wire for spring delivery. Base price is unchanged at $3.45 per 100 lb.

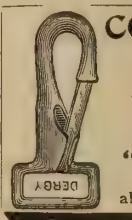
GALVANIZED WIRE—Some import business is still to be noted. We quote: Nos. 6, 7, 8 gauge, $4.25; No. 9, $3.55; No. 10, $4 40; No. 11, $4.45; No. 12, $3.70; No. 13, $3.85; No. 14, $5; No. 15, $5.30; No. 16, $5.50.

WIRE NAILS—Trade keeps fairly active, and prices steady and unchanged. We still quote $3.22½ in carlots Toronto, and $3.30 in less quantities.

CUT NAILS—Business is still quiet and featureless. We quote $2.60 per keg f.o.b. Toronto, Hamilton and London.

HORSE NAILS—Trade is steady and prices

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON' KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL

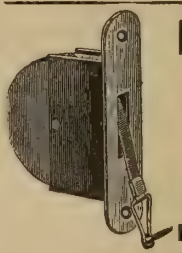

COVERT MFG. CO.
West Troy, N.Y.
DERBY SNAP.
With Plated Rust Proof and Guarded Spring.
"THE LATEST AND BEST."
For Sale by all Jobbers at Manufacturers' Prices.

PRIEST'S CLIPPERS
BALL BEARINGS

Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., U.S.A.

COATES' CLIPPERS

HAND AND POWER, easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel and will not heat. 1899 catalogue ready.
Coates Clipper Mfg. Co.
WORCESTER, MASS.


Pullman Sash Balance Co.
Makers of the
"Pullman" Hardware Specialties
Main Office and Works,
Rochester, N.Y., U.S.A.
On sale all round the globe.

Mackenzie Bros.,
Hardware Brokers and Manufacturers' Agents,
... WINNIPEG
CAN HANDLE GOOD LINES ON COMMISSION.

Travellers covering Manitoba, N.W.T., and British Columbia.

During December a personal interview can be arranged by addressing our Mr. Gordon Mackenzie, care of Mackenzie, Milne & Co., Sarnia, Ont.

unchanged. We quote: Standard, oval head, discount 50 per cent.; oval top and Acadia countersunk head, 60 per cent.

HORSESHOES—A fair trade is still to be noted. We quote f.o.b. Toronto, Hamilton, London and Guelph, as follows: No. 2 and larger, light, medium and heavy iron shoes, $3.80; snow shoes, $4.05; light steel shoes, $4.10; featherweight shoes, all sizes, $5.35. No. 1 and smaller, light, medium and heavy iron shoes, $4.05 per keg; iron snow shoes, $4.30; light steel shoes, $4.35; featherweight steel shoes, all sizes, $5.35.

SCREWS — No new features have developed. The volume of business keeps good and prices steady and unchanged. We quote: Flat head bright, 80 per cent. off the list; round head bright, 75 per cent.; flat head brass, 75 per cent.; round head brass, 67½ per cent.; flat head bronze, 67½ per cent.; round head bronze, 62½ per cent.

BOLTS AND NUTS—Some business is still being done in stove bolts, but the bolt trade generally is moderate. We quote as follows: Norway bolts, full square, 65 per cent.; common carriage bolts, all sizes, 50 per cent.; ditto, full square, 65 per cent.; machine bolts, all sizes, 52½ per cent.; coach screws, 65 per cent.; sleighshoe bolts, 70 per cent.; blank bolts, 52½ per cent.; bolt ends, 62½ per cent.; nuts, square, 3½c. off; nuts, hexagon, 4c. off; tapping nuts, 60 per cent.; tire bolts, 60 and 10 per cent.; stove bolts, 60 and 10 per cent.; plough bolts, 50 per cent.

RIVETS AND BURRS—Trade is just moderate. We quote: Carriage section, wagon box, rivets, etc. (steel), 60 per cent. off the list; ditto (Norway iron), 60 per cent.; black M rivets (steel), 55 per cent.; ditto (Norway iron), 45 per cent.; iron burrs, 40 per cent.; copper rivets, 35 per cent.; bifurcated, with box, $1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

WRINGERS—A few are going out to fill prompt orders. We quote: "Leader," $60 per doz.; "Royal Canadian," $58; "Royal American," $48. Prices are all f.o.b. Toronto, Hamilton, Brockville, and Montreal. Discount, 45 per cent. Terms, four months, or 3 per cent. 30 days.

CUTLERY—Business in this line is about over for the season. A good business has been done.

SCREEN WIRE CLOTH—Prices have been advanced another 5c. per 100 square feet.

AMERICAN COFFEE MILLS—The manufacturers have advanced their prices 25 per cent.

SCYTHE STONES—The manufacturers in the United States have advanced their prices 25 per cent.

ELBOWS—Manufacturers have advanced their prices 60 to 65c. per dozen, the price per doz. net now being as follows: No. 2, $1.60; No. 1, $1.80; bright, 20c. per doz. extra.

LAMP BRACKETS—The American manufacturers have advanced their prices 33⅓ per cent.

BRASS GOODS — Drapery hooks, pole sockets, pole brackets, pole joints, curtain pole trimmings, slide-head picture nails, shade pulls and drapery chains are all, on an average, about 20 per cent. higher.

SCREEN DOORS AND WINDOWS — The different manufacturers have concurrently advanced their prices.

ENAMELED WARE—There is still a little sorting up being done in decorated enameled ware, but in other lines trade is quiet. Discounts are: White ware, "Princess" ware, "Turquoise" ware, blue and white ware, 50 per cent.; "Famous" ware, "Premier," "Diamond" ware, 50 and 10 per cent.; "Imperial" ware, "Crescent," "Granite" or "Pearl" ware, 50, 10 and 10 per cent.

SPADES AND SHOVELS—A little business is still being done for spring delivery. Discount, 40 and 5 per cent.

HARVEST TOOLS—Orders for future delivery are still being booked, although only in a moderate way. Discounts are: Stoves and ranges, 45 and 5 per cent.; furnaces, 40 and 5 per cent. registers, 60 per cent.

ROPE—There is very little business being done. The manufacturers of wrapping twines, cotton sisal, hemp plough lines, and cotton rope have advanced their prices. Sisal and manila rope are unchanged. Quotations are: Sisal, 7-16 inch and larger, 12c. per lb.; ⅜ inch, 12½c.; ¼ to 5-16 inch, 13c.; manila 7-16 inch and larger, 14c. per lb.; ⅜ inch, 14½c.; ¼ to 5-16 inch, 15c.

CEMENT—There is little doing. We quote in barrel lots: Canadian Portland, $2.65 to $2.90; Belgian, $3 to $3.10; English do., $3.25; Canadian hydraulic cements, $1 to $1.10; calcined plaster, $1.90; asbestos cement $2.50 per bbl.

METALS.

Pig tin and ingot copper are lower, and a rather easier undertone prevails in regard to spelter. Otherwise the metal markets are steady.

PIG IRON—The market remains steady. We quote: No. 1 Hamilton, $25 per ton at the furnace; No. 1 Tonawanda, $25.40 in bond, Toronto, and No. 2 at $24.40; No. 1 Southern, $24 in bond, Toronto.

BAR IRON—The demand continues good and prices firm. We quote $2.30 in carlots at the mills and $2.40 in smaller quantities; from stock, $2.40 to $2.50.

LEAD PIPE—A moderate trade is to be noted. We quote: Ordinary pipe, 7c., and waste, 7½c. per lb. Discount, 15 per cent.

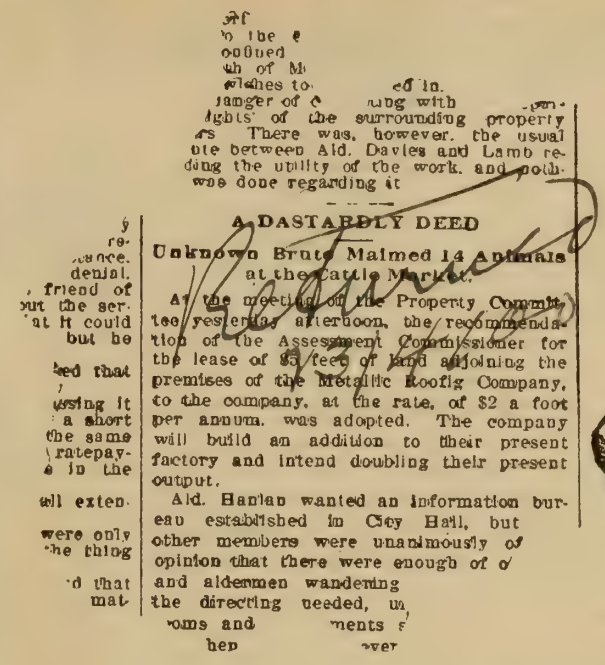
RANGE BOILERS — Still in moderate demand. We quote: Galvanized, 30 gals., $8.50; 35 gal., $10; 40 gal., $11. Copper, 30 gal., $22; 35 gal., $26; 40 gal., $30; discount off copper boilers, 10 per cent.

SHEET ZINC —Business is good, among the orders being some good sized quantities. We quote 8 to 8¼c. per lb.

SPELTER —Continues quiet at 7 to 7¼c. per lb.

LEAD—The demand is good and prices steady. We quote: 4¾ to 5c. per lb.

GALVANIZED IRON — Trade is rather



A DASTARDLY DEED

Unknown Brute Maimed 14 Animals at the Cattle Market.

At the meeting of the Property Committee yesterday afternoon, the recommendation of the Assessment Commissioner for the lease of 83 feet of land adjoining the premises of the Metallic Roofig Company, to the company, at the rate, of $2 a foot per annum, was adopted. The company will build an addition to their present factory and intend doubling their present output.

Ald. Hanlan wanted an information bureau established in City Hall, but other members were unanimously of opinion that there were enough of o and aldermen wandering the directing needed, u ooms and ments hen ver

This extract from a recent issue of The Toronto News, refers to the THIRD large addition that

The Metallic Roofing Co. Limited

TORONTO

are making to their extensive factory during the past two years.



Have You Their CATALOGUE?

It gives full information about the reliable fireproof building materials they manufacture.

John Bowman Hardware & Coal Co.

LONDON, ONT.

Our Fall stock is now complete and we can supply at the best figures, **AXES, SAWS, LANTERNS, CORDAGE, CHAIN, WINDOW GLASS, PAINTS, OILS,** etc. Our importation of **CUTLERY, SKATES, ENGLISH GUNS, SHOT SHELLS, BLACK and SMOKELESS POWDER, SHOT, WADDING,** etc., now in.

Our Motto: Prompt Shipment, Right Prices.

quiet for immediate shipment, but some good orders are being booked for spring delivery. We quote 28 gauge at $5 for English and $4 60 for American, but 28 gauge of the latter is equal to 26 gauge of the former.

BLACK SHEETS—A good trade has been done in this line during the past week, both large and small lots being in demand. We quote 28 gauge at $3 35.

CANADA PLATES—The demand for immediate shipment is good, and orders for import are being freely booked. We quote: All-dull, $3 25; half-polished, $3.35; all-bright, $3.85.

TINPLATES — There is a little business being done in a small way and there are some inquiries for import.

TERNE PLATES — Trade is quiet and featureless.

PIG TIN — The demand has improved, some good sales having been effected during the past week. We quote 33c. per lb.

COPPER—Ingot copper is in fair demand this week and ½c. per lb. lower. Business is fairly good in sheet copper at unchanged prices. We quote: Ingot copper, 20 to 21c. per lb., and sheet, 23 to 23½c. per lb.

IRON PIPE—Keeps fair at unchanged prices. We quote as follows: Black pipe, ¼ to ⅜ inch, $3.60; ½ inch, $3.70; ¾ inch, $4.20; 1 inch, $5.90; 1¼ inch, $7.85; 1½ inch, $9.75; 2 inch, $13; 2½ to 6 inch, discount off the list 45 per cent. Galvanized pipe is quoted as follows: ½ inch, $6.50; ¾ inch, $8; 1 inch, $11.50; 1¼ inch, $16; 1½ inch, $20; 2 inch, $28.50.

SOLDER—A fairly good trade has been experienced during the past week. We quote: 19½ to 20½c. for half-and-half; 19 to 19½c. for refined, and 18½ to 19c. for wiping.

PAINTS AND OILS.

There is little doing. The market throughout is steady. White lead and linseed oil are firm. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $6.50; No. 1, $6.12½; No. 2, $5.7;5 No. 3, $5.37½; No. 4, $5; dry white lead in casks, $5.75.

RED LEAD—Genuine, in casks of 560 lb., $5.00; ditto, in kegs of 100 lb., $5.25 to $5.50; No. 1, in casks of 560 lb., $4.75; ditto, kegs of 100 lb., $5.

LITHARGE AND ORANGE MINERAL—Litharge, 6 to 6½c.; orange mineral, 7½ to 8½c.

WHITE ZINC—Genuine, French V.M., in casks, $7 to $7.25; Lehigh, in casks, $6.

PARIS WHITE—90c.

WHITING — 55c. per 100 lb.; Gilders' whiting, 75 to 80c.

GUM SHELLAC—In cases, 20c.; in less than cases, 24c.

PLASTER PARIS — Ordinary, $1.75 per barrel; New Brunswick, $2 to $2.20 per barrel.

PUMICE STONE—Powdered, $2.50 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, $1.10 per gallon; No 1 quality, 90c. per gallon.

SEAL OIL—54c. per gallon, and yellow seal at 45c.

CASTOR OIL—East India, in cases, 8 to 8½c. per lb. and 9 to 9½c. for single tins.

LINSEED OIL — Raw, 1 to 4 barrels, 60c.; boiled, 63c.; 5 to 9 barrels, raw, 59c.; boiled, 62c.; 10 to 15 barrels, raw, 58c.; boiled, 61c.; 16 to 59 barrels, raw, 57c.; boiled, 60c. To outside points, the same price is charged.

TURPENTINE—Single barrels, 73c.; two to four barrels, 72c., freight allowed; in less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

OLD MATERIAL.

The demand for scrap iron keeps brisk, and prices have been raised by jobbers here 5c. all around. Scrap rubber shows a rise of ½c. per lb. this week. Dealers are paying as follows: Agricultural scrap, 70c. per cwt.; machinery cast, 70c. per cwt.; stove cast scrap, 45c.; No. 1 wrought scrap, 65c. per 100 lb.; new light scrap copper, 12c. per lb.; bottoms, 10½c.; heavy copper, 14c.; light scrap brass, 7c.; heavy yellow scrap brass, 10c.; heavy red scrap brass, 11c.; scrap lead, 2½c.; zinc, 3c; scrap rubber, 6c.; good country mixed rags, 65 to 75c.; clean dry bones, 40 to 50c. per 100 lb.

GLASS.

The market shows no change. Prices in Belgian are firm at the recent advances, and the market here is stiff in consequence. We quote as follows: Star, first break in 50-foot boxes, $2.15, and in 100-foot boxes, $4; double diamond under 25 united inches, $6, Toronto Hamilton and London; terms 4 months or 3 per cent, 30 days.

HIDES, SKINS AND WOOL.

HIDES — The market is active. Prices are unchanged, but stiff. We quote: Cowhides, No. 1, 9½c.; No. 2, 8½c.; No. 3, 7½c. Steer hides are worth ½c. more. Cured hides are worth 10½c.

SKINS—Sheep and lambskins are 10c. dearer. Otherwise there is no change, though the market is firm. We quote: No. 1 veal, 8-lb. and up, 10c. per lb.; No. 2, 8c.; dekins, from 40 to 45c.; culls, 20 to 25c. Sheep and lambskins are selling at 90c. to $1.

WOOL — The market continues to strengthen, as the demand is brisk. Holders are looking for high figures. We quote: Clothing wool and combing fleece, 20c.; unwashed, 12½ to 13c.

SEEDS.

Alsike is slightly firmer, showing an advance of 50c., which makes the price dealers are paying outside $4 50 to $7, the top figure being for finest grades only. Red clover is firm. We quote $4.50 to $5 at outside points for good to choice, and 15 to 25c. more for extra choice to fancy lots.

Very little timothy is offering. Dealers would pay $1 to $1.25 aboard cars outside for good to choice machine-threshed, and $1.50 to $1.75 for bright, unhulled, flail-threshed seed.

PETROLEUM.

An advance of 1 to 1½c. is noted in the price of all kinds of oil. We quote: Pratt's Astral, 20c. in bulk (barrels, $1 extra); American water white, 19½c. in barrels; Photogene, 18½c.; Sarnia water white, 18c. in barrels; Sarnia prime white, 16½c. in barrels.

COAL.

The demand keeps brisk, but cars are still scarce, and trouble is had in filling orders. We quote for immediate delivery at Buffalo and bridges as follows: Nut, $5 per gross ton, or $4.46 per net ton; egg and stove, $4.75 per gross ton, or $4.24 per net ton; grate, $4.50 per gross ton, or $4.01 per net ton.

PORTABLE IRON BRIDGE FOR AFRICA.

While the name of John Lysaght, Limited, of Bristol, England, is very well known in Canada in connection with their "Queen's Head" and "Fleur de Lis" iron, there are probably not many who know that they are largely interested in the building of iron bridges and structural iron work. In connection with the campaign in South Africa, they recently received a "rush" order from the British Government for a portable iron bridge, the work to be completed within four weeks. Not only was this condition carried out, but Messrs. Lysaght delivered the bridge in about two weeks, thus making a valuable contribution to the campaign.

THE SHEFFIELD CUTLERY TRADE.

Taking the sterling silver trade all round, it is reported to be quite equal to the average for the time of the year. Business, however, seems to be somewhat unevenly distributed. There are houses who are scarcely able to meet the demadds upon them, although their people are working overtime. There are other houses who are by no means so much pressed. The price of silver is keeping steady. Most houses in the cutlery trades are fairly well off for work. The scarcity rather is not orders, but workmen, and the difficulty has been increased by the withdrawal of reservists and militiamen from the city, some of whom were in the trade. There is a well-sustained demand for best and medium cutlery, both for the home and distant markets, and some firms are doing well in common goods. They are especially handicapped for lack of workmen.—Hardwareman.

ADVANCE IN BRITISH SHOVELS.

There is scarcely a trade in Sheffield that has been more seriously affected by the advances in the cost of material than the one devoted to the manufacture of spades, shovels, picks and other mining and excavating tools. The additions have come at a most unfortunate time, inasmuch as there is a more active demand than has been known for years. Some large contracts have been placed by the Government. There is a brisk inquiry for China, Japan, and other distant markets, but a considerable proportion of the goods are required for South America. With an enormously expanded output profits remain low. A prominent member of the trade has roughly estimated the increased cost of production at not much under 60 per cent. Manufacturers are anticipating a revival of the wages question. The men know what pressure there is in every department, and may assume that business is in a flourishing state, although, as a fact, profits are lower than in normal times. Prices have already been put up 10 to 15 per cent., and there is probability of a further step in the same direction being taken shortly. — Hardwareman, Birmingham.

UNEVEN WIRE NAIL PRICES.

The Pittsburg correspondent of Iron Age says: "The market is extremely quiet, and some of the largest wire nail mills in the country are closed down. Buyers are placing orders only for actual wants, and some of the jobbers are buying from each other. There continues to be some unevenness in prices of nails among jobbers who bought when the market was lower.

CONUNDRUMS FOR CHRISTMAS.

"I have a conundrum for you," said Sam Tribet to Joe. Limeburner.

"Propound it."

"Why are unmarried women always first at church?"

"Give it up."

"Because they want to be there when the hims are given out."

"Now, I have one for you?"

"Well?"

"Why do hens lay their eggs in the daytime?"

"I don't know. Why?"

"Because at night they are roosters."

A large manufacturer of fitted leather goods, referring to recent paragraphs in this column on the scarcity of scissors, tells me that in Sheffield that scarcity this season has been so great that it would be no exaggeration to apply the word famine as a description of the situation. He states that he has turned away hundreds of pounds' worth of orders simply because he could not get scissors to complete the furnishing of his cultery-cases.—Ironmonger.

FOR SALE.

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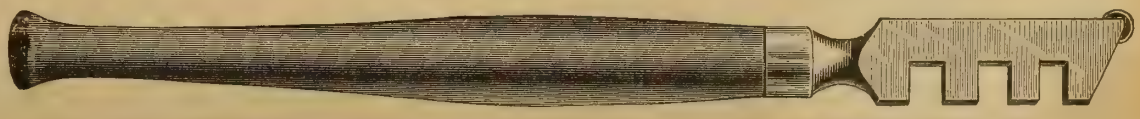
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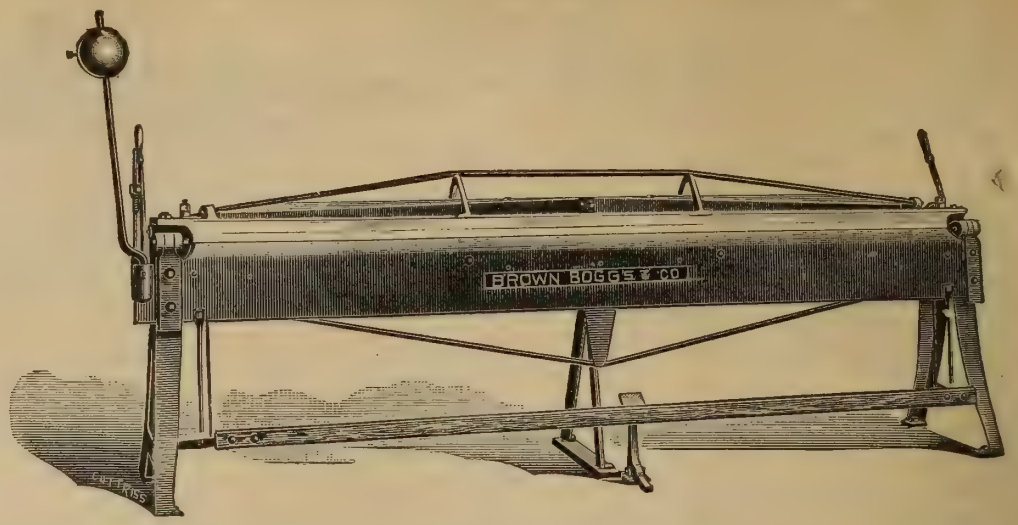
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Among the finer class of tools we manufacture are power and foot presses, sheet metal working dies of all descriptions, shears, special formers, and tinsmiths' tools, as well as can-making outfits.

We also manufacture a line of brakes—some nine different sizes and designs—which will vie with the best American manufacturers who make an almost exclusive business of this line of machines. They are for the use of bending sheet metal from tin down to No. 12 gauge steel.

Our No. 3, 8-ft. brake, with 4th leaf, is a powerful and strong machine and specially adapted for the wholesale manufacture of eavetrough and cornice, and will bend 20-gauge iron and lighter. Our No. 7 brake we got up specially for the retail trade. We have on several occasions called the attention of the trade to its merits, but the above cut shows a few further improvements which have been greatly appreciated. While other manufacturers of brakes made fro n cheaper materials have been compelled to lower their prices in order to make sales, we have, however, maintained our prices in order that we might keep up the high standard of the machine. With this brake any kind of cornice, eavetrough, ridge roll, valleys, gutters, square pipes, octagon conductor pipe, etc., can be formed on it. And with the beading attachment half-round eavetrough can be formed on it at a marvellous speed. It is guaranteed to bend 24-gauge iron and lighter. A full descriptive catalogue will be mailed on application.

BROWN, BOGGS & CO., ...HAMILTON, ONT.

THE MUSK OX

VERY little is known of the natural history of the musk ox, but it appears to be probable that the cows calve every two years, dropping their young in May and June. Fat cow meat is undoubtedly good food, but the bulls are horribly musky and the calves insipid and tasteless. The robe is warm, but too heavy for most uses, and is never likely to be in very lively demand. A big bull probably weighs at the very least 1,000 lb., for no animal is more solidly put together, but owing to its long coat it appears much larger than it really is. An arrant coward in reality, its aspect is most savage, and against the ravenous wolf of the north, its big sharp horns no doubt form effective weapons, but it fails to recognize man as an enemy, so that the actual shooting of the musk ox is a simple matter—the only reason the inoffensive animal lingers on a stage he once shared with the extinct Irish elk and mammoth is that few men can tear themselves away from the charms of civilization long enough to visit those distant barrens, where alone the quarry may be killed. But the prospector is already penetrating the region northeast of the lobe of the Great Slave, and before long the musk ox will find the bullets flying thick around him, and excepting on the outlying Arctic islands his doom is sealed. Let civiized man once make a lodgment on the barren lands, and the musk ox will disappear as rapidly as did the American bison from the similarly open plains of the great West. Nature is kind when she creates a forest loving animal; cruel when she fashions one that seeks the open country, for the latter has but one protection—solitude. And where will solitude exist in another generation or two?—Canadian Magazine.

THE WEARY DRUMMER.

EMANUEL LEVY was a hard-working and ambitious drummer. His route lay through the smaller towns in Western New York, and his employers expected him to "cover" about five of them each day he was out.

On one occasion he had had an especially tiresome day, owing to railway delays, and did not reach Rochester until almost midnight. He went, as usual to the X hotel, where he was accustomed to stay and where he was well known.

"Sorry, old man," said the clerk, "but we haven't got a room in the house. Firemen's Convention here to-day, and they're sleeping in cots in the parlor."

"But you've got to take care of me," rejoined Emanuel. "I was never so tired in my life, and there isn't a train out of here to-night. What do you mean, anyway, by filling your house up with firemen who will never come here again, and turning away your regular customers?"

"Can't help it, Manny; ask the boss."

"But what am I going to do? I've got to sleep somewhere."

"Hold on a minute—perhaps I can fix you. Do you mind sleeping on a cot?"

"Sleeping on a cot? Why, I'd sleep on a keg of nails."

"Well, in the room off of 42 there's a cot. In 42 we've got a sporting man, with a big bank roll. There's no lock on the door between the rooms, and he made us promise we wouldn't put anyone in there. But, if you'll be on the dead level, go in quietly and get out the same way before he's up, you can sleep there."

Levy went up to the room. In about three-quarters of an hour he came down again, partly dressed, and with a look of horror on his face.

"Mein Gott, Billy!" he exclaimed, as he reached the desk, "but that man's dead."

"Yes, I knew he was dead," replied Billy, "but how did you find it out?"
—Life.

According to Iron Age, there has been a further advance in horse shoes in the United States. The base price is now 3¾c. per lb. Terms, 30 days, or 1 per cent. discount for cash in 10 days.

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SOME IDEAS AND IMPRESSIONS.

Gathered During a Holiday Trip to New York.

(Continued.)

I WAS fortunate enough to be in New York during the State and municipal elections. And, although the elections were really important and the newspapers tried to stir the people up to a realization of the fact, I was surprised at the indifference exhibited. "Wait till the Presidential election," said a gentleman to whom I was expressing my surprise, "you will see no lack of interest then."

Although the people were passive, the "machine" of the respective parties was active enough prior to and on the day of the election. And every night the electric lights behind the big red eyes of the tiger's head, which adorns Tammany Hall in 14th street, threw out bright shafts of light, indicating that there was both watchfulness and activity there. The result of the balloting proved it.

One night I was privileged to hear a number of stump speeches, which were delivered from a band wagon by supporters of the Democratic party. And they were "stump" speeches. They had blessed little "wood" in them. On one side of the band wagon was a fife and drum band with the members thereof in the uniform of the United States army, which, as every speaker concluded his oration, struck up a tune that reminded me of fife and drum band practices in Toronto prior to July 12. On the other side of the band wagon was a bonfire which was kept in huge, and in what appeared to me dangerous, proportions by a corps of street urchins. Occasionally it would be a packing case of huge proportions which would be brought to feed the fire, and then half a dozen or more of the boys would scramble upon it and stay there until the flames began to poke their red tongues through the crevices and make them scamper away again, while a big policeman stood by calmly swinging his baton and gossiping with acquaintances quite unconcerned. I tried to imagine what a policeman would do in Toronto under similar circumstances.

But the speakers interested me more than either the bonfire or the band. The speakers were mostly young men, and the electoral law, fathered and enforced by a Republican Legislature, came in for their especial denunciation. One speaker, who was introduced as a brilliant and promising young lawyer, drew a comparison between the laws of Great Britain in regard to her colonies, which resulted in the Boston "Tea Party," and the election laws in New York State. Of course, he urged the electors to do with the Republican party what the American people did with the tea in Boston harbor—throw it overboard. Then he told a story or two. One was as follows: A certain Republican politician saw a man with a few days' old pup in his arms. Stroking the pup on the head, the politician asked:

"And what may its politics be?"

"Republican, sir?"

"Oh!" he exclaimed with some satisfaction, and walked off.

A week later the politician again came across the man and the pup. Again stroking the head of the animal, he asked:

"And what may its politics be, my man?"

"Democrat, sir."

"Democrat?" repeated the astonished politician. "Why, a week ago you told me it was a Republican!"

"So I did sir, but it has since got its eyes open."

The crowd saw the point. At any rate it laughed. And when it had stopped laughing "the brilliant and promising" young lawyer expressed the hope that the electors had got their eyes sufficiently open to ally themselves with the cause of the Democratic party.

While in a political vein I am reminded of a conversation I had with the managing editor of one of the large financial and commercial dailies in New York. This editor is strongly in favor of closer trade relations with Canada, and has not forgotten to vigorously champion it in the columns of his journal. "I am convinced," he in effect said during our conversation, "that it is more in our interests to strive for closer trade relations with your country (Canada). I do not at present see any hope for immediate closer trade relations. The farmers in the United States are opposed to it; for they are afraid of Canadian farm produce, although, of course, they want free trade in the articles they buy."

"From what I can gather during my short visit here," I interjected, "there appears to be a strong feeling that the United States has reached a period when she does not need to keep her protective walls up to their present height."

"You are quite right. And the feeling is undoubtedly growing. But I have come to the conclusion that we can expect, after all, more from the Republican party than from the Democrats in the way of tariff reform and closer trade relations with Canada. You know there is a strong feeling of antipathy in the Democratic camp at present towards things British, while in that of the Republican party the tendency is in the opposite direction."

One thing I was curious to ascertain while in New York, and that was, where the sympathy of the people lay in the war between Great Britain and the Transvaal. My ear was open, therefore, for remarks which might be dropped in regard thereto. From a few people I heard the most bitter denunciation of Great Britain and a hope that she would be defeated.

"But she won't be defeated," interjected one of a group who was on one occasion discussing the question.

"She won't, eh? She couldn't lick her 13 American colonies. And I am sure the Boers are better able now than we were then to give it to her."

While I am quite in sympathy with the cause for which the 13 colonies contended, I could not resist interjecting:

"Mr. ——, did you ever visit the Statue of Liberty in the harbor?"

"No."

"Then you have never read the inscription on that statue?"

"No."

"Well, then, that inscription says that the monument is given to the United States in commemoration of the joint action of the Americans and the French in securing the independence of the former."

The gentleman who had been so bitterly denouncing Great Britain, and who, I should explain, was an Irish-American, said no more.

There was another class I came across, who, while they were not altogether persuaded as to the merit of Great Britain's cause, declared unhesitatingly that the sympathy of the United States must be on the side of that country.

"Great Britain stood by us during our war with Spain, and it is our duty to stand by her," is, in effect, what I heard some of them say.

I came across others who did not question the righteousness of Britain's cause, and did not hesitate to give it their sympathy.

I have heard it said that if you do a Yankee a favor he'll not forget it. And after my visit to New York I am less inclined than ever to question it.

W.L.E.

(To be continued.)

Job W. Taylor,
C. M. Strange,
J. H. Meikle,
H. D. Simmons,
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BELLEVILLE'S NEW IRON WORKS.

THE new works of the Abbott-Mitchell Iron and Steel Co., Belleville, Ont., are favorably situated on the shores of the bay, and are composed of an immense structure, 321 feet in length and 150 feet wide, for use of the rolling mill proper. This building is fitted with a full equipment of heavy machinery and furnaces, with ample power for the driving of the mills, shears, etc.

The whole of this mill is in practically complete working order, and will be put in operation within a few days. Directly opposite the main building is a substantially-constructed brick building, 266 feet in length and 53 feet wide, where the manufacture of nails and spikes will be carried on. A portion of this building is used for machine-shop, engine-room, and electric dynamos for furnishing light for the whole plant.

The machines for the making of nails and spikes are of the latest modern designs, and will produce all the various sizes from 4-penny shingle to 18-inch spikes; there are also a number of machines for the making of wire nails. It is the intention of the company to add other branches of work to their plant, such as the making of horseshoes and horseshoe nails, for which additional buildings will be erected during the winter. A first-class office building is detached, and is arranged for the accommodation of the large staff. A large track scale is placed in front of the building, with a capacity of 80 tons.

A branch of the Grand Junction railroad runs into the yards, and supplies the different buildings. A roadway and dock will also be constructed, giving splendid water facilities. The officers of the company are: Mr. Frank A Mitchell, president and managing director; Mr. W. Abbott, vice-president and secretary; and Mr. Henry Pringle, treasurer.

The company will manufacture iron and steel horseshoes, cut and wire nails, railway spikes, etc. The estimated output of the concern will be from 12,000 to 15,000 tons per annum, and the works, when in full operation, will employ from 150 to 175 men.

COMRADES ALL!

Mr. Robert A. Webster, one of the most popular travelers on the road, and long connected with The Canada Paint Co., has resigned to take an interest in The Leithead Drug and Paint Co., of Duluth, Minn., where he now has full charge of the paint and varnish department. That his absence is sincerely regretted by his old confreres is shown by the following resolution: Proposed by G. Crawford (St. John, N.B.), seconded by R. Bremner (London, Ont.), and resolved: That, at the annual meeting of the travelers and salesmen of The Canada Paint Co., now in session, they take this, their first opportunity, to express their sincere regret at the severance of their colleague, Mr. R. A. Webster, from The Canada Paint Co.

They desire to place on record their appreciation of his marked ability, unvarying kindness, and gentlemanly bearing, and the hope is warmly expressed that Mr. Webster will make a brilliant success of the business in his new sphere of usefulness, and enjoy good health and be prosperous in all his undertakings.

It was further moved that the treasurer, Mr. H. W. Aird, be requested to kindly convey this resolution to Mr. Webster.

This was carried by a standing vote. Mr. W. H. Evans was in the chair.

THE DAVIDSON CO.'S ANNUAL DINNER.

The annual dinner of the Thomas Davidson Manufacturing Co., Limited, of Montreal, was held last night, and, as usual, was a most enjoyable affair. As is usual with this firm, the invitation and menu cards were of unique and original design. A fuller report of the dinner will appear in the next issue of HARDWARE AND METAL.

"PEERLESS" ICELAND FREEZERS.

The "Peerless" Iceland Freezer, which was put on the market last winter, proved itself to be a thoroughly good freezer. The advantages claimed for it are that there is no complicated machinery to get of order, that its gearing is enclosed both top and bottom, so that there are no cogs on can top to catch ice and salt, that all metal parts are coated with pure block tin, and that by it ice cream can be made in three minutes by an amateur. W. J. Jeandron, Montreal, has been appointed Canadian agent for this freezer. The manufacturers are Dana & Co., Cincinnati, O.

INCREASED COST OF ORE.

Advices from Spain, received within the last few days, state that the Minister of Finance at Madrid has decided, with the approval of his colleagues in the Government, to impose an export duty of 2d. per ton on iron ore. It is stated that his original recommendation was to fix the duty at 8d. The imports of Spanish iron ore into the United Kingdom are at the rate of about 5,000,000 tons per annum. The increased cost of Spanish ore to British smelters arising from the new tax is, therefore, about £125,000 a year.—Iron and Steel Trades Journal.



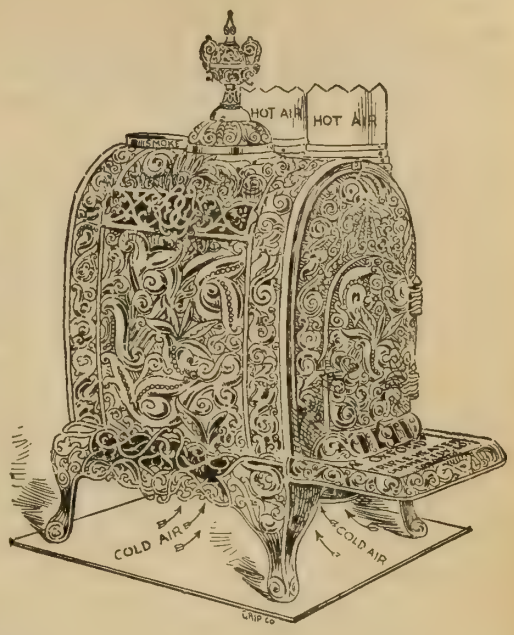
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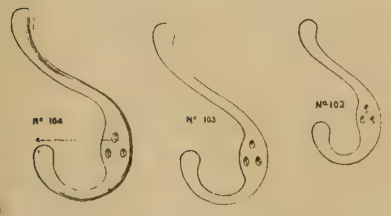
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SITUATION BY YOUNG MAN WITH 11 years' experience in hardware. Box 133, Bracebridge, Ont. (52)

BUSINESS WANTED.

HARDWARE—WANTED TO PURCHASE A small stock of general hardware, say $4,000 to $6,000, in some good live town in Ontario. Correspondence confidential. Address A. M., care HARDWARE AND METAL. (52)

SAVE MONEY
by buying
Gunn's Patent Brassic Goods



Equal to solid brass in every particular. Cost less money—look and wear as well. Sales increasing all the time.

THE GUNN CASTOR CO., Limited
KNOX HENRY,
Canadian Agent, 220½ Board of Trade, MONTREAL.

IT PAYS YOU TO HANDLE

BOECKH'S BRIDLED PAINT BRUSHES

for the same reason that it pays you to handle a first-class article of any kind . . . . . .

BOECKH, BROS. TRADE MARK & COMPANY.

80 York Street, TORONTO

HEATING AND PLUMBING

THE DISCOVERY OF GAS.

ACCORDING to "l' Independance belge," gas was discovered neither by the Englishman Murdock who made experiments in 1796 or 1797, nor by the Frenchman Lebon who took out his patent in 1799, but whose tests dated from 1785 (Lebon used, moreover, wood gas and not coal gas, as shown recently by Daniel Berthelot in the Grande Encyclopedie), but it was discovered by a Belgian, Jean-Pierre Minkelers, professor at the University of Louvain, on October 1, 1781. Aerostatics had just come to the attention of inventors. In 1783 Dr. Charles sent up the first balloon at Paris filled with pure hydrogen gas. But hydrogen was too expensive and investigations were continued. At the request of the Duke of Arenberg, Minkelers devoted himself to it. All substances of vegetable origin gave gas, and he tried a large number of them. "Finally, on October 1, 1784," he wrote in his Memoire sur l'air inflammable trie de differentes substances (a pamphlet printed this same year, which removes all question as to date) "having placed the coal in a gun barrel, I obtained inflammable air in abundance and very promptly. Four ounces of coal gave me a cubic foot, French measure, of this air, which being weighed was found to be four times lighter than atmospheric air." In this way he discovered the gas which he recommended for use in aerostatics, and his name merits mention in this connection. But, he notes in his Memoire, it was possible to purify this gas in lime water, and he discovered its properties so that he lighted his lecture room with it each year at the University, as attested by von Hulthem, the celebrated bibliophile, in 1785.—Translated from Journal des Gaz et de l' Electricite, for American Manufacturer.

PLUMBING AND HEATING CONTRACTS.

The John Ritchie Plumbing and Heating Co., Limited, Toronto, have the contract for plumbing and heating in two houses for Taylor & O'Hara, Avenue road, Toronto.

The Bennett & Wright Co., Limited., Toronto, have just secured the largest hot-water heating contract that has ever been given in Canada. It is for the heating of the Alison University, Sackville, N.B., and calls for nine hot-water boilers, each 9 ft. 6 in. long. This firm will also do the plumbing in this university. They have the contract, too, for the new warehouse for The Copp, Clark Co., Limited, Front street East, Toronto.

Purdy, Mansell & Co., Toronto, have contracts for plumbing, hot-water heating and gasfitting in a residence at the corner of Sherbourne and Carlton streets, for H. Simpson, architect; for hot-water heating in the hotel building corner King and Simcoe streets; hot-water heating in the Ontario Bank's new branch at Lindsay, Ont., and for remodeling the heating in Hon. Wm. Mulock's summer residence near Newmarket.

PLUMBING AND HEATING NOTES.

THE new public school in Owen Sound, Ont., is estimated to cost $11,200, the site costing $3,800.

N. Brownsberger & Co., are erecting a new warehouse, 68 x 32 feet, Boissevain, Man.

Assignment has been demanded of Labelle & Deschamps, plumbers, Montreal.

The Dominion Carbide Co., Limited, Ottawa, has been incorporated. This company proposes making calcium carbide from sawdust.

Caleb Weeks and Sam J. McIntyre have registered partnership as plumbers, under the style of Weeks & McIntyre.

John Coughlan & Co., of Victoria and New Westminster, B.C., have been awarded the contract for a new brick and stone hotel at New Westminster, to cost $19,000.

William Fields and William McDonald have been granted permission to build two semi-detached brick dwellings in Henderson avenue, Ottawa, at a cost of $1,800.

Permits have been granted in Quebec to Mr. Faguy for repairing of dwelling on King street, to cost $500, and to Jos. Bernier, for construction of property on Boulevard Langlier, to cost $2,000.

It is estimated that $100,000 has been spent in building operations in Walkerville, Ont., during the past summer. Some large buildings are now being erected there, including a block of tenements for the Walkerville Land and Building Co., to cost $7,000.

Permits have been issued in Toronto for the erection of the following buildings: A. Bradshaw & Son, addition to brick warehouse, 25 Wellington street west, $7,000; York County Loan and Savings Co., two-storey and attic brick and stone dwelling, 500 Marion street west, $2,500; to E. B. Woodley, for a two-storey and attic brick residence at 183 Avenue road, $2,500; to The Wm. Davies Co., Limited, for a store at 485 Parliament street, $3,500, and to Wm. C. McFarland, for an addition to his hardware store at 391 Parliament street, $200.

PLUMBING PROVERBS.

THE plumber is the recognized Ishmael of the industrial world. While his hand is not against every man, every man's hand is certainly against him. His days are filled with toil and abuse and his nights with visions of disputed bills.

The accounts he carries on his books constitute what might be termed an inverted faith, being the evidence of things hoped for and the substance of things not seen.

He invariably resolves to "do or die" when starting out on collecting expeditions, and invariably returns saddened by the thought that he has done neither.

He has heard on excellent authority that "in all labor there is profit," but has reason to believe that all labor in his line was not meant to be included.

When business is dull he has nothing to do, and when good his supplies are so high that he cannot make a profit.

Acting as a target for the cruel shafts of a critical public causes him to mature young, and it seems to him that the notes he gives do too.

Even white-haired saints grow red-headed at the mention of his profession, and overlook the fact that he is the man who fixed a gulf between them and the undertaker.

The songs he sings are dirges and the stories he tells are laments.

His only hope in this world is to leave it, and even then, if he goes where many an irate customer has consigned him, he will probably find that the last move of his life corresponds with the whole.—"Solomon Junior," in The Metal Worker.

AMATEUR PLUMBERS.

A Vancouver paper of a recent date says: "The health inspector has been annoyed a good deal lately on account of amateur plumbers doing business in the city. There is no license fee attached to the working of this business in this city, but permits for all changes and new work must be obtained from the inspector on plans previously deposited with him before any work can be undertaken."

WANT BETTER BY-LAW.

The general consensus of opinion among the plumbers of Toronto is that the plumbing by-law of this city could be easily improved.

The present law is indefinite on many points, that the ruling of inspectors varies considerably, and a plumbing job is often condemned, where a similar job had been passed before.

Then, again, there is no clause in the law, stating that the inspector shall make a complete examination the first time a job is inspected, so sometimes it is necessary to have three or even four inspections, whereas two would be sufficient if the job were examined thoroughly the first visit. This causes delay and loss, both to the plumber and owner of the premises inspected.

BUILDING OPERATIONS IN GALT, ONT

The past year has been a busy one for those interested in building operations in Galt, Ont. By a detailed schedule of buildings, etc., published by The Reporter, it is seen that $287,800 has been spent in that town this year. Half of this was spent by the C.P.R. The major portion of the remainder was spent in residences costing from $800 to $3,000. Several large factories, business blocks, hotels, etc., were erected.

CATALOGUES, BOOKLETS, ETC.

HARDWARE AND METAL is in receipt of a calendar from The Harrington & Richardson Arms Co., Worcester, Mass. It is decidedly attractive. The central figure is a photogravure of two handsome hounds, one of which is evidently seriously wanting to know why the camera is being leveled at him and his partner. On the top of the calendar is a pretty little hunting scene. The Harrington & Richardson Arms Co. is to be congratulated upon its good taste.

THE HAMILTON WHIP COMPANY.

The Hamilton Spectator of a recent date had the following :

"One firm which is about to enlarge its business and cover its property with brick buildings is The Hamilton Whip Company, Mary street north. A building permit will be at once taken out for the work, which is expected to begin this week. When completed the new works will present a handsome appearance and more than double the company's facilities for turning out its product."

ADVERTISING in WESTERN CANADA
will be Carefully, Efficiently, and Promptly attended to, by
The Roberts Advertising Agency,
WINNIPEG, CANADA.

WELLAND CANAL.

Tenders for Supplies for the Year 1900.

SEALED TENDERS for supplies, addressed to the Superintending Engineer, Welland Canal, St. Catharines, will be received until 16 o'clock on Wednesday, January 10, 1900, for the supply and delivery of various articles of Timber, Hardware, Castings, Fuel, Paints, Oils, etc., for use on the Welland Canal and its branches for the year 1900.

Specifications, forms of tender, and other information can be obtained at the Superintending Engineer's Office, St. Catharines, on and after Thursday, December 21, 1899.

The lowest or any tender not necessarily accepted.

L. K. JONES,
Secretary,
Department of Railways and Canals.

OTTAWA, December 20, 1899. (52)

SEALED TENDERS addressed to the undersigned, and endorsed "Tender for Electric Elevator, Post Office, etc., building, Victoria, B.C.," will be received until Monday, January 8th, 1900, for the construction of an electric elevator in the Customs Examining Warehouse at Victoria, B.C.

Plans and specifications can be seen and forms of tender and all necessary information obtained at this Department, and at the office of the Clerk of Works at Victoria, B.C.

Persons tendering are notified that tenders will not be considered unless made on the printed form supplied and signed with their actual signatures.

Each tender must be accompanied by an accepted bank cheque made payable to the order of the Honorable the Minister of Public Works, equal to ten per cent. of amount of the tender, which will be forfeited if the party declines to enter into a contract when called upon to do so, or if he fail to complete the work contracted for. If the tender be not accepted the cheque will be returned.

The Department does not bind itself to accept the lowest or any tender.

By order, E. F. E. ROY, Secretary.

Department of Public Works,
Ottawa, 4th December, 1899.

Newspapers inserting this advertisement without authority from the Department will not be paid for it. (51)

SEALED TENDERS addressed to the undersigned, and endorsed "Tender for Heating apparatus, Public Building, Ingersoll, Ont.," will be received at this office until Tuesday, December 26th, 1899, for the supplying and placing in position of a heating apparatus for the Public Building at Ingersoll, Ont, according to plans and specification to be seen at the Department of Public Works, Ottawa, and at the office of the Clerk of Works at the Public Building at Ingersoll.

Tenders will not be considered unless made on the form supplied and signed with the actual signatures of tenderers.

An accepted bank cheque, payable to the order of the Minister of Public Works, equal to ten per cent. (10 p.c.) of the amount of the tender, must accompany each tender. The cheque will be forfeited if the party decline the contract or fail to complete the work contracted for, and will be returned in case of non-acceptance of tender.

The Department does not bind itself to accept the lowest or any tender.

By order, E. F. E. ROY, Secretary.

Department of Public Works,
Ottawa, 6th December, 1899.

Newspapers inserting this advertisement without authority from the Department will not be paid for it. (51)

THE MAN BEHIND THE BOOKS
holds a responsible position. We guarantee to prepare young men and women to fill the highest places in bookkeeping if they are anxious to advance and will study "between times." Thousands have prospered through our unequalled course of

EDUCATION BY MAIL



in Electrical, Mechanical, Steam, Mining and Civil Engineering; Metallurgy, Art, Architecture, Practical Newspaper Work, English Branches, Stenography, Machine Design and Mechanical Drawing. Low price; easy terms.

Sent free to those who enroll now, a complete Drawing Outfit worth $11.10, or other premiums.

Mention subjects interested in when writing to
The United Correspondence Schools,
154-156-158 Fifth Ave., New York,
for Catalogue No. 108.

FOR SALE.

A NEW MARLIN RIFLE

Never been used. Just the Rifle for practice. Price $30. Will take $20.
19 Board of Trade, Montreal

The Syracuse Smelting Works

ARE MANUFACTURERS OF

Plumbers' and Tinsmiths' Solder

of highest quality. Highest market prices paid for old Brass and Copper.

SYRACUSE SMELTING WORKS
MONTREAL.

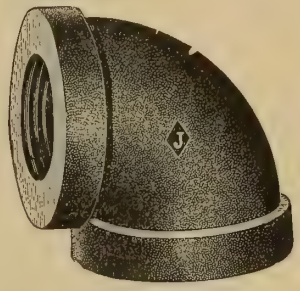
Sizes, ⅜ and ½-inch.



Cheapest IN THE WORLD.

J. M. LITCHFIELD
105 Beekman St., New York.

Made with 1½-inch shank with thread and nut.



IRON. . .
PIPE. .
FITTINGS

Special Fittings made to order.
Supplies for Heating Contractors.

The James Morrison Brass Mfg. Co., Limited.
TORONTO.

PERSONS addressing advertisers will kindly mention having seen their advertisement in Canadian Hardware and Metal Merchant.

Toronto Foundry Co.

Manufacturers of SOIL PIPE, FITTINGS, SINKS, BOILER STANDS.

Nos. 146-148-150 Niagara Street, TORONTO

The only Exclusive Manufacturers of Soil Pipe and Soil Pipe Fittings in Canada. . . . . .

All goods stamped T. F. Co. are warranted



LAST SATURDAY'S ECLIPSE.

"The Moon looks happy."
"No wonder. It's his night out. He is to be eclipsed."

MANITOBA MARKETS.

WINNIPEG, December 22, 1899.

THERE is nothing new in any line of goods to report. Trade continues fair for the season, but collections are reported slow. The condition of the roads has probably something to do with this. The weather now is bright, clear, and cold, but there is practically no snow, and, as the roads were cut in deep ruts when the frost came, they are in bad condition.

The price list for the week is as follows :

Barbed wire, 100 lb	$3 75
Plain twist	3 75
Staples	4 25
Oiled annealed wire, 10	4 02
" 11	4 09
" 12	4 15
" 13	4 30
" 14	4 42
" 15	4 55
Wire nails, 30 to 60 dy, keg	3 80
" 16 and 20	3 85
" 10	3 90
" 8	3 95
" 6	4 10
" 4	4 15
" 3	4 20
Cut nails, 30 to 60 dy.	3 15
" 20 to 40	3 20
" 10 to 16	3 25
" 8	3 30
" 6	3 35
" 4	3 65
" 3	3 90
" 3 fine	4 20
Horsenails, 45 per cent. discount.	
Horseshoes, iron, No. 0 to No 1	4 70
No. 2 and larger	4 45
Snow shoes, No. 0 to No. 1	4 95
No. 2 and larger	4 70
Steel, No. 0 to No. 1	5 00
No. 2 and larger	4 75
Bar and band iron, $3.00 basis.	
Swedish iron, $5 basis.	
Tool steel, Black Diamond, 100 lb	8 50
Jessop	13 00
Sheet iron, black, 10 to 20 gauge, 100 lb.	3 50
20 to 26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 gauge	4 25
18 to 22 gauge	4 50
24 gauge	4 75
26 gauge	5 00
28 gauge	5 25
Genuine Russian, lb	12
Imitation " "	8
Tinned, 24 gauge, 100 lb	7 55
26 gauge	8 80
28 gauge	8 00
Tinplate, IC charcoal, 20 x 28, box	10 75
" IX "	12 75
" IXX "	14 75
Ingot tin	36
Canada plate, 18 x 21 and 18 x 24	3 35
Sheet zinc, cask lots, 100 lb	9 00
Broken lots	9 50
Pig lead, 100 lb	4 50
Wrought pipe, black up to 2 inch	60 p.c.
" Over 2 inch	55 p c.
Rope, sisal, 7-16 and larger	12 00
" ⅜	12 50
" ¼ and 5-16	12 00
Manila, 7-16 and larger	14 50
" ⅜	15 00
" ¼ and 5-16	15 50
Solder	23
Cotton rope, all sizes, lb	16
Axes, per box	$6.00 to 8 00
Screws, flat head, iron, bright	75 and 10 p.c.
Round " "	70 p.c.
Flat " brass	70 p.c.
Round " "	60 and 5 p.c.
Coach	57½ p.c.
Bolts, carriage 5-16 and smaller	42½ p.c.
⅜ and larger	37½ p.c.
Machine	45 p.c.
Tire	55 p.c.
Sleigh shoe	65 p.c.
Plough	40 p.c.
Rivets, iron	37½ p.c.
Copper, No. 8, lb	33½c.
Spades and shovels	40 p.c.
Harvest tools	50, 10 and 5 p.c.
Axe handles, turned, s. g. hickory, doz	$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 65
No. 1	1 25
Linseed oil, raw, per gal	62
" boiled "	65
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	30 p.c.
" military	15 p.c.
American R.F.	40 p.c.
C.F. pistol	10 p.c.
C.F. military	Net.
Loaded shells, Robin Hood, M	$20 00
Eley's soft, 12 gauge	15 00
chilled, 12 guage	16 50
soft, 10 guage	20 00
chilled, 10 guage	21 00
American, M	16 25
Shot, Ordinary, per 100 lb	5 50
Chilled	6 00
Powder, F.F., keg	4 75
F.F.G.	5 00
Robin Hood	10 00
Tinware, pressed, retinned	70 and 2½ p.c.
" plain	70 and 15 p.c.
Graniteware, according to quality	60 p.c.
Turpentine, by barrel	81c.
Less than barrel	86c.

PATENT REPORT.

Below will be found a complete list of patents recently granted to Canadian inventors through the agency of Marion & Marion, patent attorneys, New York Life building, Montreal.

CANADA.—65192, Maynard & Frederick, Campbellford, Ont., bicycle propelling mechanism ; 65203, Phileas Charbonneau, Montreal, Que., reclining chair; 65225, Albert Many, St. Hyacinthe, Que., last ; 65244, Jos. Omer Lamoureux, Sorel, Que., plow ; 65268, Vozina & Beausoleil, Montreal, Que., gasoline burner; 65280, Louis Wimmer, Elizabethport, N. J., looping machine.

UNITED STATES.—634599, Jas. Wilson, Glen Cross, Man., hay loader; 635136, Robert Irving, Carwhin, Ont., fastening for stall chains ; 635440, Lavoie & Chazotte, Montreal, Que., extension fire ladder ; 635315, N. L. Gobeille, St. Hyacinthe, Que., drain ditching plow.

A MERCHANT PUNISHED.

H. M. Winter, who opened a departmental store in Berlin, Ont., in August last, and advertised himself as "The Poor Man's Friend," has been sentenced to eleven months and twenty days imprisonment, and to pay a fine of $800 for defrauding his creditors. If the fine is not paid, he is to get another year in jail.

..THE..

"Good Cheer Art"

BASE BURNER

..FOR 1899.

THE MOST ATTRACTIVE AND BEST GRADED MEDIUM-PRICED BASE BURNER UPON THE MARKET.

ITS HEATING CAPACITY AND ECONOMY OF FUEL ARE UNEQUALLED.

THE MOUNTING, FINISH AND OPERATION OF THIS STOVE ARE GUARANTEED TO BE FIRST-CLASS IN EVERY PARTICULAR.

THE FIRE POT CAN BE EASILY REMOVED THROUGH THE SIDE DOORS.



It has The Improved Ransom Duplex Grate

All Body Nickel Work is Self Mounting

WITH AND WITHOUT OVEN.

EVERY STOVE A DOUBLE HEATER. EVERY OVEN OF SHEET STEEL.

THE JAMES STEWART MFG. CO., LIMITED, WOODSTOCK.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

V. E. PARADIS has been appointed curator of A. Bussiere, general merchant, Stanford, Que., who is offering 65c. on the dollar.

Louis Morel, general merchant, Beaupre, Que., has assigned.

G. A. Marion & Co., general merchants, Rockland, Ont., have assigned.

Edward Howe, harness dealer, Listowel, Ont., has assigned to W. H. Hay.

A. Tessier, general merchant, St. Casimir, Que., is offering 25c. on the dollar.

Gagnon & Caron have been appointed curators of J. R. Lemaire, general merchant, Nicolet, Que.

Joseph Brault, general merchant, Laprairie, Que., has assigned, and a meeting of creditors will be held on December 22.

PARTNERSHIPS FORMED AND DISSOLVED.

Prefontaine & Desautels, general merchants, Marieville, Que., have dissolved.

Dery & Cossette, sawmillers, St. Tite, Que., have dissolved, Moise Cossette continuing.

Hawthorne Bros., bicycle dealers, etc., Brantford, Ont., have dissolved, W. G. Hawthorne continuing; style unchanged.

James Gill & Co., general merchants, Revelstoke, B.C., have dissolved, T. E. L. Taylor continuing under unchanged style.

Johnson, Santo & Co., general merchants, Windermere, B.C., have dissolved partnership, W. E. Johnson selling his interest to H. E. Forster.

George and Thomas Cunningham have registered partnership as blacksmiths in New Westminster, under the style of Geo. Cunningham & Son.

SALES MADE AND PENDING.

Thomas Nichol, general merchant, Richmond, Ont., has sold out.

B. D. Steacy, hardware dealer, Brockville, Ont., is advertising his stock for sale.

The assets of J. B. Boisvert, general merchant, Ste. Gertrude, Que., are to be sold.

R. B. Gill, general merchant, Brooksdale, Ont., has sold out and removed to St. Marys.

The foundry, etc., of The Burrill, Johnson Iron Co., Limited, is offered for sale by liquidation.

The stock of Louis Robitaille, general merchant, Auvergne, Que., has been sold at 43c. on the dollar.

The stock, etc., of the late John McInnes, general merchant, Wallace, N.S., is offered for sale by sheriff.

The St. Catharines Box and Basket Co., Limited, St. Catharines, Ont., are advertising their business for sale.

CHANGES.

The Altona Machinery Co., Limited, Altona, Man., are applying for incorporation.

J. P. Clarke, general merchant, Exeter, Ont., is closing up his business.

The National Cycle and Automobile Co. have opened a branch in Halifax.

John C. Widdis, general merchant, Gesto, Ont., has sold out to C. E. Weldon.

Carrier, Laine & Co., founders, Quebec, have discontinued their branch in St. John, N.B.

Wm. J. Pendray has registered as proprietor of The British American Paint Co., Victoria.

H. Lendon, hardware dealer, Florence, Ont., has been succeeded by D. E. McDonald.

Clara Dufresne has registered as proprietress of J. B. Domville & Cie, general merchants, St. Stanislas, Que.

BUILDING OPERATIONS IN WINNIPEG

Mr. Gordon MacKenzie, of MacKenzie Bros., hardware brokers and manufacturers' agents, Winnipeg, was in Toronto this week. The special object of his visit to Eastern Canada is business.

Mr. MacKenzie spoke in gratifying terms of trade conditions in the "Prairie City." "Building operations," he said, "have been very active. So much so, in fact, that there have not been enough contractors to do all the work."

A MILLION AND A HALF.

In the New Year greetings of The Canada Paint Company, Limited, in this issue, they make the bold statement that they are preparing over 1,500,000 labels for their liquid paint trade for 1900. When it is considered that the productions of The Canada Paint Company, Limited, are of the very highest quality, it is extremely gratifying and complimentary to this corporation that their trade throughout the Dominion and abroad, should be inceeasing in an ever-widening ratio. They seem to be thoroughly equipped at every point to meet the anticipated heavy demand.



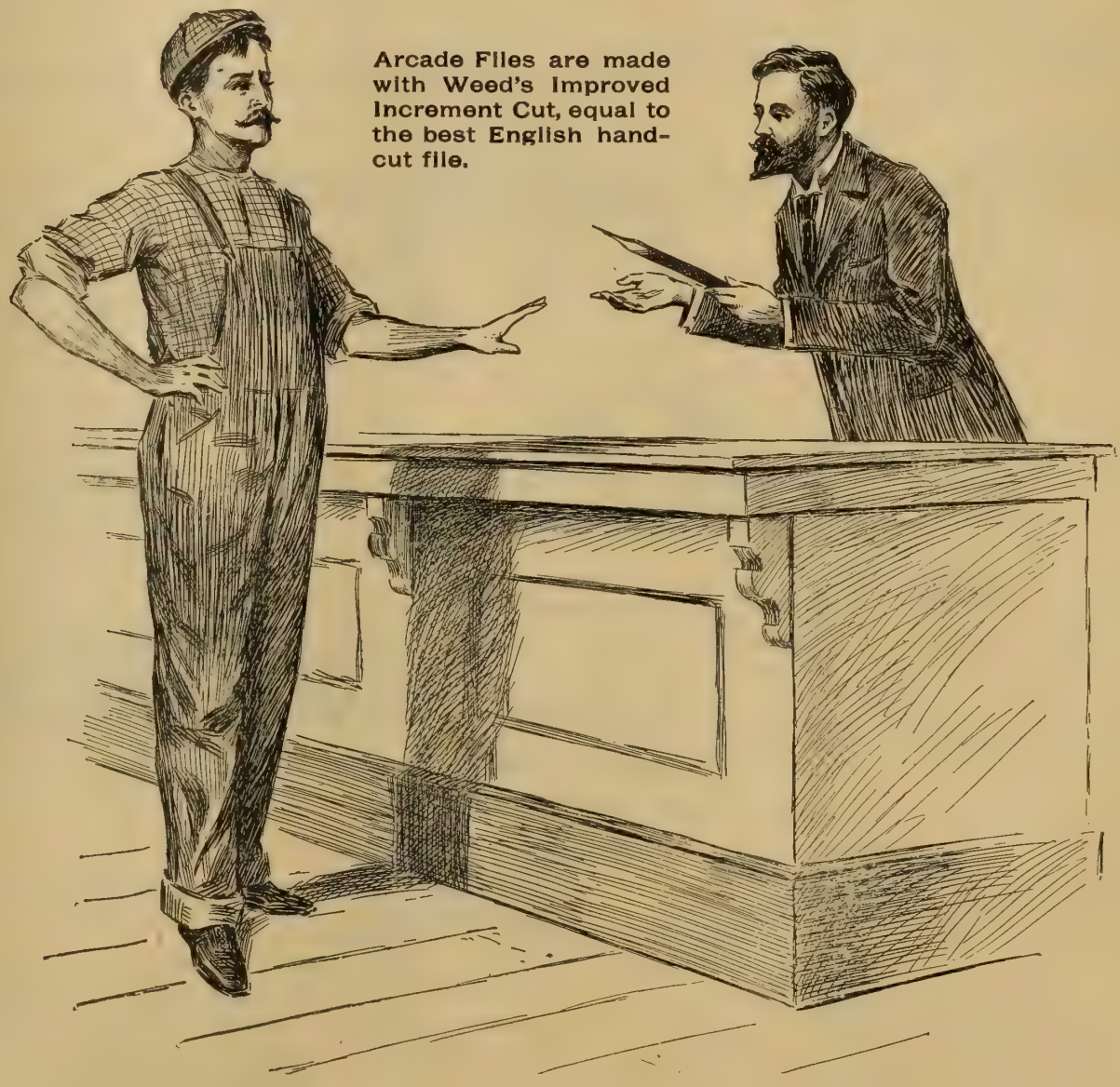
Shipping British Columbia Timber at Burrard Inlet.

The WORLD'S GREATEST FILE WORKS

ESTABLISHED 1842.

There is no other file "just as good."

THE ARCADE IS THE BEST



Arcade Files are made with Weed's Improved Increment Cut, equal to the best English hand-cut file.

"I want an ARCADE file."
"We are all out of ARCADE files. Try this; it is just as good."
"No, Sir. I want the ARCADE. It cuts faster and wears longer than any other file made."

THE ARCADE FILE WORKS

NEW YORK:
97 Chambers St.
SAMUEL W. ALLERTON,
President.

Works: ANDERSON, IND.
COURTLANDT C. CLARKE,
Sec. and Treas.

CHICAGO:
118 Lake Street.
ALFRED WEED,
Vice-President and Gen'l Mgr.

GERMAN IRON AND STEEL TRADE.

THE rapid advance in prices of iron and steel in Germany has been so great as to disturb business and to materially increase the cost to the consumers, writes George Sawtar in American Manufacturer. The demand is so far in excess of the supply that many works will only be able to fill half their orders in iron and steel in the coming six months. In many instances it has already been necessary to limit the output, owing to the impossibility of obtaining the raw material. Should this scarcity of iron continue, it will not be long before thousands of laborers will be without work. It is, therefore, desired that the duties on iron in Germany should be temporarily suspended. The wish is that the importation from abroad of this metal—which has become so valuable—should be facilitated as much as possible, because the German output of iron cannot supply the present demand. This is, of itself, a proof of the enormous development of the German industries which use iron and steel in their manufactures.

In 1872, the output of pig iron in Germany was 1,988,000 tons; in 1892, it had increased to 4,986,000 tons; and in 1898, according to the provisional returns, it was 7,215,900 tons. But in the United States the production of pig iron has advanced still more in the same period, rising from 2,589,000 tons in 1872 to 11,962,300 tons in the last year. The smallest increase was in England, where the output of iron was about 6,850,000 tons in 1872, and had only risen to 8,937,000 tons in 1897. It is therefore hoped that the German import duties on iron will be temporarily suspended and a helper in time of need be found for the present development of German indus ries by participating in the enormous output of iron from abroad. It is true, however, that one must take into consideration the fact that in England, and more especially in the United States, the consumption of iron is just now extraordinarily heavy.

The demand is especially due to the requirements of the railway systems and of the shipbuilding yards. Electrical industries have simultaneously become gigantic, and to this is added the fact that modern architecture turns more and more to the utilization of iron, and that, too, in enormous quantities. The Imperial Government's order will decrease materially in a short time, and then, perhaps, the present strong competition in iron industries will become more normal through the falling off of orders. For instance, one of the great Dortmund iron works had last year to increase its hands to the extent of 1,500; and the value of its orders, which, on June 30, 1898, amounted to 22,000,000 marks ($5,236,000) in round figures, stood at about 29,000,000 marks ($6,902,000) on July 31 of the current year. A large Saxon machine factory has at present about 15,000,000 marks ($3,570,000) worth of orders on hand.

STARR SKATES



Highest Quality.
Keep Their Edge Longer.
Require Less Sharpening.
Correct Design.
Recognized Standard.
Sold by Leading Houses.

All Patterns Described in 1899 Catalogue.

THE STARR MANUFACTURING CO., Limited,
HALIFAX, N.S., CANADA.

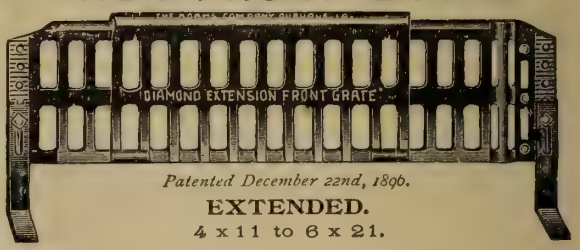


Nobles & Hoare,
CORNWALL ROAD STAMFORD STREET.
LONDON, ENG.
Manufacturers of
HIGH-CLASS VARNISHES ONLY
Which can be obtained direct from the works or from the principal Color Dealers in Canada.

DIAMOND EXTENSION FRONT GRATE.

Ends Slide in Dovetails similar to Diamond Stove Back.

Diamond Adjustable Cook Stove Damper
Patented March 11th 1893.



Patented December 22nd, 1896.
EXTENDED.
4 x 11 to 6 x 21.



For sale by Jobbers of Hardware.

Manufactured by THE ADAMS COMPANY, Dubuque, Iowa, U.S.A.
" " A. R. WOODYATT & CO., Guelph, Ontario.

SHEFFIELD SCISSOR TRADE.

Signs of a revival in the Sheffield scissor trade have been apparent for some time, and it has now recovered much of the ground it lost nearly ten years ago, when the Germans entered the field. More than a year ago The Ironmonger announced that buyers of bags, companions, etc., were insisting on the goods being fitted with Sheffield cutlery. Since then the tendency has made steady progress, and it now extends to all classes of scissors. This welcome change in the attitude of the public is easily accounted for. The cheapness and very high finish of the German goods completely ousted many of the Sheffield firms from the market, but the failure of the foreign article to cut after a few weeks' wear disgusted the users, and led to the present reaction in favor of quality.—Ironmonger.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, **Montreal.**

Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates, Galvanized Sheets, Imitation Russia Sheets Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.



VanTuyl & Fairbank

Petrolia, Ont.

Headquarters for . .

Oil and Artesian Well Pumps, Casing, Tubing Fittings, Drilling Tools, Tables, etc.

R. C. LeVESCONTE

Barrister, Solicitor, Notary, Etc.

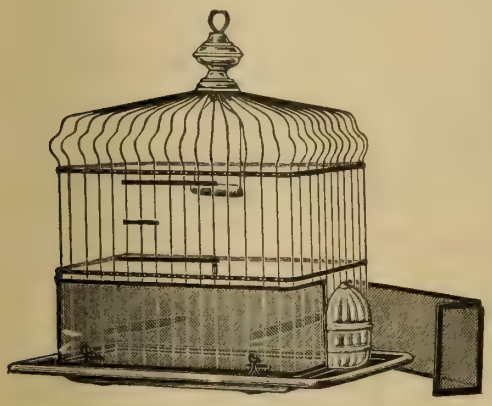
THE McKINNON BUILDING
Cor. Jordan and Melinda Streets

. . . TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.

E. T. WRIGHT & CO.,

Mfrs., Hamilton, Ont.



See Our Improved Detachable Wire Guard.

TRADE MARK J REGISTERED.

"JARDINE" TIRE UPSETTERS WILL UPSET TIRES

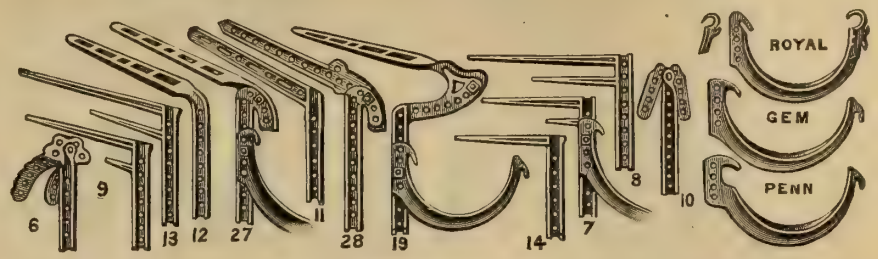
Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.

HESPELER, ONT.

BERGER'S GUTTER HANGERS



The very best made. Strong and easy to put up and adjust. By proper selection of the shank the requirements for any style eave will be met. Other kinds of Hangers, Pipe Hooks and Fasteners, Gutter and Pipe, and a general line of

Tinners' Hardware and Roofers' Supplies.

BERGER BROS. CO., - - - - - - - PHILADELPHIA, U.S.A.

HARRINGTON & RICHARDSON ARMS CO.

WORCESTER, MASS., U. S. A.

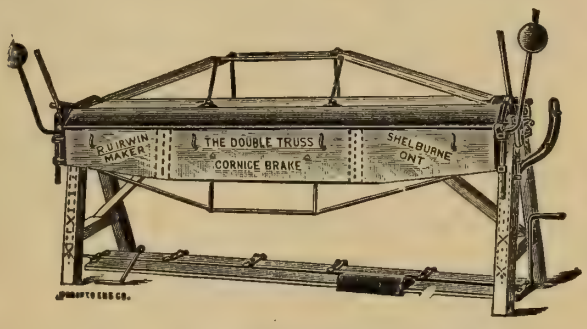


Makers of

High Grade REVOLVERS

SEND FOR COMPLETE CATALOGUE.

For sale by Sporting Goods and Hardware Stores almost everywhere.



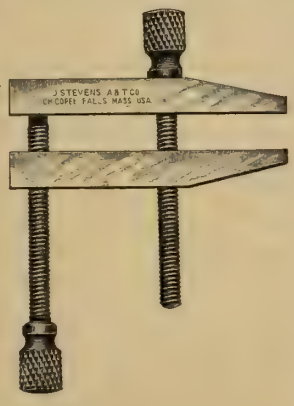
This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

Price, $50

Very handy beader attachment, $10 extra if required.

Send for circulars and testimonials to

The Double Truss Cornice Brake Co. SHELBURNE, ONT.



STEVENS FINE TOOLS

We make a perfect line of

CALIPERS and DIVIDERS

Also such tools as Surface Gauges, Tool Makers' Clamps, Center Punches, etc.

Write for our New Catalogue containing a description of our Tools. It is also a valuable hand-book of information for mechanics and people interested in such lines.

J. Stevens Arms & Tool Co.

P.O. Box 216, Chicopee Falls, Mass., U.S.A.

Carried by our representatives at Toronto and Montreal.

HUTCHISON, SHURLY & DERRETT

DOVERCOURT TWINE MILLS.

1078 BLOOR STREET WEST TORONTO.

Having equipped our Factory with entirely new machinery, we are prepared to furnish the best made goods in the market at closest prices and make prompt shipments.

Hand Laid Cotton Rope and Clothes Lines,
Cotton and Russian Hemp Plough Lines, plain and colored.
Cotton and Linen Fish Lines, laid and braided.
Netted Hammocks, white and colored, Tennis and Fly Nets.
Skipping Ropes, Jute, Hemp and Flax Twines.

THOS. GOLDSWORTHY & SONS

MANCHESTER, ENGLAND.

EMERY { Cloth / Corn / Flour

We carry all numbers of Corn and Flour Emery in 10-pound packages, from 8 to 140, in stock. Emery Cloth, Nos. OO., O., F., FF., 1 to 3.

JAMES HUTTON & CO., Wholesale Agents for Canada, **Montreal.**

CURRENT MARKET QUOTATIONS

Dec. 22, 1899.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—	
56 and 28 lb. ingots, per lb.	0 33
Straits	0 33

Tinplates.

Charcoal Plates—Bright.

M.L.S., equal to Bradley.	Per box
I.C., usual sizes	$6 50
I.X., "	7 75
I.X.X., "	9 00
J. R. & Co.—	
I.C	6 00
I.X	7 25
I.X.X	8 50
Famous—	
I.C.	6 25
I.X.	7 50
I.X.X	8 75
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	5 75
I.X.X. "	6 50
I.XXX., "	7 25
D.C., 12½x17	4 50
D.X	5 25
D.X.X	7 25

Coke Plates—Bright.

Bessemer Steel—	
I.C., usual sizes	4 35
I.C., special sizes, base	4 50
20x28	8 75

Charcoal Plates—Terne.

Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 50
I.X., Terne Tin	10 50

Charcoal Tin Boiler Plates.

Cookley Grade—	Per lb.
X.X., 14x56, 50 sheet bxs / 14x60 " / 14x65, "	0 07 — 0 07½

Tinned Sheets.

72x30 up to 24 gauge	0 08 — 0 08½
" 26 "	0 08½ — 0 09
" 28 "	0 09 — 0 09½

Iron and Steel.

	Base	Price
Common Bar, per 100 lbs	2 35	2 45
Refined " "	2 85	2 95
Horse Shoe		2 65
Hoop steel, 1½ to 3 in. base, extras for smaller sizes		3 00
Swedish " "	4 00	4 25
Sleigh Shoe Steel " base		2 70
Tire Steel		2 70
Machinery		2 65
Cast Steel, per lb	0 10	0 14
Toe Calk Steel		3 25
Thos. Firth & Sons' Cast Steel	0 12	0 14
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker.	3 00	3 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½-inch	0 11
2 "	0 12
2½ "	0 14
"	

Steel Boiler Plate.

¼ inch	3 25
5-16 inch	3 40
⅜ inch and thicker	3 25

Black Sheets.

18 gauge	3 00
20 gauge	3 00
22 to 24 "	3 10
26	3 20
28 "	3 35

Canada Plates.

All dull, 52 sheets	3 25
Half polished	3 35
All bright	3 85

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ⅜ inch, $3 60; ½ inch, $3.40; ¾ inch, $4.20; 1 inch, $5.90; 1¼ inch, $7.85; 1½ inch, $9.75; 2 inch, $13.00. 2½ to 6 inch, discount 45 p.c.

Galvanized, ½ inch, $6.50; ¾ inch, $8.00; 1 inch, $11.50; 1¼ inch, $16.00; 1½ inch, $20.00; 2 inch, $28.50.

Galvanized Iron.

	G C. Comet.	Amer.	Queen's Head
16 gauge		4 35	4 25
18 to 24 gauge	4 50 3 80	4 35	4 50
26 "	4 75 4 10	4 35	4 75
28 "	5 00 4 35	4 60	5 00

Less than case lots, 25c. per 100 lb. additional. 28 gauge American equals 26 gauge English.

Chain.

Proof Coil, 3-16 in., per 100 lb	
" ¼ " "	8 25
" 5-16 " "	6 25
" ⅜ " "	5 50
" 7-16 " "	5 30
" ½ " "	5 10
" ⅝ " "	4 90
" ¾ " "	4 85
Halter, kennel and post chains, 40 and 50 p.c.	
Cow ties	40 p.c.
Stall fixtures	35 p.c.
Trace chain	25 and 5 p.c.
Jack chain, iron, single and double, discount 35 p.c.	
Jack chain, brass, single and double, discount 40 p.c.	

Copper.

Ingot	
English B. S., ton lots	0 19½ — 0 20½
Lake Superior	

Bolt or Bar.	
Cut lengths, round, ½ to ⅞ in.	0 23½ — 0 25
" round and square 1 to 2 inches	0 23½ — 0 25

Sheet.	
Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 23 — 0 23½
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 23 — 0 23½

NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.

Tinned copper sheets	0 26
Planished	0 32

Braziers. (In sheets.)	
4x6 ft. 25 to 30 lbs. ea., per lb.	0 25½
" 35 to 45 " "	0 24½
" 50-lb. and above, "	0 23½

Boiler and T. K. Pitts.	
Plain Tinned, per lb	0 28
Spun, per lb	0 32

Brass.

Roll and Sheet, 14 to 30 gauge, 5 per cent.

Sheets, hard-rolled, 2x4	0 24 — 0 25
Tubing, base, per lb	0 24 — 0 25

Zinc Spelter

Foreign, per lb	0 07 — 0 07¼
Domestic "	

Zinc Sheet.

5 cwt. casks	0 08
Part casks	0 08¼

Lead.

Imported Pig, per lb	0 04¾ — 0 05
Domestic, per lb	
Bar, 1 lb	05
Sheets, 2½ lbs. sq. ft., by roll.	0 05¼ — 05½
Sheets, 3 to 6 lbs., per sq. ft., by roll	0 05 — 0 05¼

NOTE.—Cut sheets ½ cent per lb. extra

Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 17½ per cent. discount	

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths, lists at 7½ cents.

Shot.

Ordinary, drop, $5.25 per 100 lb.; chilled $5.50 per 100 lb. F.O.B. Toronto; terms 3 per cent. cash, freights equalized on Montreal.

Soil Pipe and Fittings.

Discount, 50 per cent. on medium and extra heavy, and 45 per cent. on light.

Solder.

	Per lb.	Per lb.
Bar half-and-half	0 20	0 21
Refined	0 19½	0 20
Wiping	0 19	0 19½

NOTE.—Prices of this graded according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 11 — 0 11½

White Lead.

	Per cwt.
Pure, Assoc. guarantee, ground in oil, 25 lb. irons	6 50
No. 1 do	6 12½
No. 2 do	5 75
No. 3 do	5 37½
No. 4 do	5 00
Robertson's Chemically Pure	6 50
Munro's Select Flake White	6 75
Elephant and Decorators' Pure	6 50

Red Lead.

Genuine, 560 lb. casks, per cwt.	$5 00
Genuine, 100 lb. kegs, per cwt.	5 25 — 5 50
No. 1, 560 lb. casks, per cwt.	4 75
No. 1, 100 lb. kegs, per cwt.	5 00

White Zinc Paint.

Elephant Snow White	0 08 — 0 09
Pure White Zinc	0 08 — 0 09
No. 1	0 06 — 0 07½
No. 2	0 05 — 0 06½

Dry White Lead.

Pure, casks	0 05⅛
Pure, kegs	0 05⅜
No. 1, casks	0 04⅞
No. 1, kegs	0 05⅛

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)

Pure, per gallon	1 00 — 1 10
Second qualities, per gallon	0 90 — 0 95
Barn (in bbls.)	0 70 — 0 90
The Sherwin-Williams Paints	1 30
Canada Paint Co's Pure	1 10 — 1 20
Robertson's Pure	1 10
Sanderson Pearcy's Pure	
Toronto Paint and Color Co.'s Pure	1 10 — 1 20

Colors in Oil.

(25 lb. tins, Standard Quality.

Venetian Red, per lb	0 05
Chrome Yellow	0 11
Golden Ochre	0 06
French "	0 05
Marine Black	0 09
" Green	0 09
Chrome "	0 08
French Imperial Green	0 19

Colors, Dry.

Yellow Ochre (J.C.) bbls	1 35 — 1 40
Yellow Ochre (J.F.L.S.), bbls	2 75
Yellow Ochre (Royal)	1 10 — 1 15
Brussels Ochre	2 00
Venetian Red (best), per cwt.	1 80 — 1 90
English Oxides, per cwt.	3 00 — 3 25
American Oxides, per cwt	1 75 — 2 00
Canadian Oxides, per cwt.	1 75 — 2 00
Super Magnetic Oxides, 93 p.c.	2 00 — 2 25
Burnt Sienna, pure, per lb.	0 10
" Umber, " "	0 10
do Raw	0 09
Drop Black, pure	0 09
Chrome Yellows, pure	0 18
Chrome Greens, pure, per lb.	0 12
Golden Ochre	0 03¾
Ultramarine Blue in 28-lb boxes, per lb.	0 08 — 0 24
Fire Proof Mineral, per 100 lb.	1 00
Genuine Eng. Litharge, per lb	0 07
Mortar Color, per 100 lb.	1 25
James' Gen. Red Lead, 100 lb	0 05
Pure Indian Red, No. 45, lb.	0 08
Whiting, per 100 lb.	0 55

Sulphate of Copper.

Casks, for spraying, per lb.	0 07
100-lb. lots, do. per lb	0 08

Putty.

Bladders in bbls.	1 80
Bladders in 100 or 200 lb. kegs or bxs	1 95
Bulk in bbls., per 100	1 65
Bulk in less quantities	1 80
25-lb. tins, 4 in case	2 05
12½-lb. tins, 8 in case	2 30

Varnishes.

(In 5-gal. lots.).	Per gal.
Carriage, No. 1	1 30 — 1 40
Extra do.	1 50 — 1 60
Body Varnish	3 40 — 3 50
Furniture Varnish	0 60 — 0 75
Extra do.	1 10 — 1 20
Demar Varnish	1 60
Hard Oil Finish	1 30 — 1 45
Orange Shellac Varnish	2 00 — 2 10
White Shellac	2 20 — 2 25
Rubbing Varnish	2 00
Brown Japan	85 — 1 00
Elastic Oak	1 40

Linseed Oil.

Raw.		Boiled.	
1 to 4 bbls	$0 60	delivered	$0 63
5 to 9 bbls	59	"	62
10 to 15 bbls	58	f.o.b. point shipment	61
16 to 30 bbls	57	"	60

Turpentine.

Single barrels	0 73
2 to 4 barrels	0 72

Freight allowed. Toronto, Hamilton London and Guelph, 2c. less.

Castor Oil.

In cases, per lb	0 09
Small lots	0 10

Cod Oil, Etc.

Cod Oil, per gal.	0 50 — 0 55
Pure Olive	1 20
" Neatsfoot	90

Glue.

(In bbls.)	
Common	0 08½ — 0 09
French Medal	0 12 — 0 12½
Cabinet, sheet	0 11 — 0 12
White, extra	0 16 — 0 18
Gelatine	0 22 — 0
Strip	0 16 — 0 18
Coopers	0 19 — 0 20
A1 clear	0 09

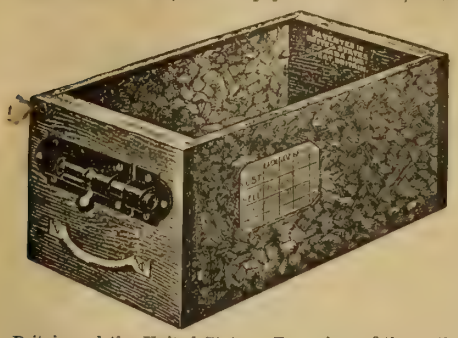
HARDWARE.

Ammunition.

Cartridges.

B. B. Caps, Dom., 50 and 5 per cent.
Rim Fire Pistol, dis. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18 p.c. Amr

CHRISTMAS TRADE over, then stock-taking, and after that the usual right siding during the slack time which will be a good opportunity to put in **Bennett's Hardware Shelf Box**, now so popular in Canada, Great Britain and the United States. For prices of these, the Klondike Sample Holder and Bennett's new bronze box pull, write to



J. S. BENNETT, 20 Sheridan Ave., Toronto.

N. B.—Shelf boxes made to fit your present shelving.

WARNOCK'S TOOLS

have been Canada's Standard for 55 years---since 1844. Every article bearing our name is fully guaranteed. Always specify **"Warnock's."**

James Warnock & Co., - Galt, Ont.

Central Fire Cartridges, pistol sizes, Dom 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p.c.
Brass shot Shells, 55 and 10 per cent.
Primers, Dom., 30 per cent.

Wads.

	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ¼-lb. bags	0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Per lb	10	0 12½
Anvil and Vice combined	....	4 50
Wilkinson & Co.'s Anvils..lb.	0 09	0 09½
Wilkinson & Co.'s Vices..lb.	0 09¾	0 10

Augers.

Gilmour's, discount 50 and 10 p.c. off list.

Axes.

Chopping Axes—		
Single bit, per doz	5 50	10 00
Double bit, "	12 00	18 00
Bench Axes, 40 and 15 p.c.		
Broad Axes, 35⅓ per cent.		
Hunters' Axes	5 50	6 00
Boy's Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Bath Tubs.

Zinc	3 90	4 00
Copper, discount 40 and 10 p.c. off revised list		
Steel clad, discount 20 per cent. Boxing extra.		

Anti-Friction Metal.

Tandem "A"	per lb.	0 23
" B	"	0 19
" C	"	0 11½
Magnolia Anti-Friction Metal, per lb.		0 25
F. O. B. New York or Chicago.		

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent.

Door.

Gongs, Sargant's | 5 50 | 8 00
" Peterboro', discount 27½ per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Farm.

American, each | 1 25 | 3 00

House.

American, per lb | 0 35 | 0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00
Blacksmiths', discount 40 per cent.		

Belting.

Extra, 50 per cent.
Standard, 50 and 10 to 50, 10 and 5 per cent.
Agricultural, 60 and 10 p.c.

Bits.

Auger.

Gilmour's, discount 50 and 10 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent.

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb | 0 07¾ | 0 12

Bolts and Nuts. Per cent.

Norway Bolts, full square	65
Common Carriage Bolts, all sizes	50
" " " full square	65
Machine Bolts, all sizes	52½
Coach Screws	65
Sleigh Shoe Bolts	70
Blank Bolts	52½
Bolt Ends	62½
Nuts, square	3½c. off
Nuts, hexagon	4c. off
Tapping Nuts	60
Tire Bolts	60 and 10
Stove Bolts	60 and 10
Stove rods, per lb	5½ to 6c.
Plough Bolts	50

Boot Calks.

Small and medium, per M	4 50
Small heel, per M	4 25

Bright Wire Goods.

Discount | 55 per cent.

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent.

Henis, No. 8, "	....	6 00
Henis, No. 9, "	....	7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Plain building, per roll	0 28
Tarred lining, per roll	0 35
Tarred roofing, per 100 lb	1 40
Coal Tar, per barrel	3 75
Pitch, per 100-lb	0 60
Carpet felt, per 100 lb	2 50

Bull Rings.

Copper, $2.50 for 2½ in. and $2 for 2 in,

Butts.

Brass.

Wrought Brass, net revised list.

Cast Iron.

Loose Pin, dis., 60 per cent.

Wrought Steel.

Fast Joint, dis. 60 and 10 per cent.
Loose Pin, dis. 60 and 10 per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.
Gen. Bronzed, per pair | 0 40 | 0 65

Cards.

Horse, per doz | 0 60 | 1 00

Carpet Sweepers.

Bissell, per doz	....	22 50
World, "	....	21 75
Daisy, "	....	24 00
Star, "	....	18 00
Crown Jewel, per doz	....	29 00
Grand Rapids, "	24 00	33 00

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross | 50 | 9 50

Cement.

Canadian Portland	2 65	2 90
English "	....	3 00
Belgian "	....	2 70
Canadian hydraulic	1 00	1 10

Figures are for barrel lots.

Chalk.

Carpenters, Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 60 and 5 per cent.
Warnock's, dis. 60 per cent.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above.
Discounts: Delivered from factories, 60 p.c.; from stock in Montreal, 58 p.c.
Terms, 4 months or 3 p.c. cash in 30 days.

Cinder Sifters.

Per doz | 1 25

Clips.

Axle dis. 65 per cent.

Closets.

Plain Ontario Syphon Jet	$8 00
Emb. Ontario Syphon Jet	8 50
Fittings	1 00
Plain Teutonic Syphon Washout	4 75
Emb. Teutonic Syphon Washout	5 25
Fittings	1 00
Plain Richelieu	4 75
Emb. Richelieu	5 00
Fittings	1 25
Closet connection	1 25
Basins, round, 14 in.	0 65
" oval, 17 x 14 in.	1 55
" " 19 x 15 in.	2 30

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 20 per cent. from factory.

Crosscut Saw Handles.

S. & D., No. 3, per pair	17½
" " 5, "	22½
" " 6, "	15
Boynton pattern "	20

Dies.

Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. per cent.

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Broad's, dis 60 to 60 and 7½ per cent.
Warnock's, dis. 60 to 60 and 7½ per cent.

Drills.

Hand and Breast.

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.

ELBOWS. (Stovepipe.)

No. 1, per doz		1 80
No. 2, per doz		1 60
Bright, 20c. per doz. extra.		

ESCUTCHEONS.

Discount, 27½ per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 45 per cent.

FILES.

Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Jowitt's, English list, 25 to 27½ per cent.
Mechanics' Star & File Mfg. Co. Discount 60 and 10 to 70 per cent.

FORKS.

Hay, manure, etc., dis., 50 and 10 per cent. revised list.

FRUIT PRESSES.

Henis', per doz | 3 25 | 3 50
Shepard's Queen City, dis. 15 per cent.

GAUGES.

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each | 1 65 | 2 40

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft
Under 26	2 10	4 00	3 50	6 00
26 to 40	2 30	4 35	3 75	6 65
41 to 50	....	4 75	....	7 25
51 to 60	....	5 00	....	8 50
61 to 70	....	5 35	....	9 25
71 to 80	....	5 75	....	10 50
81 to 85	....	6 50	....	11 75
86 to 90	....	7 25	....	14 00
91 to 95	....	....	....	15 50
96 to 100	....	....	....	18 00
101 to 105	....	....	....	21 00
106 to 110	....	....	....	24 00
111 to 115	....	....	....	28 00

16 x 16 10 per cent. off.

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾ "	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis 5 to 10 per cent. Can. dis. 25 to 27½ per cent.

Tack.

Magnetic, per doz | 1 10 | 1 20

Sledge.

Canadian, per lb | 0 07½ | 0 08½

Ball Pean.

English and Can., per lb | 0 22 | 0 25

HANDLES.

Axe, per doz., net	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pair	0 40	2 50

Fork.

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B., dis. 40 per cent. rev. list.

Saw.

American, per doz | 1 00 | 1 25

Plane.

American, per gross | 3 15 | 3 75

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair | 0 13¾ | 0 20

HANGERS. doz. pairs

Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6
Lane's covered—		
No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot		4½

HARVEST TOOLS.

Discount, 50 and 10 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent.

HINGES.

Blind, Parker's, dis. 60 and 10 to 65 per cent		
" Shepard's Noiseless, dis. 60 per cent.		
" " Buffalo, dis. 60 to 70 p. c.		
Heavy T and strap, 4-in., per lb		0 06
" " 5-in., "		0 05¾
" " 6-in., "		0 05½
" " 8-in., "		0 05¼
" " 10-in., "		0 05
Light T and strap, dis. 60 and 10 per cent.		
Screw hook and hinge—		
6 to 12 in., per 100 lbs	....	4 50
14 in. up, per 100 lbs	...	3 50
	Per gro.	pair
Spring	....	12 00

HOES.

Garden, Mortar, etc., dis. 50 and 10 p.c.		
Planter, per doz	4 00	4 50

HOLLOW WARE

Discount, ... 45 and 5 per cent

HOOKS.

Cast Iron.

Bird Cage, per doz	0 50	1 10
Clothes Line, per doz	0 27	0 63
Harness, per doz	0 72	0 88
Hat and Coat, per gross	1 00	3 00
Chandelier, per doz	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.

Hat and Coat, discount 45 per cent.
Belt, per 1,000 ..... 0 60 0 70
Screw, bright, dis. 55 per cent.

HORSE NAILS.

"C" brand 50 p.c. dis.
"M" brand 50 p.c. } Oval head.

Acadian, countersunk head and oval top, 60 per cent.

HORSESHOES.

Iron Shoes.	F.O.B. Toronto. No. 2 and larger.	No. 1. and smaller.
Light, medium, and heavy	3 80	4 05
Snow shoes	4 05	4 30
Steel Shoes.		
Light	4 10	4 35
Featherweight (all sizes)	5 35	5 35

JAPANNED WARE.

Discount, 45 per cent. off list, June, 1899.

ICE PICKS.

Star, per doz 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.

Copper, per lb	0 30	0 50

American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 27½ p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door, japanned and N.P., per doz	1 50	2 50
Bronze, Berlin, per doz	2 75	3 25
Bronze Genuine, per doz	6 00	9 00
Shutter, porcelain, F. & L. screw, per gross	1 30	4 00

HAY KNIVES.

Discount, 50 and 10 per cent.

LANTERNS.

Cold Blast, per doz	7 50
No. 3 "Wright's"	8 50
Ordinary, with O burner	4 25
Dashboard, cold blast	9 50
No. 0	6 00

Japanning, 50c. per doz. extra.

LEMON SQUEEZERS.

	per doz.	
Porcelain lined	2 20	5 60
Galvanized	1 87	3 85
King, wood	2 75	2 90
King, glass	4 00	4 50
All glass	1 20	1 30

LINES.

Fish, per gross	1 05	2 50
Chalk "	1 90	7 40

LOCKS

Canadian, dis. 27½ p.c.

Russell & Erwin, per doz	3 05	3 25
Cabinet.		

Eagle, dis. 30 p.c.

Padlock.

English and Am., per doz	50	6 00
Scandinavian, "	1 00	2 40

Eagle, dis. 15 to 17½ p.c.

MACHINE SCREWS.

Iron and Brass.

Flat head, discount 25 p.c.
Round Head, discount 20 p.c.

MALLETS.

Tinsmiths', per doz	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz.	3 85	5 00
Caulking, each	60	2 00

MATTOCKS

Canadian, per doz	8 50	10 00

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2d. and 3d	$3 60	$4 30
3d	3 25	3 95
4 and 5d	3 00	3 80
6 and 7d	2 90	3 65
8 and 9d	2 75	3 45
10 and 12d	2 70	3 40
16 and 20d	2 65	3 35
30, 40, 50 and 60d. (base)	2 60	3 30

Steel Cut Nails 10c. extra.

NAIL PULLERS.

German and American	1 85	3 50

NAIL SETS.

Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.

Poultry, 45 per cent. for McMullen's.

OIL.

Canada refined (Toronto)	....	0 13½
Sarnia Water White	....	0 15
Pratt's Astral	....	0 18
Sarnia, Prime White	....	0 14
American w. w.	....	0 16½

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz	0 00	11 00

Zinc and tin, dis. 50, 50 and 10.

Copper, per doz	1 25	3 50
Brass, "	1 50	3 50

Malleable, dis. 25 per cent.

PAILS.

Galvanized pails, discount 45 per cent.
Galvanized flaring pails, discount 45 per cent
Galvanized washtubs, discount 45 per cent.

PIECED WARE.

Discount, 40 per cent. off list, June, 1899.

PICKS.

Per doz	6 00	9 00

PICTURE NAILS.

Porcelain head, per gross	1 50	3 00
Brass head, "	0 40	1 00

PLANES.

Wood, bench, Canadian dis. 55 per cent. American dis. 55.
Wood, fancy Canadian or American, 37½ to 40 per cent.
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.
Miscellaneous, dis. 25 to 27½ per cent.
Bailey's Victor, 25 per cent.

PLANE IRONS.

English, per doz	2 00	5 00

PLIERS AND NIPPERS.

Button's Genuine, per doz pairs, dis. 37½ 40 p.c.
Button's Imitation, per doz.. 5 00 9 00
German, per doz 0 60 2 60

PRESSED SPIKES.

Discount, 20 per cent.

PULLEYS.

Hothouse, per doz	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS

Canadian cistern	1 40	2 25
Canadian pitcher spout	1 15	2 00

PUNCHES.

Saddlers', per doz	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set	0 00	0 72
" hollow, per inch	0 00	1 00

RANGE BOILERS

Galvanized, 30 gallons		8 50
" 35 "		10 00
" 40 "		11 00
Copper, 30 "		22 00
" 35 "		26 00
" 40 "		30 00

Discount off Copper Boilers 10 per cent.

RAKES.

Cast steel and malleable Canadian, list dis. 50 and 10 p.c. revised list.
Wood, 25 per cent.

RASPS AND HORSE RASPS.

New Nicholson horse rasp, discount 60 p.c.
Globe File Co.'s rasps, 60 and 10 to 70 p.c.
Heller's Horse rasps, 50 to 50 and 5 p.c.

RAZORS.

	per doz.	
Geo. Butler & Co.'s	8 00	18 00
Roker's	7 50	11 00
Wade & Butcher's	3 60	10 00
Theile & Quack's	7 00	12 00
Elliot's	4 00	18 00

REAPING HOOKS.

Discount, 50 and 10 per cent.

REGISTERS.

Discount, ... 60 per cent.

RIVETS AND BURRS.

Carriage, Section, Wagon Box Rivets, etc. (Steel), 45 p.c.
Black M. Rivets (Steel), 45 p.c.
Black and Tinned Rivets, 45 p.c.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets & Burrs, 35 p.c. dis., and cartons, 1c. per lb. extra, net.
Extras on Tinned or Coppered Rivets in ½-lb. cartons, 1c. per lb.
Burrs, iron or steel, 40 per cent.
Terms, 4 mos. or 3 per cent. cash 30 days.

RIVET SETS.

Canadian, dis. 35 37½ per cent.

ROPE, ETC.

	Sisal.	Manila.
7-16 in. and larger, per lb.	12½	15
⅜ in.	13	15½
¼ and 5-16 in.	13½	16
Cotton		14
Russia Deep Sea		15½
Jute		8
Lath Yarn		9¾
New Zealand Rope		10½

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

	per set.
Mrs. Potts, plain, polished	0 90
" " 12 case ots	0 85

10c. advance for plated.

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 2½ per cent.
Emery, 40 per cent.

SAWS.

Hand, Disston's, dis. 12½ p.c.
S. & D., 40 per cent.

Crosscut, Disston's, per ft	0 35	0 55

S. & D., dis. 35 p.c. on Nos. 2 and 3.

Hack, complete, each	0 75	2 75
" frame only	....	0 75

SASH WEIGHTS.

Sectional, per 100 lbs	....	3 25
Solid, "	....	1 50

SASH CORD.

Per lb	0 23	0 30

SAW SETS.

"Lincoln," per doz	....	6 50

SCALES

Gurney Scales, 45 p.c.
B. S. & M. Scales, 45 p.c.
Champion, 55 per cent.
Fairbanks Standard, 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Chatillon Spring Balances, 10 p.c.

SCREW DRIVERS.

Sargent's, per doz	0 65	1 00

SCREWS

Wood, F. H., iron, and steel, 80 p.c.
Wood R. H., " dis. 75 p.c.
" F. H., brass, dis. 75 p.c.
Wood, R. H., " dis. 67½ p.c.
" F.H., bronze, dis. 67½ p.c.
" R.H. " 62½ p.c.
Drive Screws, 80 per cent.

Bench, wood, per doz	3 25	4 00
" iron, "	4 25	5 75

SCYTHES.

Discount, per doz, net	9 00	15 00

SCYTHE SNATHS.

Canadian, dis. 45 p.c.

SHEARS

Seymour's, dis. 50 and 10 p.c.
Heinisch, dis. 50 and 10 p.c.
Seymour or Heinisch tailor shears. 15 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SINKS.

Steel and galvanized, discount 45 per cent.

SNAPS.

Harness, German, dis. 25 p.c.		
Lock, Andrews'	4 50	11 50

SOLDERING IRONS.

1, 1½ lb., per lb	0 37
2 lb. or over, per lb	0 34

SQUARES.

Iron, No. 493, per doz	2 40	2 55
" No. 494, "	3 25	3 40

Steel, dis. 50 and 5 to 50 and 10 p.c., rev. list.
Try and bevel, dis. 50 to 52½ p.c.

STAMPED WARE.

Plain, dis., 75 and 12½ p.c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized	3 75
Bright	3 50

STOCKS AND DIES.

American dis. 25 p.c.

STONE.

	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 07
" slip,	0 09	0 09
Labrador	....	0 13
" Axe	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, per ton	15 00	18 00

STOVE PIPES.

5 to 6 inch, per 100 lengths	....	6 75
7 inch, per 100 lengths	....	7 25

Stove Polish.



No. 4—3 dozen in case, net cash $4 50
No. 6—3 dozen in case, " 7 50

STEP LADDERS.

Best grade, from 3 to 10-ft. long, per foot, 16c
2nd grade, 3 to 10-ft., per foot, 10c.

TACKS BRADS, ETC.

	Per cent.
Strawberry box tacks, bulk	75
Cheese-box tacks, blued	80 and 12½
Trunk tacks, black and tinned	80 and 12½
Carpet tacks, blued and tinned	75 and 10
" " (in kegs)	35
Cut tacks, blued, in dozens only	70 and 10
" ¼ weights	55
Swedes, cut tacks, blued and tinned—	
In bulk	80
In dozens	70 and 10
Swedes, upholsterers', bulk	80 and 12½
" brush, blued & tinned, bulk	45
" gimp, blued tinned and japanned	70 and 10
Zinc tacks	30
Leather carpet tacks	55
Copper tacks	50
Copper nails	52½
Trunk nails, black	65
Trunk nails, tinned	65 and 5
Clout nails, blued and tinned	65
Chair nails	35
Cigar box nails	35
Patent brads	40
Fine finishing	40
Picture frame points	10
Lining tacks, in papers	10
" " in bulk	15
" " solid heads, in bulk	75
Saddle nails in papers	10
" " in bulk	15
Tufting buttons, 22 line, in dozens only	60
Tin capped trunk nails	15
Zinc glazier's points	5
Double pointed tacks, dozens	35
" " " bulk	35

TAPE LINES.

English, ass skin, per doz	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRANSOM LIFTERS.

Payson's per doz	2 60

TRAPS. (Steel.)

Game, Newhouse, dis. 2[illegible] p.c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's, discount 10 per cent.

German, per doz	4 75	6 00
Brade's "	5 00	10 50

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb	....	0 21
Wrapping, mottled, per pack.	0 50	0 60
Wrapping, cotton, per lb	0 17	0 18
Mattress, per lb	0 33	0 45
Staging, "	0 27	0 35
Broom, "	0 30	0 55

VISES.

Hand, per doz	4 00	6 00
Bench, parallel, each	2 00	4 50
Coach, each	6 00	7 00
Peter Wright's, per lb	0 12	0 13
Pipe, each	5 50	9 00
Saw, per doz	6 50	13 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

Brass wire, 50 to 50 and 2½ per cent. off the list.
Copper wire, 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Smooth Steel Wire, base, $3.45 per 100 lb. List of extras: Nos. 2 to 5, advance 7c. per 100 lb.—Nos. 6 to 9 base—No. 10, advance 7c.—No. 11, 14c.—No. 12, 20c—No. 13, 35c—No. 14 47c.—No 15, 60c.—No. 16, 75c. Extras net per 100 lb.: Coppered wire, 60c.—tinned wire, $2—oiling, 10c.—special hay-bailing wire, 30c.—spring wire, $1—best steel wire, 75c.—bright soft drawn, 15c.—in 50 and 100-lb. bundles net, 10c.—in 25-lb. bundles net, 15c.—packed in casks or cases, 15c.—bagging or papering, 10c.
Fine Steel Wire, dis. 12½ per cent. List of extras: In 100-lb. lots: No. 17, $5—No. 18, $5.50—No. 19, $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, $7.65—No. 24, $8—No. 25, $9—No. 26, $9.50—No. 27, $10—No. 28 $11—No 29, $12—No. 30, $13—No. 31, $14—No 32, $15 No. 33, $16—No. 34, $17. Extras net—tinned wire, Nos. 17-25, $2—Nos. 26-31, $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles, 25c.—in 1-lb. hanks, 50c.—in ¼-lb. hanks, 75c.—in ¼-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $4.25—No. 9, $3.5[illegible]—No. 10, $4.40—No. 11, $4.45—No. 12, $3 70—No. 13, $3.45—No. 14, $5.00—No. 15. $5.30—No. 16. $5.50.
Clothes Line Wire, 19 gauge, per 1,000 feet 3 30

WIRE FENCING.

	F.O.B Toronto
Galvanized, 4 barb, 2¼ and 5 inches apart	.... 3 60
Galvanized, 2 barb, 4 and 6 inches apart	.... 3 60
Galvanized, plain twist	.... 3 60

Terms, 2 per cent. in 10 days.

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net... 1 90
Terms, 4 months, May 1.; 3 p.c. off 30 days.

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.

Towers' Engineer, each	2 00	00
" S., per doz	5 80	00
G. & K.'s Pipe, per doz	....	3 40
Burrell's Pipe, each	....	3 00
Pocket, per doz	0 25	2 90

WRINGERS.

Leader ..... per doz.	$60 00
Royal Canadian ..... "	58 00
Royal American ..... "	48 00

Discount, 45 per cent.: terms 4 months, or p.c. 30 days. Prices are f.o.b. London Hamilton, Toronto, Brockville or Montreal.

WROUGHT IRON WASHERS.

Canadian make, discount, 25 per cent.

TRENT CANAL.

TRENTON AND FRANKFORD DIVISION.

NOTICE TO CONTRACTORS.

SEALED TENDERS addressed to the undersigned, and endorsed "Tenders for Trent Canal," will be received at this Office until noon on Saturday, 30th December, 1899, for the construction of about nine miles of Canal between Trenton and Frankford.

Plans, specifications of the work and forms of Contract can be seen at the office of the Chief Engineer of the Department of Railways and Canals, at Ottawa, or at the Superintending Engineer's Office, Peterboro', where forms of tender can be obtained on and after Thursday, Nov. 30th, 1899.

In the case of firms there must be attached the actual signatures of the full name, the nature of the occupation and place of residence of each member of the same, and, further, an accepted bank cheque for the sum of $25,000 must accompany the tender; this accepted cheque must be endorsed over to the Minister of Railways and Canals, and will be forfeited if the party tendering declines entering into contract for work at the rates and terms stated in the offer submitted. The accepted cheque thus sent in will be returned to the respective parties whose tenders are not accepted.

The lowest or any tender not necessarily accepted.

By order,
L. K. JONES,
Secretary.

Department of Railways and Canals,
Ottawa, 24th November, 1899.

Newspapers inserting this advertisement without authority from the Department will not be paid for it. (52)

CHARLES E. TALBOT

19 Castle St., Liverpool.

General Merchant and Agent.

Agencies undertaken for Canadian manufacturers and produce.

British goods of all kinds supplied.

Correspondence solicited.

FULL STOCK

DIAMOND BRAND



WIND GUARDS,
CHIMNEY TOPS,
FLUE LININGS,
CULVERT PIPES,
SEWER PIPES,
INVERT BLOCKS.

Manufactured by the

HAMILTON AND TORONTO SEWER PIPE CO.

Hamilton, Ontario. **Limited**

Deseronto Iron Co.

LIMITED

DESERONTO, ONT.

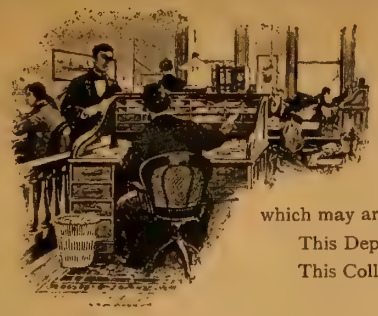
Manufacturers of

Charcoal Pig Iron

BRAND "DESERONTO."

Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

Belleville Business College, BELLEVILLE, ONT.



Our Commercial or Business Course

is exceptionally varied and comprehensive, providing not only complete familiarity with the elements of bookkeeping and the ordinary forms of books, but it introduces such a variety of special features of modern bookkeeping, that the student is able to ADAPT HIS KNOWLEDGE TO ANY CONTINGENCY which may arise in his experience as a bookkeeper.

This Department prepares for all **Accountancy Examinations.**

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Address: J. FRITH JEFFERS, M.A., Principal.

CHAS. F. CLARK, President. JARED CHITTENDEN, Treasurer.

ESTABLISHED 1849.

BRADSTREET'S

Capital and Surplus, $1,500,000. **Offices throughout the civilized world.**

Executive Offices: 346 and 348 Broadway, New York City, U.S.A.

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NEW Automatic shell extracting, double action, small frame. Weighs 12 oz. Rebounding lock. 32 caliber. 5 shot.

Made with shorter barrel for bicycle use.

The most perfect small pistol made.

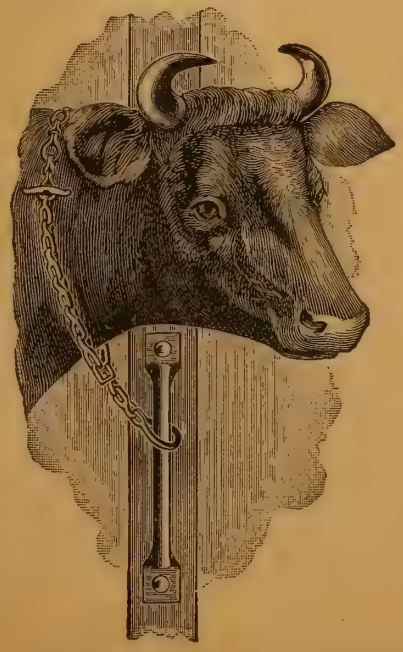
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Manufacturers of the

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Worcester, Mass.



Dominion Pattern

Cow Tie AND Stall Fixture

The special features of the tie and stall fixture are well shown in the illustration. As will be noticed the chain is very short which prevents all danger of entanglement with the animal's foot. At the same time the form of the fixture is such that great freedom is allowed to the head. Because of the short chain this tie is much cheaper than the ordinary patterns.

The stall fixture is made from a tough quality of steel and is very strong. Also, owing to its circular cross-section, it is exceedingly rigid. Its simplicity, convenience, cheapness, and ease of attaching make it very popular with cow tie users.

This form of tie and stall fixture are sometimes called Niagara pattern.

American or Flat Link Chain,

for years the standard cow tie chain in "the States," is now rapidly coming in favor in Canada. Its short link, handsome appearance and smooth surface—which cannot injure the animal's neck—make it superior to all other styles of chain for cow ties.

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ONEIDA COMMUNITY, Limited, NIAGARA FALLS, ONT.

Est. 1863 — Inc. 1895

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G. & H. Barnett Company

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"PYRAMID" BRAND



BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM
HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

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OF TORONTO, LIMITED.

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ALL KINDS AND FOR ALL PURPOSES.

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Clotheslines	Plow Lines	Drilling Cables and	Sand Lines

"FIRMUS" Transmission Rope from the finest quality Manila hemp obtainable. Orders will not be accepted for second quality or "mixed" goods.

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The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. XI. MONTREAL AND TORONTO, DECEMBER 30, 1899. NO. 52

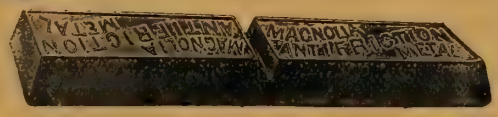


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Best Anti-Friction Metal for all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up in bars, of which this is a

FAC-SIMILE.



The name and trade mark appear on each box and bar, and besides this, the words "Manufactured in United States" and "Patented June 3, 1890" are stamped on the under side of each bar.

Magnolia Metal is still selling at the same price it has always sold at—no advance.

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CANADIAN OFFICE—524 Board of Trade Building, Montreal. CLEVELAND OFFICE—15 South Water Street.

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in exchange for **"Queen's Head"** Iron. Complete stocks in Montreal and Toronto. Jobbing trade only.

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A book that will help you and suggest ideas about Steam or Hot-Water Heating that perhaps you never thought of. It not only *tells* why, but *shows* why the various styles of the "Safford" Radiator are without an equal in the Radiator world. It is illustrated—you don't have to study it out.

Safford Radiators

are absolutely unbreakable—no rods, bolts or packing; screw nipple connections make them safe. Each one is guaranteed by the largest Radiator manufacturers under the British flag. Send a post card for the free book—it will interest you.

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Brass Kettles . . .
and Chafing Dishes

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.303 CAL.



Hammerless
Smokeless
Six-Shooter

New 1899 Model

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Toronto, RICE LEWIS & SON
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LATEST and FINEST Rifle manufactured.

Write for complete Catalogue W.

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Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.

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NEW YORK OFFICE, 90 Chambers St. NEWARK, N.J., U.S.A.

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"EUREKA"
STEEL SAP SPOUTS



Patented 1896 . . . . . Cut Shows Full Size of Spout

Economical, durable and cheap. Holds the bucket safely and securely. Prevents all leakage and waste. Easily inserted, does not injure the tree, and secures full flow of sap.

Neatly packed in cardboard boxes, 100 each. Made in Berlin Bronze, 24, 22, 20 gauge; Tinned Steel, 20 gauge.

The THOS. DAVIDSON MFG. CO., Limited,

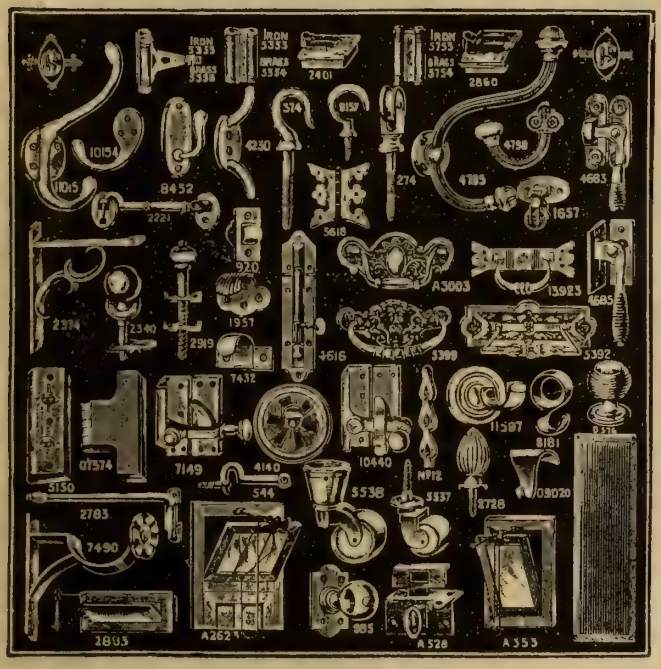
MONTREAL.

James Cartland & Son

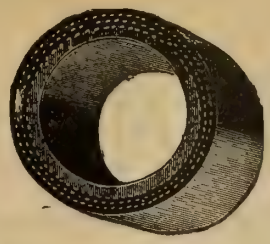
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BIRMINGHAM, ENGLAND.



London Showrooms: 57 Holborn Viaduct, E.C.



Hose made with Seamless Tube.
No seam to open.

A GARDEN HOSE TALK.

The public demand Garden Hose that will stand high pressures suddenly applied, and exposure to all weathers.

To satisfy these demands, strong duck well protected both inside and out is required.

Weights of duck differ with price of hose. The heavier the duck—all other things being equal—the stronger the hose. We aim to have our cheapest hose stand city pressure.

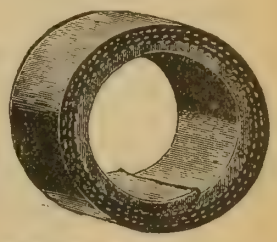
The inner tube of all qualities of our hose is made by our **PATENT SEAMLESS PROCESS.** With a seamless tube, drawn as is lead pipe, the entire inner circumference is equally strong. There is not a seam for the water to find its way through and thus reach the duck, and eventually cause a leak or leaks.

The cover of our Garden Hose is made to withstand the action of sun, wind, and water.

Our **PATENT SEAMLESS TUBE GARDEN HOSE** is strong and will withstand the action of water from within and weather from without, therefore it is reliable, and it will pay you to handle it. **No returns, No unpleasantness with customers.**

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MONTREAL. TORONTO. WINNIPEG.



Hose with lapped or butted seam.
Liable to open where joined.

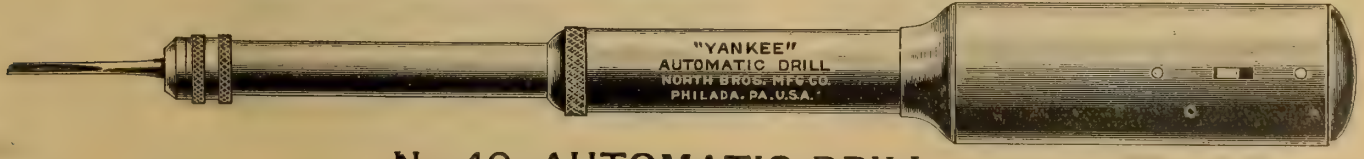
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No. 10 RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch,



No. 30 SPIRAL-RATCHET SCREW DRIVER.



No 40 AUTOMATIC DRILL.

FREE A handsome lithographed and embossed Sign in colors, on tin, to dealers handling these tools. Separate sign for each tool. Write at once which sign is wanted and it will be mailed post paid.

SEND FOR "YANKEE" TOOL BOOK.

North Bros. Mfg. Co.

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. . . AS THE NAME DENOTES . . .

The Oxford Triple Heater

FOR WOOD ONLY, has more than ordinary power.

It has collars for **2 HOT-AIR PIPES,** in addition to the smoke pipe, and will heat an entire house, doing the work of a furnace.

Its Tubular Spaces right over the fire, through which the cold air is drawn, heated and distributed, furnish complete circulation.

Triple Heaters are Handsome, Durable and Most Desirable.



Our **GLOBE HEATERS**—**for any kind of Coal,** and **OXFORD AIR BLASTS**—**for either Coal or Wood,** are two other favorite lines for smaller needs.

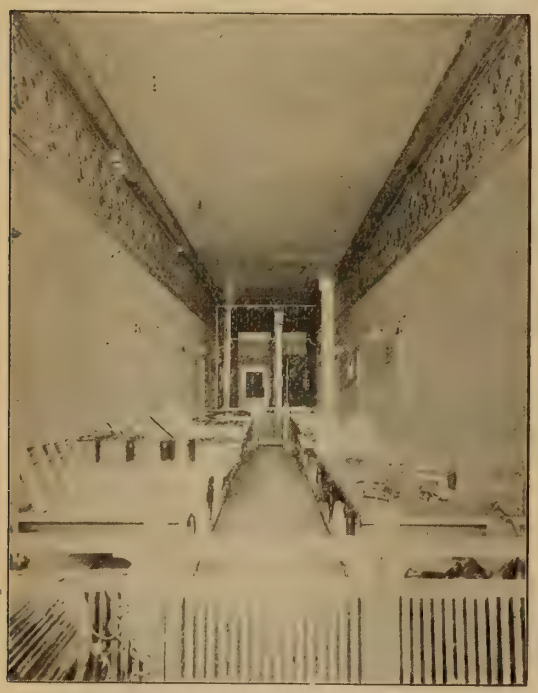
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Write us. We can fill all orders promptly.

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THE GURNEY-MASSEY CO., LIMITED, MONTREAL.

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Luxfer Prisms successfully lighting a store 100 feet long.



This is the best that ordinary glass could do before.

There Need Be No DOUBT If You Buy, You Save Money.

IF YOU WANT MORE DAYLIGHT, YOU WANT LUXFER PRISMS.

WE MAKE VISITORS WELCOME, AND SOLICIT LETTERS OF ENQUIRY.

THE LUXFER PRISM CO., Limited

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Two Wall Paper Beauties



No. 833.

"Malmaison" Empire Pattern

This design is especially commendable for its correctness of style. The decorative theme of this pattern was executed from a similar design known as a souvenir of Empress Josephine. The brilliancy of its gilding, accuracy of printing and richness of its ground colorings, on fancy embossed paper, render it invaluable for high-class decorations.

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An exquisite heraldic pattern with beautiful shield effect and royal armory—the very thing for parlors and halls. Printed on grounds of crown red, primordial blue, palace blue, maple, and bud-green colorings, in plain and embossed gilts.

A paper that will attract the lover of the beautiful.



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Your stock **cannot be complete** without the above beautiful patterns and others in the upper end of our line.

In point of originality, variety, novelty and quality we excel. Up-to-date in every way.

It does not COST you any more to get the BEST, but it PAYS you better. We want every dealer in Canada to judge for himself that we mean just what we say, and will send samples, free of all charge, to suit all requirements in the way of Wall Papers.

Don't wait—order now and get best selection and early delivery. You may need the goods sooner than you anticipate. The tide of prosperity will benefit you ever so much more if you handle **"PROSPERITY" WALL PAPERS**—only manufactured by

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Heavy Hardware and Metal Broker

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SEYBOLD, SON & CO.,

Established 30 years.

Carrying a complete assortment of HARDWARE, from a Needle to an Anchor.

SPECIAL LOW PRICED

Japanned Wire Cloth

24, 30, 36 in. wide, in 50 ft. Rolls.

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HAMILTON and MONTREAL.

DAVID MAXWELL & SONS

ST. MARYS, ONT., CANADA



Steel Frame.

"MAXWELL FAVORITE CHURN"

PATENTED FEATURES: Improved Steel Stand, Roller Bearings, and Foot and Hand Lever Drive.

LAWN MOWERS,

High and Low Wheels, from 12-in. to 20-in. widths. Cold Rolled Steel Shafting, Crucible Steel Knives and Cutting Plate

WHEELBARROWS,

In Four different sizes.

If your Wholesale House does not offer you these articles

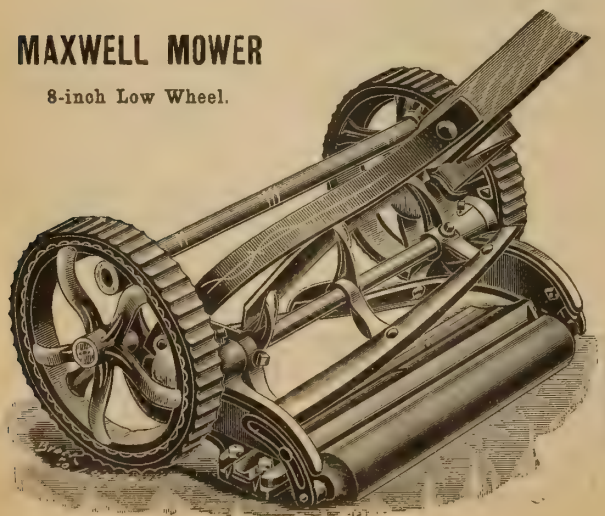
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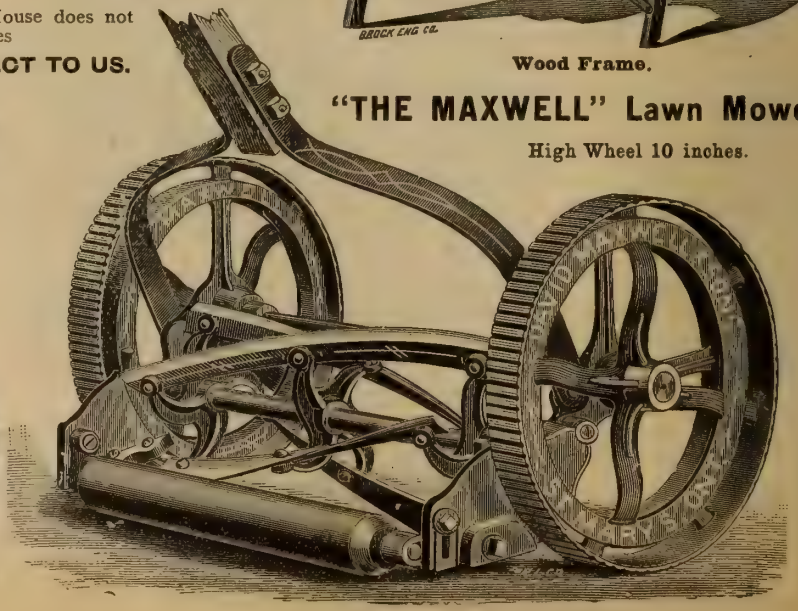
MAXWELL MOWER

8-inch Low Wheel.



"THE MAXWELL" Lawn Mower

High Wheel 10 inches.



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..HARDWARE MERCHANTS..

SKATES

...AND...

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Iron Merchants

Importers of British and Foreign

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EDDY'S WRAPPING PAPERS

possess a peculiar toughness adapting them for the HARDWARE TRADE.

The long fibre we make them of is responsible for this.

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PRINTED or UNPRINTED.

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Hull, Montreal, Toronto, Quebec, Hamilton, Kingston, St. John, Halifax, Winnipeg, Victoria, Vancouver, St. John's, Nfld.

About "C" Horse-Nails.

We ask your consideration of the following reasons for our making the claim that the "C" brand horse-nails made by our company since 1865 is the best for you to buy.

First :—The material of which they are made. It is the best obtainable—Swedish charcoal steel nail rods—made especially for our work, and imported direct by us from Sweden. We unhesitatingly affirm, that no better material is used by any manufacturer of horse-nails in the world for this purpose.

Second :—The process of manufacture. We forge the nails to the desired pattern from the nail rods while they are hot, and therefore in a malleable condition. Our process thoroughly hammers and consolidates the nail, making it tough and enduring : no other method will do this as satisfactorily. Our methods for polishing, rolling, pointing and finishing the nails differ from those used elsewhere in Canada, and we are satisfied, with much better results.

Third :—When the nails are finished, they are subject to a final careful examination and sorting by hand, so as to prevent a single imperfect nail being found in a box bearing our "C" brand.

Fourth :—We guarantee to every purchaser, that each box of horse-nails bearing our name and trade mark (the letter "C") is perfect and ready for immediate use. They may be returned at our expense if found otherwise.

Any dealer who wishes to secure the farrier trade, can only do so by selling the best horse-nails : The "C" brand will be found the best They are the standard nails of Canada, and have been thoroughly tested by thousands of farriers from the Atlantic to the Pacific for the past thirty-four years.

We ask those who wish to favour us with their orders, through any wholesale hardware merchant, to be particular and specify for the "C" brand made by the

CANADA HORSE NAIL COMPANY
MONTREAL



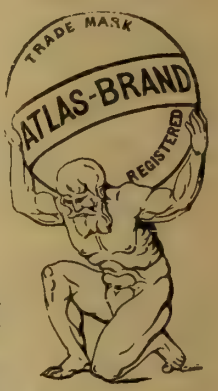
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Cloth and Paper.
Glass and Flint Paper.
"Atlas" Brand

"FLORA" Knife Polish, in 3d., 6d. and 1/ tins

Ground, Washed and Flour.

WHEELS of highest quality for general and special purposes.



Write for Latest Catalogues and Samples to

EMERY GRINDING MACHINERY

THE **LONDON EMERY WORKS CO.,** 10-12 Vine Street Clerkenwell, **LONDON, E.C.**

Agent in Canada—MR. T. L. PATON, 30 St. Francois Xavier Street, Montreal, P. O. Box 903.

Standard Steel Toe Calks

Sizes of Blunt :





WRITE FOR DISCOUNTS.





Sizes of Sharp Calks below for Fall of 1899 :

No.	Length.	Size.
0	1½ inch	3/8 x 5/16
1	1½ "	1/2 x 5/16
2	1¾ "	9/16 x 3/8
3	2 "	5/8 x 3/8
4	2¼ inch	3/4 x 3/8
5	2½ "	3/4 x 3/8
6	2¾ "	7/8 x 7/16
7	3 "	7/8 x 7/16

Price, $1.25 per box of 25 lbs. in bulk.
Or 24 lbs. in 4-lb. packages.

No.	Length.	Size.
0	1½ inch	9/16 x 3/8
1	1¾ "	9/16 x 3/8
2	2 "	11/16 x 7/16
3	2¼ "	3/4 x 1/2
4	2½ inch	3/4 x 1/2
5	2¾ "	15/16 x 9/16
6	3 "	15/16 x 9/16

Price, $1.50 per box of 25 lbs. in bulk.
Or 24 lbs. in 4-lb. packages.

JAMES PENDER & CO., Limited, Sole Mfrs. **Saint John, N. B., Canada.**

UNION HOCKEY SKATES

These goods will be found to be beautiful in design, finish and workmanship. The points of excellence are: **STRENGTH,** which is guaranteed. **WEIGHT,** which is light. **PROPER LINES** to fit sole of boot. **CORRECT EDGE** of blade, which insures power and speed. **HEIGHT and HANG** for ease of stroke and cutting corners.



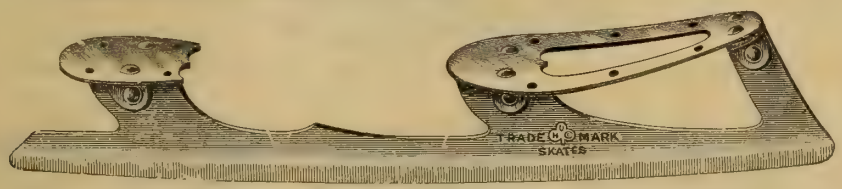
Plain Runner, Straight. Also Puck Stopper.



Flanged Runner. Also Puck Stopper.

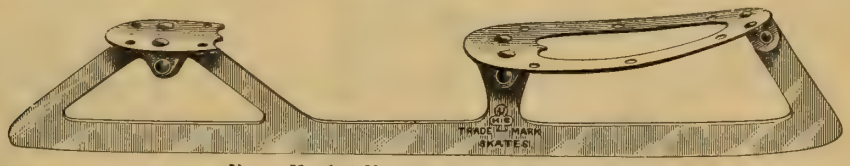
DOMINION MFG. & SKATE CO.

MONTREAL
40 Nazareth Street.



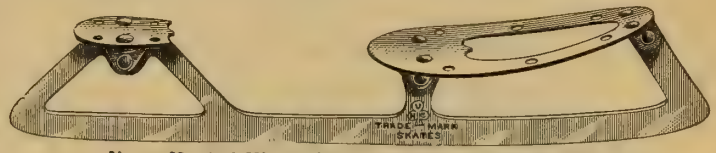
Flanged Runner, Curved or Rocker Blade, for Ladies.

THESE PATTERNS MADE IN ALL VARIETIES OF FINISH AND QUALITY



New Model Hockey, Arched Heel.

THE LARGEST AND MOST COMPLETE LINE ON THE MARKET



New Model Waltzing, for Men and Women.

Made in Canada.

UNION HARDWARE CO.

New York Office:
95 Chambers Street.

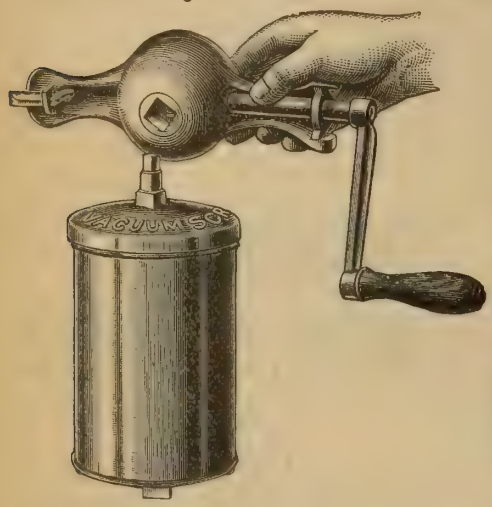
TORRINGTON, CONN., U.S.A.

Dealers Doubled their Dollars

by adopting the proposition we made them last year. We approached them then with what we *thought* would win out. **This Year** we ask you to take advantage of what *has proved* itself a winner. We have letters from dealers saying it increased their freezer business last year 200 per cent. With the first order for 1 dozen Peerless Iceland Freezers we advertise them so as to send freezer customers to your store—they will buy other goods as well as freezers. Write us. The particulars will interest you.

Peerless Iceland Freezers

Sell Easily. **Ice Cream in 3 Minutes.** **Satisfy Perfectly.**



(We have a record of one minute and forty-five seconds, but above allowance is for inexperienced people).

No complicated machinery to get out of order.

Gearing enclosed both top and bottom.

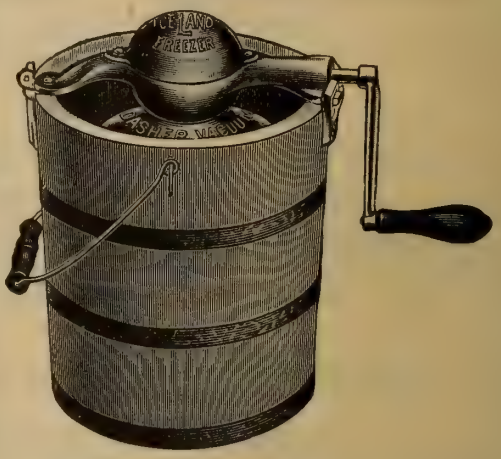
No cogs on can top to catch ice and salt.

Metal parts all coated with pure block tin.

The Freezing Freezer.

W. G. Putman had a big crowd all day yesterday, watching the man making ice cream in two and a half minutes. This was done with the Peerless Iceland Freezer, and the callers at the store were served with the cream during the day. The freezer is substantially built and is the best on the market. Just to show what it could do one batch of cream was frozen in one and three quarter minutes. It is absolutely salt water proof.—*Peoria Herald.*

all and one gus the was linc bas on Ic as a had



DANA & CO., Cincinnati, O., U. S. A.
Department "R."



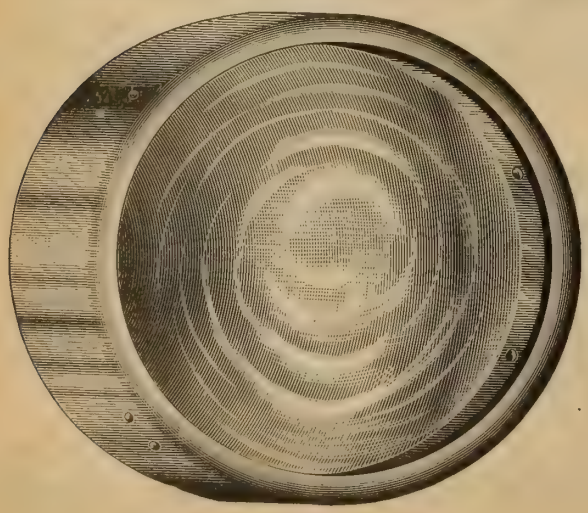
The Peerless Ice Chipper Made from one solid piece of steel heavily coated with tin. Chips ice properly and rapidly. Best tool made for the purpose. Saves time and ice.

Kemp's Broad Hoop, Roll-Rim Milk Can Bottoms

Introduced to the Trade in

1899

and generally pronounced to be the best ever offered.



These **Broad Hoop Roll-Rim Milk Can Trimmings**

have been improved for season of

1900

and will be found to be the strongest and therefore the most serviceable.

Kemp Manufacturing Co.

TORONTO, CANADA.

HARDWARE AND METAL

Vol. XI. MONTREAL AND TORONTO, DECEMBER 30, 1899. No. 52

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JOHN BAYNE MacLEAN,
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WHEN WRITING ADVERTISERS PLEASE MENTION THAT YOU SAW THEIR ADVERTISEMENT IN THIS PAPER

IVORY AND CUTLERY.

IVORY has been gradually advancing in price for about five years. In 1894, hard Egyptian ivory was £9 per cwt. lower than it is to-day, being now £38 per cwt., while large African tusks, which have advanced by £2 and £3 every sale, are now up to £48 per cwt.

Ivory is still, however, much below the inflated prices of 10 years ago.

Two weeks ago HARDWARE AND METAL pointed out that jobbers in Canada had been notified of an advance about 10 per cent. in the price of ivory-handled cutlery. And a copy of Hardwareman, Birmingham, recently to hand, states that in the last three years full-size table knife handles have risen from 14s. 6d. per dozen to 20s. in the best qualities.

"Commoner sorts, which, as the price advanced, became more in request, show a still greater percentage of increase," adds Hardwareman. "The lowest qualities of handle, of which a few years ago there was a glut in the market, are now in great demand, and are fetching fully double what they then realized. * * * In fact, all animal products suitable for the knife-handle trade, such as buffalo, stag and cow horns, have advanced materially in price during the last two years, and show every sign of becoming still more scarce."

SPRING BASIS ON PARIS GREEN.

The spring basis on paris green is to be settled in the course of the next 10 days or so, and the anticipation is for a much higher level than was the case last spring.

Some estimates place the difference at 40 per cent., and it will be interesting to see whether this conclusion is borne out or not.

The excited position of copper this year, as compared with 1898, is the reason attributed for the higher cost of paris green.

When a hardwareman turns over a "new leaf" he ought to either nail or screw it down.

PLATED SPOONS AND FORKS DEARER.

Spoons and forks of tin, Britannia metal, and, in fact, all plated goods, are dearer in England.

According to advices received in Canada, the advances are all the way from 10 to 15 per cent.

MR. WM. McNALLY FOR MAYOR.

THE business men of Montreal have concluded that it is time that the mercantile community of that city was represented in the chief magistrate's chair.

Accordingly, as it is the turn of an Irishman for the honor, a large deputation waited on Mr. Wm. McNally, of Wm. McNally & Co., and urged that he stand for the mayoralty.

Mr. McNally is at present considering the matter, and if he accepts will certainly make a first-class chief magistrate. He is one of the leading Irishman of Montreal, one of its most successful merchants, and that the business vote will plump solid for him if he consents to stand for election is a foregone conclusion.

THE SOUR-FACED MERCHANT.

A sour face may be compatible in a vinegar factory, but in a store nothing scarcely can be more incompatible, for in the store it will drive more customers away in a day than even high prices will in a week.

POCKET CUTLERY ADVANCING.

A couple of weeks ago HARDWARE AND METAL noticed an advance in the price of both ivory-handled and "garret" cutlery of British manufacture.

This week importers in Canada have been advised that prices on pocket cutlery are being advanced from 5 to 10 per cent.

Prices here are certain to be gradually influenced by the advances in the market of production.

THE OUTLOOK FOR A HAPPY NEW YEAR.

HARDWARE AND METAL hopes that its readers will have a happy and prosperous New Year.

One cannot hope for a thing unless there is some expectation that the wish which is back of the hope has some chance of being gratified. HARDWARE AND METAL has some reason for the hope that it has expressed.

The year 1899, which is just about joining the years that have gone before, has been a remarkable one commercially.

No preceding year has been its peer in business activity.

Commercially, Canada has made a stride which has brought her into a prominence among the nations exceeding that which was conceived of when the year that is now dying made its advent.

There has, indeed, been a "growing time" during 1899, both for the nation and for its business men.

We cannot, of course, yet give the figures for the foreign trade of the Dominion for the 12 calendar months of the year, but we can for 11 months, and, compared with the corresponding 11 months of 1898, they are as follows :

	11 months, 1899.	11 months, 1898.
Imports	$152,033,669	$135,600,058
Exports	144,297,565	139,562,340
Totals	$296,331,234	$275,162,398

Here is an increase of $21,168,836, or 7.63 per cent. compared with the corresponding 11 months of 1898.

Turning to the railway earnings of the Canadian companies for the 11 months, we find the same satisfactory condition of affairs, the gross earnings of the Canadian Pacific railway for that period being $26,223,415, against $23,467,859 in 1898, and of the Grand Trunk $23,914,359, against $21,945,100. This is an increase of 13 per cent. in the earnings of the Canadian Pacific, and of 9½ per cent. in those of the Grand Trunk.

Then, there are the bank clearings. They show a decided increase. The same is to be said of the bank-note circulation, while in the list of failures there is a gratifying decrease.

It is evident, therefore, that the past year has been a most prosperous one for the country, and consequently a happy one.

As the outlook is promising for a continuance of the favorable conditions, HARDWARE AND METAL has every reason to hope that 1900 will be a prosperous and happy one for the business men of Canada.

TUG AND TRACE CHAIN DEARER.

Quite an advance is announced in the price of twisted tug and trace chain, and retailers purchasing now will have to pay from 40 to 50 per cent. higher than a year ago.

The price of all kinds of iron and steel chains has been advancing in England lately, and exchanges just to hand report that the United Chainmakers' Association has secured from the employers an advance of 10 per cent. in wages.

ADVANCE IN TROWELS.

Jobbers in Canada have been advised of an advance in the price of American brick trowels and brick corner and pointing trowels. The advance is 5 per cent. all around.

A SPECIES OF BLACKMAIL.

We have frequently referred to the tremendous pressure brought to bear upon retail grocers to donate goods of every description for church or charity fairs, held in their respective towns and cities. Not only that, but they must advertise in programmes, fair papers, etc. In many places the dealers have combined together to resist this importunity, which is a very mild term to use—blackmailing would be a more appropriate word. It is well to bear in mind, also, that wholesalers and manufacturers are deluged with similar requests. We know that Boston merchants have been besieged in this way this fall as never before: in one week one manufacturer received a dozen requests. We believe with the St. Paul Trade Journal, that "these demands have grown to such an extent that the evil will, doubtless, work its own remedy by placing it beyond the financial ability of even the most prosperous jobber to favorably respond to all, and lead to establishing a rule which will have few exceptions."—New England Grocer.

Churches should be supported, but they should be supported legitimately, not illegitimately. This programme advertising is illegitimate. And it is doubly so, because it is advertise or blackmail. The church people do not call it blackmail; but it is blackmail, call by whatever name you like the practice too often followed by those calling on merchants for their advertisements of threatening to deal elsewhere unless space is taken in the programme. But, even if there is not the open threat, the merchant knows, from the fact that those deputed to canvass him are often his own customers, what he may expect in the event of noncompliance.

The churches are not, however, the only sinners in this respect. Fall fair organizations and secret societies are equally guilty of the unpardonable sin.

But is not the remedy, after all, in the hands of the business men themselves?

Every man has planted within him the seeds of success, but, unless he cultivates them, they will not grow and multiply.

NEW LIST ON SANDPAPER.

A NEW list of prices on sandpaper has been issued by the manufacturers. It shows important changes, prices in certain lines being from 50c. to $3 per ream higher. The following tables show the prices on the lines in which Canadian dealers are most interested :

Flint paper (per ream), in sheets 9 x 11 inches :

Nos. 000 to 1½	No. 2	No. 2½	No. 3	No. 3½	No. 4
$5 00	$5 50	$6 00	$6 50	$7 00	$8 00

Extra flint paper (in rolls), per roll 50 yards long :

Width. Nos. 000 to 1½	No. 2	No. 2½	No. 3	No. 3½	No. 4
24 in...	$5 50	$6 00	$6 50	$7 00	$8 00	$9 00
30 in...	8 00	9 00	10 00	11 00	13 00	15 00
36 in...	10 00	11 00	12 00	13 00	15 00	
40 in...	12 00	13 00	14 00	15 00	17 00	
42 in...	13 00	14 00	15 00	16 00	18 00	
48 in...	15 00	17 00	18 00	20 00	23 00	

The discounts are unchanged at 37½ to 40 per cent.

Emery cloth is also dearer, having risen about $2 per ream in price.

Emery cloth (per ream) in sheets from 9 to 11 inches, is quoted as follows :

Nos. FF to 1½.	No. 2.	No. 2½.	No. 3.	No. 3½.	Crocus cloth.
$20	$22	$26	$28	$30	$20

HIGHER PRICES ON "ENTERPRISE" GOODS.

The Customs authorities have lately been compelling importers to pay upon "Enterprise" goods, such as meat cutters and stuffers, a higher valuation than was shown by the invoice.

As a result of this, jobbers have marked their prices up about 10 per cent., which, they state, is equal to the extra valuation which the Customs have put on the face value of the goods as invoiced.

A BUSY FUTURE ANTICIPATED.

IF the attitude manifested at present by importers and hardware jobbers generally is a fair criterion, and it certainly should be, a brisk trade is anticipated during the ensuing season.

The anxiety in regard to the placing of orders for forward supplies is not actuated so much by the fear that prices will advance materially above their current level as the desire to get orders booked, so as to be assured of the requisite volume of stock to meet current requirements during the ensuing season. That traders are warranted in taking these forward precautions is made evident by interviews which HARDWARE AND METAL had with some leading makers and makers' agents this week.

One commission man, who represents leading Sheffield makers, remarked that the disposition shown by importers to book ahead as far as possible was a wise one. His principals were more inclined to discourage than to encourage it, for obvious reasons.

The case of cutlery was about as good an object lesson as could be had of the position makers were in. In the first place, raw material was not only materially advanced in cost, but it was difficult for makers to secure prompt delivery. For instance, ebony had advanced during the past month or so from £6 to £17. Rosewood was also materially higher, and, last but not least, coal, which two or three months ago was costing 6s. 6d., was now worth 10s. 6d. The meaning of all this to makers of cutlery was perfectly clear, and the advance of 10 per cent. which they were now asking was quite justified by the circumstances.

Other makers agreed that what was true of cutlery was equally true of almost every other line. One maker of lanterns, lamps, brassware, etc., remarked that next year, in his opinion, it would simply be a question more of filling orders than a matter of advance in price. For this reason the traders who were farseeing enough to make due provision for future wants would certainly get the business. It would simply be a question of the man who had the goods getting the trade.

The evident desire of importers and jobbers to order ahead in all leading lines is pretty good proof that they recognize the facts of the situation, and are preparing for it to the best of their ability.

A war is on in the United States between the glass trust and the independent makers, and a smashing of prices over there may be expected.

PRICE OF WIRE AND WIRE NAILS.

The question as to the disproportion in prices between plain wire and wire nails is being discussed in the United States as well as in Canada, as is evident from this paragraph taken from Stoves and Hardware Reporter, St. Louis :

"A disproportion in prices is said to exist between plain wire and wire nails, with the difference in favor of the nails," remarks that journal. "That is, the price on nails should be higher if that on plain wire is to maintained, and, as there are no indications of a lower rate for wire, the argument is made that nails should advance. This argument may or may not stand analysis, yet it is known as being considered in manufacturing circles."

MISCELLANEOUS ADVANCES.

Tucker's alarm tills and money drawers are quoted 10 per cent. higher. No. 2 is now quoted at $21 per dozen and No. 1 at $24 per dozen.

English tin-lined glue pots are marked up 15 per cent. English melting ladles have experienced a similar advance.

Rope halters are 10 per cent. dearer.

Maydole hammers have been marked up 10 per cent., owing to the increased cost of raw material.

RISE IN BUILDERS' HARDWARE.

An advance of about 11 per cent. has been made in the United States in the prices of builders' hardware, such as window and door trimmings and related goods. This applies to door locks, knobs and trimmings, in plain and ornamental designs, door bolts, door butts, plain and ornamental, except the common cast and wrought butts, cupboard catches, sash fasteners, store door handles, etc. According to The Iron Age, the manufacturers of these goods are acting together in making this advance.

Importers in Canada are not altogether uninterested in this advance.

MR. GURNEY PRESENTED THE BOWL.

AT the meeting of the Carbon Club in New York, on December 18, Mr. E. C. Gurney, of The Gurney Foundry Co., Limited, Toronto, and The Gurney Heater Manufacturing Co., of Boston, presented President C. V. Kellog, on behalf the club, with a handsome silver punch bowl. In making the presentation, Mr. Gurney said :

I think that all associations of business men tend to allay the natural attrition growing out of the sharp competition of the present day, and no association with which I am familiar has had a more humanizing effect than this Carbon Club. This club is composed largely of young men, full of energy and well qualified by natural endowment as well as business training to create a virile and intense competition grading down in the past sometimes almost to personal antagonism. Being brought together under your presidency and largely through your influence, we have come to the common experience of finding out that men of our trade are full of all wholesome quality as well as of that large endowment of ginger of which I have spoken. I think, sir, that if I were to poll this room, it would develop the fact that there are few exceptions to the general view that, prior to the formation of this club, you were regarded as embodying in your personality, in as great a degree as any, the qualities which we now all deprecate. We have been served by you as president during the first year of the club with such tact and, withal, such equity of aims that we have been drawn closer together, and all closer to you, and I think no one will challenge the statement which I now make that the members of this club have conceived a distinct affection for you, and, as you know that the only practical manifestation of love is a gift, we ask you to accept this casket and its contents as such token of our appreciation of you and your service to the club.

Mr. Kellog, in replying, said : "It would be impossible for me at this time to express to you the feelings I have in accepting this token of your friendship and my appreciation of it. The success of the Carbon Club is not due to any efforts of mine, but is due to the honest, faithful, and loyal cooperation of its members with each other. I never have had the pleasure of being in any club or organization where there has been more loyalty and faithful work on the part of the members than in this club, and I can say that, if this loyalty and friendship continues, the success of the club will be unlimited, and it will be due to you, gentlemen, all of you. I thank you for this token of the friendship of the club, and shall endeavor to merit it in the future, which I feel that I have not done in the past."

SOME IDEAS AND IMPRESSIONS.

Gathered During a Holiday Trip to New York.

(Continued.)

AMONG the things for which I particularly kept my eyes open when in New York was window displays. And I must confess, paradoxical as it seems, that I was both satisfied and dissatisfied. I was dissatisfied as far as the grocery and hardware window displays were concerned, and satisfied with the displays I saw in other branches of trade.

I could not, of course, in a couple of weeks see every store, or even every street, for that matter. But I did a great deal of traveling and a great deal of watching. And if I should have formed a wrong impression in certain particulars I cannot feel that I am to blame.

Judging from what I saw in New York, I do not hesitate to say that the window displays of the retail grocery and hardware stores there are not equal, as a rule, to those in Toronto, Montreal and other Canadian cities that might be mentioned. In the first place, there does not appear to be the same scope for display, so many of the windows being very shallow. This shallowness necessitated the placing of the goods displayed within a few inches of the window pane, which, of course, destroyed the perspective, and, where there is no perspective, it is difficult indeed to make a good display, particularly in such lines as groceries.

But, in window displays of dry goods! There is where New York does excel. Nearly all the art of window dressing seems to have centred in that branch of trade. The retail dry goods merchants and dealers in men's furnishings make displays which are nearly always striking and often unique. I wish I were an artist, that I could reproduce some of these displays, yes, or even a camera fiend, for certain of the displays might be turned to effect by branches of trade other than dry goods or men's furnishings. But, being neither artist nor camera fiend, I can only attempt to describe some of the displays.

There was one store in Broadway which every few days had a window display which invariably brought a number of the hurrying and bustling crowd to a standstill. The window was small and the store rather dark. But there were some people in the store who had bright ideas in regard to window dressing. On the morning after the election passers-by saw in the window the wax figure of a man trundling along in a wheelbarrow two men, all three men being fitted out in suits of clothing as sold by the firm, while a neat and attractive card in the window bore the following :

> PAYING HIS ELECTION BET.
>
> We have won our election bet, and have wheeled here to get a $13.50 suit and overcoat on measure.

Appearing the day after election it was doubly effective.

On several occasions, when passing a certain store on the corner of Broadway and another street, which made a specialty of macintoshes, I noticed a figure in the window enveloped in a lady's macintosh with hood. One night I was curious enough to stop to examine it. The figure was standing on a box, which was in turn placed in the centre of a pond of water four or five feet square, while from a pipe which had been run along the ceiling overhead there came a continuous stream of water which fell upon the head of the figure. By-and-bye my eyes wandered to the face of the figure. The face looked particularly life-like, and I kept gazing upon it. Suddenly, to my astonishment, the eyes moved. Then I realized that I was gazing into the face of a woman, and not a bad-looking woman either. I could not suppress a smile. Neither could the woman.

While dealing with this display I am reminded of another in which a woman was much in evidence. A certain store desired to impress upon the public the utility of a certain shoe-buttoning device. Day after day, therefore, might be seen seated in the window of this store, close to the glass, a comely-looking woman with one neat foot and well-chiseled ankle, as the novelists say, incased in a boot fitted up with this particular fastening device, which she at intervals mechanically fastened and unfastened. Of, course, the display drew.

Another display in which figures were brought into play was that of a highway

> WHEN A MAN IS HELD UP.
>
> It's his own misfortune rather than his fault. But, when a man pays exhorbitant prices for his clothes it is not only his misfortune but his own fault as well.

robbery scene. Two footpads, armed with murderous-looking knives and ancient-looking pistols, were "holding up" a well-dressed man. One robber held a brace of pistols at the man's head while the other, from the rear, was pulling paper money out of his pockets. Standing at the feet of the three men was a placard on which was printed in good sized letters the foregoing card.

Of course, all the effective window displays were not confined to those who called in the aid of figures. I have one such in mind at the moment. It was a window—or rather two windows in one store—which was cased in natural wood, and at night illuminated by electricity. The frontage of each window was possibly ten feet, but, in depth, the window was only about two feet. And, although I saw two or three different displays in each window, each display in each window was invariably limited to one line of goods and very few articles of that one line. But, in the smallness of the number of articles displayed, together with taste in arrangement, was the secret of its striking character. I noticed that there was always a strong contrast of colors in the displays. For instance, one display consisted of three suits of clothes for four or five-year-old boys : The centre one of these was a bright red, while that on either side of it was dark. At night, under the electric light, the effect was decidedly striking.

W.L.E.

TORONTO LEAD AND COLOR CO.

The annual meeting of The Toronto Lead and Color Co. was held at their offices, Leslie street, Toronto, on Saturday last, December 23. The chair was taken by the president, Mr. Samuel Trees, and, in addition to the vice-president, Mr. Shorney, and the secretary, Mr. W. H. Allison, there was a good representation of the directors and shareholders. The report, which was adopted, is an exceedingly favorable one, the turnover showing a remarkable increase over that of the previous year. The old board was reelected, and the officers of the company were warmly congratulated by the shareholders upon the continued growth of the business.

WIRE NAILS
TACKS
WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

FROM A BUYER'S POINT OF VIEW.

NOT unfrequently a representative of a manufacturer will tell me the quantity he has sold of an article to one of the larger hardware companies, says a writer in Iron Age. Sometimes the salesman will take out his order book to prove to me that he made such sale, and he may even produce the original order as made out by the hardware company.

A MISTAKE TO SHOW ORDERS.

To my mind the salesman makes a mistake when he has anything to say to one buyer concerning his dealings with another firm. With me it produces a feeling amounting to little less than disgust. I say to myself, "I am buying according to my own judgment and ideas of what I can safely invest in. I don't wish the other fellow's purchases chucked under my nose as though I needed to be told what goods or quantity I ought to buy. Besides, this deal my visiting salesman made with the other concern should be regarded as a confidential matter and not paraded. I should not wish to have this same salesman show my orders to my competitors."

I am never influenced to purchase one article by a salesman telling me what he has done with other concerns, nor do I believe other buyers are very often.

RUNNING DOWN COMPETITORS' GOODS.

I think that salesmen generally hurt themselves when they disparage their competitors' wares. Of course, it is perfectly legitimate to show the points wherein your own line excels, and you are entirely justified in calling attention to the weak points in your competitor's line, but you should avoid such general statements as "Jones' line is a back number," "Smith's Griffins are N. G. alongside of mine. They are badly made, poorly finished, and are bound to drop out of the market altogether before long. Why don't you sell the best Griffins? I'll sell you my line just as low as you are buying Smith's, and you'll double your business in Griffins." Such talk goes in one ear and comes out of the other without doing any execution, but if the salesman will particularize wherein the new line of Griffins excel, and prove his case, that is quite another matter, and I may not only switch off to the new line, but consider the salesman deserving of my thanks as well.

INTRODUCING NEW GOODS.

As a rule, the wholesale buyer who has had long experience goes slow on taking up a new article that has not been introduced, so that it is in demand by consumer and retailer. Of course, there are numerous exceptions to this statement. An article may be of such evident merit that the buyer will see at once that "it's a good thing to push along" something that is easy to carry a sample of, is not bulky and does not require demonstration, taking time which our travelers connot bestow without neglecting other things. There are some salesmen who seem especially endowed with certain qualities that enable them to introduce new articles readily, but, as a rule, the man who is sent out on this errand of introducing talks too much, repeating himself over and over again, instead of boiling his speech down until only the best and most telling of his arguments are spoken.

A SUCCESSFUL INTRODUCER.

I have in my mind one man who has been the means of my taking up several new lines, not all of which have been successes. I think, however, the introducer believed that even the articles which proved to be failures were all right. Of all the men who call on me, this one is the most quiet and unassuming about his business. I have sometimes wondered whether he had a method in his business dealings that was strictly original, and I believe he has. When you meet him socially he is almost brilliant in his conversation and full of general information. He is a student, a great reader, has traveled the world over, and speaks three foregn languages. At a public dinner he is often called upon to speak, and words flow with no more effort than does the brook down the mountain side; and, unlike many speakers, he not only talks, but has something to say. And yet, when he comes to me with a new article, how little he says! I find myself asking him questions about the new article, and he answers in a few simple words, and before I realize it, it is I who am praising the article, calling his attention to its good points, and my quiet friend receives his order from me as a matter of course. That is his method: he says little, but what few words he utters lead me on to championing his cause, and I awake feeling that I have been led on to sell the article to myself. That introducer is not only a "gentleman and a scholar," but an artist. When he sits at my board and interests us all, from the little children up to my aged father, with conversation, anecdote, and adventures in foreign lands, I ask myself, "Is this the man of few words who did business with me yesterday?"

J. H. Robertson, general merchant, New Richmond, Que., has been burned out.

Chew None Tie, Hung Hein Chin Dan, and Chin Ying have registered partnership under the style of The Kwong Tong Chong Co., general merchants, Ladners, B.C.

A Successful Year

in the paint business is possible with you if you start right. It's just as possible with you as with us, and we have just ended the biggest year in the history of our always successful business.

Next year will be bigger still, and you can grow with us if you will.

THE SHERWIN-WILLIAMS PAINTS

can increase your trade in paint and in all your other lines. Our method of pushing the goods advertises your whole store, and gives you a reputation for good quality and good methods that you could get in no other way. We work with and for our dealers. All our efforts are bent in their direction, and they can depend on our constant assistance.

Send for our booklet, "Do You Sell Paint?"

THE SHERWIN-WILLIAMS CO.
PAINT AND VARNISH MAKERS.

Canadian Division:
21 St Antoine St.,
Montreal.

CLEVELAND. BOSTON.
CHICAGO. TORONTO.
NEW YORK. SAN FRANCISCO.
MONTREAL. KANSAS CITY.

TRADE CHAT.

A DESPATCH from Owen Sound, Ont., states that that place will be headquarters for a new steamship line next summer.

The Greenwood, B.C., Electric Co., Limited, has obtained its charter.

The Stacey Hardware Manufacturing Co., is reopening in business in Toronto.

The Shallow Lake, Ont., Portland Cement Co., has been incorported with $199,000 capital.

Armstrong & Morrison, manufacturers steel pipes, Vancouver, intend building a much larger foundry than they now occupy.

W. H. Martin, bicycle dealer, Woodstock, Ont., has been engaged by Hyslop Bros., Toronto, to cover Western Ontario.

The General Mining Association mines about Sydney, Cape Breton, have been sold to the Graham Fraser Syndicate, for slightly less than $1,500,000. It is said the purchasers intend erecting a steel and iron plant, to which a shipbuilding plant may be added.

The Pratt & Latchworth Co., manufacturers of saddlery hardware, Buffalo, N Y., have decided to establish malleable iron works in Brantford, Ont., where they expect to employ over 100 men. As soon as machinery can be installed in the old G.T.R. works, which the company have leased, operations will be begun.

ADVANCE IN BRITISH SHOVELS.

The statement made in this column last week that the cost of the production of shovels, spades picks, etc., had advanced nearly 60 per cent. in the last six months, was received by some of our readers with surprise, and in some quarters almost with incredulity. The member of the firm upon whose authority the statement was made has furnished us with the following figures, showing how the advance is made up. The following are the three principal items that go to the manufacture of these tools, but there are others :

	Old Price Per ton.	Present Price Per ton.
Shovel plating bars....	£5 15 0	£8 10 0
Shovel plates.....	8 15 0	15 0 0
	£14 10 0	£23 10 0
	Per doz.	Per doz.
Best shovel handles, D pattern	£0 4 3	£0 6 9

These figures work out nearly 60 per cent. advance. The cost of coal and coke has also gone up considerably.—Hardwareman, December 16.

TO THE HARDWARE TRADE.

A number of the trade have been complaining about inferior brassic goods being placed upon the market by some of the wholesale jobbers, they, in some cases, substituting other brands of goods for those of The Gunn Castor Co., Limited, and putting the latter's numbers on them. The cut herewith published bears the trade mark



which is on every package of The Gunn Castor Co.'s goods. The firm guarantee these goods to hold their color and not tarnish, and, from all appearances, they are equal to, and as good as, solid goods. The enormous sale of these goods, along with the many patterns manufactured and the solidity of the same, is a guarantee of how the trade appreciate good goods when they see them.

HARDWARE BOXES AND SHELVING.

J. S. Bennett, 20 Sheridan avenue, Toronto, patentee and manufacturer of Bennett's shelf drawer, is gradually working up a large trade. Among his recent orders is one from John Gardiner, Dundalk, for 592 boxes. Mr. Bennett, it might be mentioned, is also prepared to make shelving, or to supply plans as to how boxes and shelving may be fitted to best advantage.

IVER JOHNSON BICYCLES

NOT CONTROLLED BY THE TRUST

HONEST CYCLES at... HONEST PRICES

A $50 Bicycle Selling for $35.

The 1900 Iver Johnson

While the list prices on our wheels have been reduced, the quality has not been cheapened. Our line is complete, including models listing at **$25, $35, $45, $50 and $60.**

We invite your inspection of all and a comparison with others.

We equal all in quality.
We surpass all in price.

Our $35 Model is $15 under the market.

Send for Catalogue.....

IVER JOHNSON'S ARMS & CYCLE WORKS,

BRANCHES:—
NEW YORK—99 Chambers St.
BOSTON—408 Washington St.
WORCESTER—304 Main St.

FITCHBURG, MASS.

TRENT CANAL

TRENTON AND FRANKFORD DIVISION.

NOTICE TO CONTRACTORS.

SEALED TENDERS addressed to the undersigned, and endorsed "Tenders for Trent Canal," will be received at this Office until noon on Saturday, 30th December, 1899. for the construction of about nine miles of Canal between Trenton and Frankford.

Plans, specifications of the work and forms of Contract can be seen at the office of the Chief Engineer of the Department of Railways and Canals, at Ottawa, or at the Superintending Engineer's Office, Peterboro', where forms of tender can be obtained on and after Thursday, Nov. 30th, 1899.

In the case of firms there must be attached the actual signatures of the full name, the nature of the occupation and place of residence of each member of the same, and, further, an accepted bank cheque for the sum of $25,000 must accompany the tender ; this accepted cheque must be endorsed over to the Minister of Railways and Canals, and will be forfeited if the party tendering declines entering into contract for work at the rates and terms stated in the offer submitted. The accepted cheque thus sent in will be returned to the respective parties whose tenders are not accepted.

The lowest or any tender not necessarily accepted.

By order,
L. K. JONES,
Secretary.

Department of Railways and Canals,
Ottawa, 24th November, 1899.

Newspapers inserting this advertisement without authority from the Department will not be paid for it. (52)

SAVE MONEY
by buying
Gunn's Patent Brassic Goods



Equal to solid brass in every particular. Cost less money—look and wear as well. Sales increasing all the time.

THE GUNN CASTOR CO., Limited
KNOX HENRY,
Canadian Agent, 220½ Board of Trade, MONTREAL.

H. S. HOWLAND, SONS & CO.

Hardware Merchants.

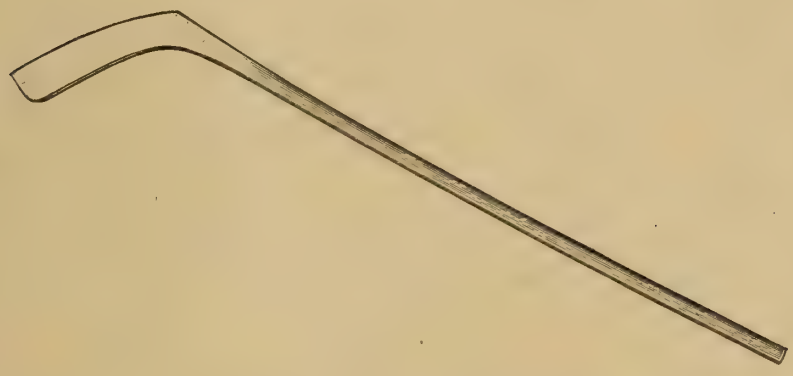
WHOLESALE ONLY

37-39 Front Street West, **Toronto.**

ONLY WHOLESALE

"Mic-Mac" Hockey Sticks.

"Mic-Mac" Natural-Grown Crook Blue Birch.



"Mic-Mac" Natural-Grown Crook Blue Birch.

The "Mic-Mac" Hockey Sticks will stand more rough usage than other Hockey Sticks.

The crook is natural grown and not steam bent.

Buy nothing else if you want the best.

The best players will have them.

AGENTS FOR CANADA

H. S. HOWLAND, SONS & CO., TORONTO.

ORDER AT ONCE.

Graham Wire and Cut Nails are the Best.

OUR PRICES RE RIGHT.

MARKETS AND MARKET NOTES.

QUEBEC MARKETS.

MONTREAL, December 29, 1899.

HARDWARE.

THE week has contributed many interesting features despite the holiday season, and possibly the most striking factor is the prevailing desire of jobbers to order ahead for all kinds of material. This tendency is being illustrated at present in almost every line of material, both in shelf and heavy goods, and is pretty good proof that no material recession from the current level of prices is anticipated. Barbed, plain and galvanized wire, wire nails, fence staples; in fact, almost every line of material, is being more freely ordered for forward delivery just now, than is customary so early in the season.

BARBED WIRE — Orders for spring delivery are numerous and prices are unchanged at $3.60.

SMOOTH STEEL WIRE—The same remarks apply to this line, inquiry being brisk on spring account. The base price remains at $3.45 per 100 lb.

GALVANIZED WIRE — Also active on forward account. We quote as follows: Nos. 6, 7, 8 gauge, $4.25; No. 9, $3.55; No. 10, $4.40; No. 11, $4.45; No. 12, $3.70; No. 13, $3.85; No. 14, $5.00; No. 15, $5.30; No. 16, $5.50.

FINE STEEL WIRE — Discounts remain at 12½ per cent.

BRASS AND COPPER WIRE—Unchanged. Discounts: 50 and 2½ per cent. on brass and 45 and 10 per cent. on copper.

FENCE STAPLES—Inquiry on spring account is active. We quote bright $3.75 and galvanized $4.35.

FINE STAPLES— Discounts are as follows: Coopers' staples, 50 per cent.; poultry netting, 40 per cent., and electrical, etc., 40 per cent. discount off list.

WIRE NAILS—There is a fair movement from stock, and inquiry for forward delivery is more extensive than is usual so early. We quote $3.30 base, with the miscellaneous list 72½ off.

CUT NAILS—There is little doing for prompt shipment, but forward orders are also noted by makers in this line. We quote $2.60 f.o.b. with the customary rebate.

HORSE NAILS—There is a quiet business doing and prices are unchanged. Discounts 50 per cent. on Standard oval, and 50 and 20 on Acadian, f.o.b., Montreal and St. John, N.B.

HORSESHOES—Trade continues fair for these. We quote as follows: Iron shoes, light and medium pattern, No. 2 and larger, $3.70; No. 1 and smaller, $3.95; snow shoes, No. 2 and larger, $3 95; No. 1 and smaller, $4.20; X L steel shoes, new light pattern, No. 2 and larger, $4; No. 1 and smaller, $4 25; feather-weight, all sizes, Nos. 0 to 4, $5.25; and toe weight steel shoes, all forward, all sizes, $6.35 f.o.b. Montreal, St. John, N.B., and Halifax, N.S. Delivered f.o.b. in Toronto, Hamilton, London and Guelph 10c. per 100 lb. extra.

SCREWS—Business continues. Discounts: Flat head, bright, 80 per cent.; round head do., 75; flat head, brass, 75; round head do., 67½.

BOLTS AND NUTS — Quiet, with values steady. Discounts are: Carriage bolts, 5-16 and smaller, 50 per cent.; ⅜ and up,



SUCCESS

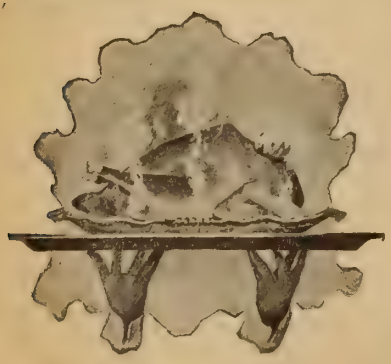
has been yours
in the past
with



McCLARY'S FAMOUS STOVES

WE WISH YOU
CHRISTMAS JOYS

AND MANY
HAPPY NEW YEARS



Secure Them for the Future.



THE McCLARY MFG. CO.

London, Toronto, Montreal,
Winnipeg, Vancouver

What does "workable"

mean in galvanized iron?

Saves time and waste, and

makes a good job.

Apollo Iron and Steel Company
26 St Sulpice Street
Montreal.

Cements { PORTLAND, ROMAN, KEENE'S

Bricks . . { FIRE, BUILDING, PAVING

Sand . . . { SILICA FIRE, MOULDING, BUILDING

F. HYDE & CO.

31 Wellington street, MONTREAL

English Castor Oil

GUARANTEED PURE.

Pharmaceutical, Tasteless, Cold Drawn
First Pressure
Second Pressure

In cases of 2 tins and in barrels. Stocked by all Hardware, Oil and Color men.

The Hull Oil Manufacturing Co.
LIMITED

B. & S.H. THOMPSON & CO.
Agents for Canada - MONTREAL

CANADA IRON FURNACE CO., Limited

Manufacturers of

CHARCOAL PIG IRON

MONTREAL.

BRAND "C.I.F." THREE RIVERS

PLANTS AT

Radnor Forges, Que. — Three Rivers.
Lac a lac Tortue. — Grand Piles.

Geo. E. Drummond,

Managing-Director and Treasurer

50 per cent.; full square bolts, 65 per cent.; machine bolts, 52 per cent.; coach screw bolts, 65 per cent., and sleighshoe bolts, 70 per cent.

NUTS AND WASHERS—No further change to report. We quote: Square nuts, 3½c. per lb. off list, and hexagon 4c. per lb. off list. Washers in 50-lb. boxes 35 per cent.

RIVETS, ETC. — A moderate trade is reported. Discounts are: Black and tinned 45 per cent.; ditto burrs, 40 per cent.; copper rivets and burrs, 35 per cent.

WRINGERS—Business continues much the same in these, with prices unchanged.

CUTLERY—The sorting demand during the past week on city account has been quite brisk.

SPADES AND SHOVELS—Business for forward account is fair, while prices are unchanged.

CORDAGE—Trade is inactive, but prices are firm. We quote: Manila, 14½ to 15c. for 7-16 and up, and 15½ to 16c. for ⅜ up. Sisal, 12 to 12½c. for 7-16 and up, and 13 to 13½c. for ⅜ and up.

FIREBRICKS—Unchanged at $19 to $24 per 1,000, as to brand.

CEMENT—There is little to report. We quote as follows: Belgian, $2.10 to $2.40; English, $2.45 to $2.60; German, $2.60 to $2.80.

METALS.

The only changes in heavy iron and metals have been in copper and lead in London, where prices have ruled rather easier. Tin, on the other hand, has recovered a trifle in London. In New York, there was no change in any line, but, in Pittsburg, steel billets advanced $1.50 per ton in the past six days. On spot, prices have been shaded on tin and copper.

PIG IRON—The market is very firm for pig iron, and sellers are now refusing to book ahead at current prices. Recent business in Scotch pig was on the basis of $27 to $27.50 for No. 1 Summerlee.

BAR IRON — Makers report an active inquiry for forward shipment, but are disposed to curtail business in this respect. Prices are firm at $2.50 in a jobbing way.

BLACK SHEETS—Very firmly held with forward orders quite numerous. We quote: 8 to 15, $3.10; 18 to 20, $2.90; 22 and 24, $2.95; 26, $3.10, and 28, $3.15.

STEEL—Strongly held, with a fair inquiry for spring shipment. We quote: Sleighshoe, $3; tire, $3; spring, $3.60; machinery, $3.75 and toe calk, $3.65.

GALVANIZED IRON—There is a sustained disposition on the part of buyers to book ahead. We quote: No. 28 Queen's Head, $4.75 to $5.00, and No. 26, $4.50 to $4.75; Comet, No. 28, $4.45 to $4.70, and No. 26, $4.15 to $4.45.

Sanderson's Tool Steel.

Self-hardening and other grades always in stock.

"THE MOST RELIABLE TOOL STEEL IN THE MARKET."

A. C. LESLIE & CO.

MONTREAL.



IRON AND BRASS

Pumps

Force, Lift and Cistern Hand and Power.

For all duties. We can supply your wants with —quality the best and prices right. Catalogues and full information for a request.

THE R. McDOUGALL CO., Limited

Manufacturers, Galt, Canada.

ADAM HOPE & CO.

30 JOHN STREET N.

Hamilton, Ont.

GALVANIZED SHEETS
"QUEEN'S HEAD"
"COMET"
"APOLLO B B"
"JUNIATA"

STEEL SHEETS
20 to 28 Gauge

TIN PLATES
CANADA PLATES
SHEET ZINC
RUSSIA IRON

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

INGOT COPPER—The market rules rather easy at 18 to 19c.

INGOT TIN—Prices on this metal have been shaded, Lamb and Flag now offering in jobbing lots at 30c.

LEAD—Unchanged on spot at $4.50.

LEAD PIPE—Steadily held. We quote: 7c. for ordinary and 7½c. for composition waste, with 15 per cent. off.

IRON PIPE—Quiet but firm. We quote: Black pipe, ¼ to ⅜, $3.40; ½, $3.60; ¾, $4; 1, $5.75; 1¼, $7.50; 1½, $9.75, and 2-in., $12.75.

TINPLATES—These continue steady, and for spring importation full prices are asked. We quote: Coke, $4.40, and charcoal, $4.75.

CANADA PLATES — The same remarks apply to these, and buyers show an evident desire to order for spring importation. We quote: 52's, $2.80; 60's, $2.90; 75's, $3; full polished, $3.40; galvanized Canada plates, $4.55 for 52's.

TERNE PLATE—Unchanged but firmly held, at $8.50.

SWEDISH IRON—Quiet and steady, at $3.75.

COIL CHAIN — As last quoted. We quote: No. 6, 12c.; No. 5, 10½c.; No. 4, 10c.; No. 3, 9½c.; ¼-inch, $8; 5-16, $5.65; ⅜, $5.05; 7-16, $4.80; ½, $4.65; 9-16, $4.50; ⅝, $4.45; ¾, $4.40; ⅞ and 1 inch, $4.40.

SHEET ZINC—Cask lots are offered lower at 6½c. this week.

ANTIMONY—Continues steady, at 10¼c.

SPELTER — Prices have been shaded to $5.25.

GLASS.

The window glass market is without new feature. We quote: First break, $2.00; second, $2.10 for 50 feet; first break, 100 feet, $3.80; second, $4.00; third, $4.50; fourth, $4.75; fifth, $5.25; sixth, $5.75, and seventh, $6.25.

PAINTS AND OILS.

This market has ruled quiet, but all the indications point to a good spring trade. Makers of white lead will meet shortly, but no change in price seems to be anticipated. The spring basis on paris green is to be announced shortly, and it is anticipated that it will be considerably higher than that of last year. There has been no change in linseed oil or turpentine. We quote:

WHITE LEAD—Best brands, Government standard, $6.37½; No. 1, $6; No. 2, $5.62½; No. 3, $5.25.

DRY WHITE LEAD—$5.25 in casks; kegs, $6.

RED LEAD—Firm; casks, $4.75; in kegs, $5.

WHITE ZINC PAINT—Pure, dry, 8c.; No. 1, 6½c.; in oil, pure, 9c.; No. 1, 7½c.

PUTTY—We quote: Bulk, $1.65; bladders, in bbls., $1.80; bladders, in cases, $1.95; in tins, $2.05 to $2.30.

LINSEED OIL — Raw, 62c.; boiled, 65c., five to nine-barrels, 1c. less, ten and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—Single barrels, 75c.; two to four barrels, 74c.; five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Firm; $1.10 to $1.30 per gallon.

CASTOR OIL—Firm; 7½ to 8c.

SEAL OIL—37½ to 40c.

COD OIL—32½ to 35c.

NAVAL STORES—Fair demand for all lines, and prices show no change: Resins, $2.75 to $4.50, as to brand; coal tar, $3 to $3.50; cotton waste, 4½ to 5½c. for colored, and 6 to 7½c. for white; oakum, 5½ to 6½c., and cotton oakum, 9 to 11c.

PETROLEUM.

Unchanged, at 18c. for "Acme," and 17c. for "Silver Star."

HIDES.

Unchanged. We quote: No. 1, 10½c.; No. 2, 9½c., and No. 3, 8½c. Lambskins are 85c.

COAL.

Steady, with a good movement. We quote: Stove, $6; chestnut, $6; egg, $5.75; Scotch grate, $6.25; Scotch steam, $4.25 to $4.75; Tower ports steam, $3.75 to $4.

MONTREAL NOTES.

Prices on spelter have been shaded here this week, also on ingot tin.

The spring basis on paris green is to be decided upon in the course of a week or 10 days.

ONTARIO MARKETS.

TORONTO, December 29, 1899.

HARDWARE.

WITH the travelers off the road, and with the holiday season upon us, there has naturally been a lull in trade during the past week. Quite a few letter orders for sorting-up parcels have, however, been received, and, for this time of the year, quite a little business is being done. On account of the travelers being at home there are naturally few if any orders for future delivery being placed. Quite a few changes in prices are to be noted. Pocket cutlery has been advanced 5 to 10 per cent. by the manufacturers in Great Britain; tin and Britannia metal spoons and forks are dearer by about 10 per cent. "Enterprise" goods, including meat cutters, are up 10 per cent. Rope halters, Maydole hammers, Tucker's alarm tills, English melting

OAKEY'S The original and only Genuine Preparation for Cleaning Cutlery. 6d. and 1s. Canisters.
'WELLINGTON' KNIFE POLISH
JOHN OAKEY & SONS, LIMITED
MANUFACTURERS OF
Emery, Black Lead, Emery, Glass and Flint Cloths and Papers, etc.
Wellington Mills, London, England.
Agent:
JOHN FORMAN, 644 Craig Street
MONTREAL

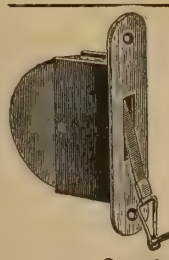

COVERT MFG. CO.
West Troy, N.Y.
DERBY SNAP.
With Plated Rust Proof and Guarded Spring
"THE LATEST AND BEST."
For Sale by all Jobbers at Manufacturers' Prices.

PRIEST'S CLIPPERS

BALL BEARINGS
Largest Variety. Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., U.S.A.

COATES' CLIPPERS

HAND AND POWER, easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel, and will not heat. 1899 catalogue ready.
Coates Clipper Mfg. Co.
WORCESTER, MASS.



Pullman Sash Balance Co.
Makers of the
"Pullman" Hardware Specialties
Main Office and Works,
Rochester, N.Y., U.S.A.
On sale all round the globe.

SITUATION WANTED.

SITUATION BY YOUNG MAN WITH 11 years' experience in hardware. Box 133, Bracebridge, Ont. (52)

BUSINESS WANTED.

HARDWARE—WANTED TO PURCHASE A small stock of general hardware, say $4,000 to $6,000, in some good live town in Ontario. Correspondence confidential. Address A. M., care HARDWARE AND METAL. (52)

FOR SALE.

HARDWARE BUSINESS FOR SALE IN Manitoba; established in 1888; increasing each year. Good furnace, tinsmithing and stove trade. Tinsmith employed all the year round. Apply to M. G. McEwen, Griswold, Man. Box 268.

ladles, are all dearer by the same percentage. Sandpaper and emery cloth, of American manufacture, have experienced a sharp advance. Twisted tug and trace chains, of English manufacture, are from 40 to 50 per cent. dearer. English tin-lined glue pots are 15 per cent higher.

BARBED WIRE—The market is steady and unchanged. There is not much doing. We quote $3.60 Toronto, and $3.25 f. o. b. Cleveland for carlots, and $3.35 for smaller quantities.

SMOOTH STEEL WIRE — The travelers being off the road, the booking of orders for forward delivery has been curtailed. Base price is unchanged at $3.45 per 100 lb.

GALVANIZED WIRE — Quiet and unchanged. We quote as follows: Nos. 6, 7, 8 gauge, $4.25; No. 9, $3.55; No. 10, $4 40; No. 11, $4.45; No. 12, $3.70; No. 13, $3.85; No. 14, $5; No. 15, $5.30; No. 16, $5.50.

WIRE NAILS—The price is still without change, but, as a great many orders have been booked for future delivery, it is evident that dealers have confidence in the market. And, with wire dearer than nails, it is only to be expected that they should have confidence. We still quote $3.22½ in carlots Toronto, and $3.30 in less quantities.

CUT NAILS—Quiet and unchanged. We quote $2.60 per keg f.o.b. Toronto, Hamilton and London.

HORSE NAILS—A moderate trade is being done. We quote as follows: Standard, oval head, discount 50 per cent.; oval top and Acadia countersunk head, 60 per cent.

HORSESHOES—Trade is still fair. We quote f.o.b. Toronto, Hamilton, London and Guelph, as follows: No. 2 and larger, light, medium and heavy iron shoes, $3.80; snow shoes, $4.05; light steel shoes, $4.10; featherweight shoes, all sizes, $5.35. No. 1 and smaller, light, medium and heavy iron shoes, $4.05 per keg; iron snow shoes, $4.30; light steel shoes, $4.35; featherweight steel shoes, all sizes, $5.35.

SCREWS—A fairly steady trade is being maintained at unchanged prices. We quote as follows: Flat head bright, 80 per cent. off the list; round head bright, 75 per cent.; flat head brass, 75 per cent.; round head brass, 67½ per cent.; flat head bronze, 67½ per cent.; round head bronze, 62½ per cent.

BOLTS AND NUTS—Business is moderate. We quote: Norway bolts, full square, 65 per cent.; common carriage bolts, all sizes, 50 per cent.; ditto, full square, 65 per cent.; machine bolts, all sizes, 52½ per cent.; coach screws, 65 per cent.; sleighshoe bolts, 70 per cent.; blank bolts, 52½ per cent.; bolt ends, 62½ per cent.; nuts, square, 3½c. off; nuts, hexagon, 4c. off; tapping nuts, 60 per cent.; tire bolts, 60 and 10 per cent.; stove bolts, 60 and 10 per cent.; plough bolts, 50 per cent.

RIVETS AND BURRS—Business is much as before, namely, moderate. We quote as follows: Carriage section, wagon box, rivets, etc. (steel), 60 per cent. off the list; ditto (Norway iron), 60 per cent.; black M rivets (steel), 55 per cent.; ditto (Norway iron), 45 per cent.; iron burrs, 40 per cent.; copper rivets, 35 per cent.; bifurcated, with box, $1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

WRINGERS — A little business is being done. We quote as follows: "Leader," $60 per doz.; "Royal Canadian," $58; "Royal American," $48. Prices are all f.o.b. Toronto, Hamilton, Brockville, and Montreal. Discount, 45 per cent. Terms, four months, or 3 per cent. 30 days.

CUTLERY—There is naturally very little business being done. Some of the manufacturers of pocket cutlery in England announce an advance of 5 to 10 per cent. in prices. The English manufacturers of both tin and Britannia metal spoons and forks announce an advance of 10 to 15 per cent. in prices.

ROPE HALTERS—Prices have been advanced 10 per cent.

SANDPAPER AND EMERY PAPER — The list on both these lines has been advanced materially, but the discount is unchanged at 37½ to 40 per cent, according to quantity.

HAMMERS—Owing to increased cost of raw material, the price of Maydole hammers has been advanced 10 per cent.

ENTERPRISE CUTTERS — Owing to the Customs insisting on a higher valuation than the wholesalers pay for them, the price to the retailer has been advanced 10 per cent.

TROWELS — Brick trowels and brick corner and pointing trowels, of American manufacture, have been advanced 5 per cent.

STOVES—The colder weather has induced quite a demand for small heating stoves, and an improvement in the other lines is looked for with the maintenance of seasonable weather.

ENAMELED WARE—Trade is now practically at a standstill for the time being, only an occasional order having been received during the past week. Discounts are as follows: White ware, "Princess" ware, "Turquoise" ware, blue and white ware, 50 per cent.; "Famous" ware, "Premier," "Diamond" ware, 50 and 10 per cent.; "Imperial" ware, "Crescent," "Granite" or "Pearl" ware, 50, 10 and 10 per cent.

ROPE—Trade continues quiet and prices unchanged. Quotations are: Sisal, 7-16 inch and larger, 12c. per lb.; ⅜ inch, 12½c.; ¼ to 5-16 inch, 13c.; manila 7-16 inch and larger, 14c. per lb.; ⅜inch, 14½c.; ¼ to 5-16 inch, 15c.

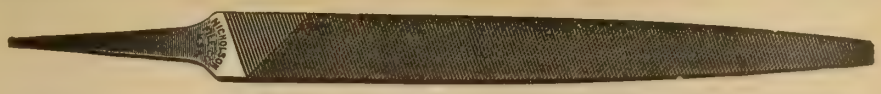
CEMENT—There is little doing. We quote in barrel lots: Canadian Portland, $2.65 to $2.90; Belgian, $3 to $3.10; English do., $3.25; Canadian hydraulic cements, $1 to $1.10; calcined plaster, $1.90; asbestos cement $2.50 per bbl.

METALS.

Tin and copper are both still somewhat unsettled. Other metals are fairly steady.

PIG IRON—Prices are still being maintained, but buyers are, in some instances, hesitating to place further orders, feeling that the advances have reached their limit. We quote: No. 1 Hamilton, $25 per ton at the furnace; No. 1 Tonawanda, $25.40 in

76,800 Daily Production. 5 Factories. 5 Brands. **NICHOLSON FILES** For sale all over the World



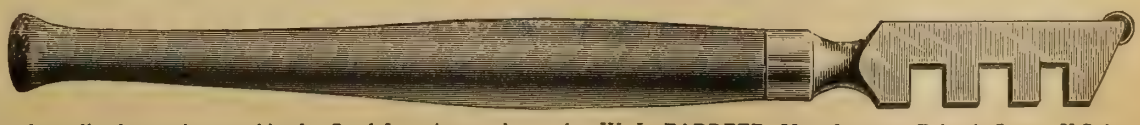
16 Governments. 85% R.R., 70% U.S. Contracts. 70% of Total Production of America.
NICHOLSON FILE CO., PROVIDENCE, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited. Established 1773.

Manufacturers of **Polished, Silvered, Bevelled, Chequered, and Rough Plate Glass.** Also of a durable, highly-polished material called **"MARBLETTE,"** suitable for Advertising Tablets, Signs, Facias, Direction Plates, Clock Faces, Mural Tablets, Tombstones, etc. This is supplied plain, embossed, or with incised gilt letters. **Benders, Embossers, Brilliant Cutters, etc., etc.** Estimates and Designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow 12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glass, St. Helens." Telephone No 68 St Helens.

Barrett's Glass Cutters Standard
Barrett's Practical Glass Cutters are the standard the world over.



Sold by more Hardware Dealers than all other makes combined. Send for prices and sample. W. L. BARRETT, Manufacturer, Bristol, Conn., U.S.A.

bond, Toronto, and No. 2 at $24.40; No. 1 Southern, $24 in bond, Toronto.

BAR IRON—The demand for this keeps good at steady prices. We quote $2.30 in carlots at the mills and $2.40 in smaller quantities; from stock, $2.40 to $2.50.

LEAD PIPE—Business is still just moderate. We quote: Ordinary pipe, 7c., and waste, 7½c. per lb. Discount, 15 per cent.

RANGE BOILERS—Just a moderate trade is being done. We quote: Galvanized, 30 gals., $8.50; 35 gal., $10; 40 gal., $11. Copper, 30 gal., $22; 35 gal., $26; 40 gal., $30; discount off copper boilers, 10 per cent.

SHEET ZINC—Business is quiet. Prices are unchanged, at 8 to 8¼c. per lb.

SPELTER—Still quiet and unchanged at 7 to 7¼c. per lb.

PIG LEAD — There is very little being done, but prices are firmly held both at home and abroad. We quote: 4¾ to 5c. per lb.

GALVANIZED IRON — Business is quiet from stock, and on account of the travelers being all home there is practically nothing being done on import account. We quote: 28 gauge at $5 for English and $4.60 for American, but 28 gauge of the latter is equal to 26 gauge of the former.

BLACK SHEETS —There is a little activity in this line in small lots. We quote 28 gauge steady at $3.35.

CANADA PLATES — Trade is still brisk, quite a few large lots going out. A good many orders placed 10 days ago for shipment early in January are being got ready to be forwarded. We quote: All-dull, $3.25; half-polished, $3.35; all-bright, $3.85.

TINPLATES—A good many orders are on the books for shipment early in the year, but very little new business is to hand this week.

PIG TIN — There is a fair demand for small lots at 33c. Quantities can be obtained at 1c. per lb. less.

COPPER—A good trade has been done in ingot copper during the week, and a fair trade is still to be noted in sheet copper. We quote: Ingot copper, 20 to 21c. per lb., and sheet, 23 to 23½c. per lb.

IRON PIPE — Trade is fair and prices steady. We quote as follows: Black pipe, ¼ to ⅜ inch, $3.60; ½ inch, $3.70; ¾ inch, $4.20; 1 inch, $5.90; 1¼ inch, $7.85; 1½ inch, $9.75; 2 inch, $13; 2½ to 6 inch, discount off the list 45 per cent. Galvanized pipe is quoted as follows: ½ inch, $6.50; ¾ inch, $8; 1 inch, $11.50; 1¼ inch, $16; 1½ inch, $20; 2 inch, $28.50.

SOLDER — Trade is fairly active. We quote: 19½ to 20½c. for half-and-half; 19 to 19½c. for refined, and 18½ to 19c. for wiping.

PAINTS AND OILS.

There is practically nothing doing. The feeling in all lines is steady, without change in prices. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $6.50; No. 1, $6.12½; No. 2, $5.75; No. 3, $5.37½; No. 4, $5; dry white lead in casks, $5.75.

RED LEAD—Genuine, in casks of 560 lb., $5.00; ditto, in kegs of 100 lb., $5.25 to $5.50; No. 1, in casks of 560 lb., $4.75; ditto, kegs of 100 lb., $5.

LITHARGE AND ORANGE MINERAL—Litharge, 6 to 6½c.; orange mineral, 7½ to 8½c.

WHITE ZINC—Genuine, French V.M., in casks, $7 to $7.25; Lehigh, in casks, $6.

PARIS WHITE—90c.

WHITING — 55c. per 100 lb.; Gilders' whiting, 75 to 80c.

GUM SHELLAC—In cases, 20c.; in less than cases, 24c.

PLASTER PARIS — Ordinary, $1.75 per barrel; New Brunswick, $2 to $2.20 per barrel.

PUMICE STONE—Powdered, $2.50 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, $1.10 per gallon; No 1 quality, 90c. per gallon.

SEAL OIL—54c. per gallon, and yellow seal at 45c.

CASTOR OIL—East India, in cases, 8 to 8½c. per lb. and 9 to 9½c. for single tins.

LINSEED OIL — Raw, 1 to 4 barrels, 60c.; boiled, 63c.; 5 to 9 barrels, raw, 59c.; boiled, 62c.; 10 to 15 barrels, raw, 58c.; boiled, 61c.; 16 to 59 barrels, raw, 57c.; boiled, 60c. To outside points, the same price is charged.

TURPENTINE—Single barrels, 73c.; two to four barrels, 72c., freight allowed; in less quantities than barrels, 5c. per gallon extra will be added, and for 5-gallon packages, 50c., and 10-gallon packages, 80c. will be charged.

GLASS.

The usual lull in business is observable. There is no change in prices, which are firm. We quote as follows: Star, first break in 50-foot boxes, $2.15, and in 100-foot boxes, $4; double diamond under 25 united inches, $6, Toronto Hamilton and London; terms 4 months or 3 per cent, 30 days.

OLD MATERIAL.

While the foundries and rolling mills are not seeking for scrap iron and other metals as actively as they were, the demand is still good, and jobbers are still offering last week's figures, with an advance of ¼c. in scrap lead. We quote jobbers' prices as follows: Agricultural scrap, 70c. per cwt.; machinery cast, 70c. per cwt.; stove cast scrap, 45c.; No. 1 wrought scrap, 65c. per 100 lb.; new light scrap copper, 12c. per lb.; bottoms, 10½c.; heavy copper, 14c.; light scrap brass, 7c.; heavy yellow scrap brass, 10c.; heavy red scrap brass, 11c.; scrap lead, 2¾c.; zinc, 3c; scrap rubber, 6c.; good country mixed rags, 65 to 75c.; clean dry bones, 40 to 50c. per 100 lb.

HIDES, SKINS AND WOOL

HIDES — The market keeps strong and active. We quote as follows: Cowhides, No. 1, 9½c.; No. 2, 8½c.; No. 3, 7½c. Steer hides are worth ½c. more. Cured hides are worth 10½c.

SKINS—Sheep and lambskins are 10c. dearer. Otherwise there is no change, though the market is firm. We quote: No. 1 veal, 8-lb. and up, 10c. per lb.; No. 2, 8c.; dekins, from 40 to 45c.; culls, 20 to 25c. Sheep and lambskins are selling at $1 to $1.10.

WOOL — The market keeps firm, but prices are unaltered. We quote: Clothing wool and combing fleece, 20c.; unwashed, 12½ to 13c.

SEEDS.

Alsike is firm at $4.50 to $7, though the top price is only paid for finest samples. Red clover is steady at $4.50 to $5 at outside points for good to choice, with 25c. more for extra choice to fancy lots. Little timothy is offering. Dealers would pay $1 to $1.25 aboard cars outside for good to choice machine-threshed, and $1.50 to $1.75 for bright, unhulled, flail-threshed seed.

COAL.

Cars are more plentiful, but dealers state that they have not yet caught up with orders. We quote for immediate delivery at Buffalo and bridges as follows: Nut, $5 per gross ton, or $4.46 per net ton; egg and stove, $4.75 per gross ton, or $4.24 per net ton; grate, $4.50 per gross ton, or $4.01 per net ton.

PETROLEUM.

American water white is ½c. dearer. Otherwise there is no change. We quote: Pratt's Astral, 20c. in bulk (barrels, $1 extra); American water white, 20c. in barrels; Photogene, 18½c.; Sarnia water white, 18c. in barrels; Sarnia prime white, 16½c. in barrels.

ORIGIN OF "WATERING STOCK."

Henry Clews asserts that Daniel Drew invented the significant term "watering stock." Before coming to the Street to make and lose $13,000,000, Uncle Daniel had been a drover, and fed his cattle an unusual amount of salt in order to create in them an abnormal thirst that would cause them to drink great quantities of water, thus making them appear bigger and fatter when taken to market. After "watering stock" in this way, it was natural that he would make use of a trick or two of his own in disposing of stock of a different kind in Wall street.

FOR 1900!

Better Facilities to Serve Our Patrons

We are about to erect an addition to our factory, and will thus greatly increase our capabilities for prompt shipment of goods.

In the past year our capacity has been greatly taxed in giving the satisfying service to customers that is the essential of our business policy.

But, with added space and increased working power, we can promise prompt attention and gratifying service to all who are interested in reliable, fireproof building materials.

With hearty appreciation of past favors, and sincere hopes that 1900 may prove the "best year yet" to all our friends and patrons, past, present, or future.

METALLIC ROOFING CO.

. . . LIMITED

1179 King Street West, TORONTO.

BUYING A HARDWARE STOCK.

[LYLE MERTON in Hardware.]

I HAD reached that stage in my business career when, a partnership being out of the question with my old firm for whom I had labored in season and out of season for nearly 20 years, having accumulated a small amount of money I felt prepared to engage in the hardware business, provided a good chance presented itself. I had not very long to wait before a man who had carried on a nice retail business for many years, and had made a snug fortune, suddenly died. He left a son who had been brought up in the store and I supposed he would still continue in the business. I had not much faith in the young fellow's ability so I quietly made up my mind that his business career would be short, and then my chance would come and I would buy out the business when he made a failure of it.

Imagine my surprise, however, when I learned one morning that the young man had sold out to another party. Had I dreamed of his intention of selling I would have approached him on the subject.

HERE WAS A CHANCE

which might not come again, and I was caught napping. When speaking of the circumstance to a friend soon after, he informed me that perhaps the person who had bought would sell again, as my friend was informed that he had only bought it on a speculation and that he did not intend to carry on the business.

This information put a new phase on the question, so I resolved to interview the man in question; as I had lost one opportunity by being too backward I thought I would make bold and see what the prospects were any way.

I called on the man in his store and told him I had been informed he wanted to sell out. Yes, he said he would sell, but he was not anxious. His lease had another year to run and he proposed to close it up in that time. He

KNEW HE HAD A GOOD BARGAIN

and was easy about the result; yet, if he got a good offer he would sell.

Here was the chance I had been looking for. Here was a hardware business which had been established for over 20 years in the same store which had made a fortune for its proprietor.

The location was a good one, the rent was moderate, the store was well adapted for the business, and if I could buy on advantageous terms I would be the luckiest man in town. I was shown around the store and carefully looked over the stock.

I asked my man to name his price and I would consider it. As I told him the price would be cash down, I thought to bring him to the point at once. But he refused to name a figure; he would prefer that I should make an offer. I told him I could make no offer, as I could form but a vague idea of the stock by looking over it once or twice. I asked him if he could not tell me how much stock he had. No, he did not know. He had

BOUGHT IT WITHOUT TAKING STOCK.

The former owner had not taken stock since his father's death. If I wished to buy he would consider an offer en bloc, but he would not take stock now as the fall trade was coming on and he was not that anxious to sell to take stock now. Here was a difficulty in the way. I did not like the idea of buying a stock of hardware by guess-work. I fancied I could give a fair estimate of the amount of stock on hand; yet, when I wanted to buy, I did not like the idea of being guided solely by my judgment. Then the question of dead stock was an important consideration.

The probabilities were that in view of the length of time the business had been running, and the manner it had been conducted the past few years that there would be considerable quantities of unsalable goods. I looked over the situation and the stock many times. My man accorded me the fullest opportunity for obtaining all possible information. But he was not in a position to give much. I asked for his price book. He had none, and there never had been one used in the store. The books of the old firm had been carted away. He was unable to tell the amount of former business, or to refer to any of the old invoices. He showed me his sales book and how much business he had done during the three months he had been in possession. From these I learned the following particulars of the business: The sales for the time he had been running it were on an average of $1,500 monthly, of which two-thirds were cash. He had bought of merchandise $2,500. The present expenses would about amount to $2,200 per year.

THE BUSINESS SEEMED BETTER

than I had expected, as I supposed it had run down a good deal the past few years, and I was a little surprised at the figures shown me. This trade was obtained without pushing by the present owner, as he had not advertised, not even changing the sign, but came as a matter of course and was entirely owing to the good-will of the business. With this showing I was satisfied, and knew that if I bought I could easily increase the sales very materially.

I figured that turning over the stock three and a half times a year, a gross profit of 20 per cent. on sales could easily be counted on. The sales being $18,000, the gross profit ought to be $3,600, which, after paying expenses of $2,200, would leave $1,400 as my share for salary and interest on capital. I considered that, taking things as they appeared, that there should be about $5,000 worth of stock upon the shelves. Yet, in looking it over carefully, I was convinced that this was a high estimate. Yet, in consideration of my

EAGERNESS TO SECURE A BUSINESS

of my own, and knowing that the chances of working up a profitable trade were good, and the value of an old established business, I mentally resolved that I would give $5,000 for the business as it stood, the proprietor to pay all outstanding bills and collect the open accounts. I was earning a salary of $1,000 a year and wanted to do as well the first year. I had $2,500 in cash, and could easily borrow the balance from a relative. If I could secure the business on these terms I would be making a good trade. I took a friend of mine, who was well acquainted with stocks, and who had been connected with hardware for many years longer than I, to look it over. His estimate of the value was about the same as mine, so I considered I was not far astray.

I referred the subject to my employer. He was much surprised when I unfolded my scheme, would be very sorry to lose my services, yet, if the chance was a good one, he would not stand in my way.

He thought there was a good opening provided I bought the stock right. On this point he urged me to go cautiously, as he said it was like buying a cat in a bag to buy a business en bloc, and that I might make a great mistake.

I took his advice, and resolved I had made a safe estimate, and again interviewed the merchant.

I URGED HIM AGAIN TO NAME HIS PRICE,

but he would not. Then I asked him to name an advance on his bargain. This he would not do. At last, seeing he would do nothing, I told him I would make an offer as I meant business and I wanted the store, but as I was entirely at sea in regard to the value of the stock I might offer too low. Well, he did not care, I might come up in my figures.

Well, I would give him $4,000 cash. A look of supreme disgust came across his face at this.

"What!" he said, "$4,000 for this business? Young man, if that's all the

idea you have of hardware, it's of no use of me wasting any more time."

I then apologized if I had made a mistake, but I did what I thought about right, but how much would he take?

"I will take $6,500 and not a cent less."

I told him I would consider his offer and let him know in a week. I thought perhaps I had made a mistake in my estimate of the stock and began to think it over. The store consisted of three flats and a basement with only one window for display.

THE MAIN STOCK OF HARDWARE

was on the first floor, with heavy goods in the basement. The second and third floors contained woodenware, a few fancy goods which had been in the store for years, and odds and ends of surplus stock from below.

Taking his figures, the sales were far too low in proportion to stock, and I could not see much profit in it. Moreover, I knew that $6,500 would buy a large amount of well-assorted hardware, and I considered the price far too high, so I told him our negotiations would be at an end. Yet I think the man was honest, and was anxious to sell at a small advance on his purchase price. But I think he had been deceived himself in buying. He had paid too much for the stock, and I felt confident that he would find quite a loss when he wound up the business.

How he eventually made out I never learned, but the more I canvassed the question in my own mind the more I was satisfied I did right. My eagerness and enthusiasm to engage in business was so great that I was in danger of erring on the amount of stock, as my better judgment since tells me that $4,000 would be a big price and would have been too high a figure.

I did not engage in business on my own account at that time nor since; but if I were to do so I would prefer buying my own stock; and, if I thought the location suitable, would not hesitate to make the venture. My estimate of needed capital to make the venture successful and give a man a salary of $1,000 would be $4,000. Of this I would put $3,000 in stock and reserve $1,000 for working capital and store fixtures. I would divide the money something like this:

Heavy goods, nails, glass, paint, etc	$1,000
Tinware and housefurnishing goods	500
Cutlery and plated-ware	300
Shelf hardware, carpenters' tools, etc	1,200
Total	$3,000

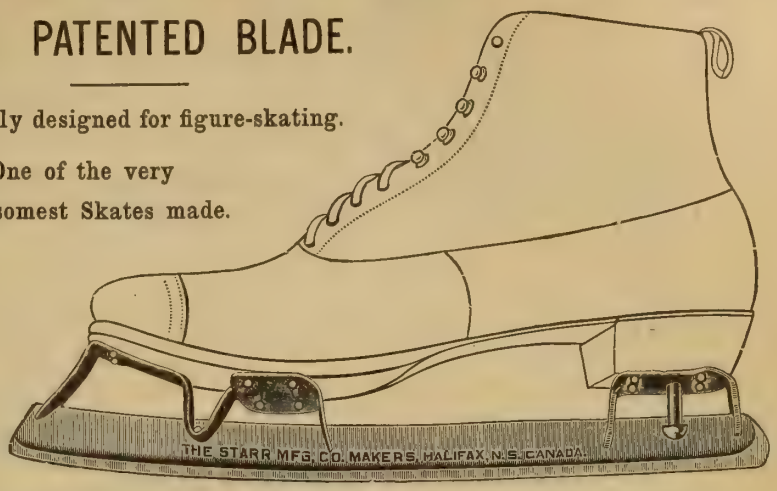
I would calculate to turn over this stock at least four times a year, making the sales $12,000, which should yield a gross profit of 25 per cent., or $3,000. The expenses would be about $1,500, leaving $1,500 for proprietor, of which $1,000 would be his living expenses and leave $500 for profit on the investment. To achieve these results a man would need to understand his business thoroughly, and would need to give it close personal attention in every detail. Yet, I think it could be done.

The Achieved Skeleton

WITH PATENTED BLADE.

Specially designed for figure-skating.

One of the very handsomest Skates made.



THE STARR MANUFACTURING CO., Limited,

SOLE MAKERS, HALIFAX, CANADA.

CANADIAN PRODUCTS WANTED.

THE following were among the inquiries relating to Canadian trade received at the Canadian Government office in London during the week ending December 8.

1. Inquiry is made for the names of a few large Canadian provision firms who are doing a direct trade with the Cape.

2. A firm of produce importers are desirous of being placed in communication with a few reliable shippers of Canadian produce who may wish to open up a fresh connection in the east of Scotland.

3 The name of a firm who would take up, or assist in the development of the sale in Canada of steel rope suspension bridges (50 to 300 ft. span) is desired by the manufacturer.

4. As the result of the interest shown by the English press in the experimental shipments of grapes from Canada, a firm of general commission agents in Bristol ask to be placed in communication with interested parties for whom they could act in that city.

5. Inquiry has been received for the names of Canadian butter producers anxious to place their goods on the British market.

The names of the firms desiring the above information can be forwarded by HARDWARE AND METAL.

A $10,000,000 IRON PLANT.

The Courier, of Buffalo, says that Eastern and Western capitalists have purchased for $700,000 Squaw Island, situated on the Niagara river just below Buffalo. The island contains 175 acres of land, and on it the purchasers propose establishing immense blast furnaces and malleable steel works, in addition to extensive warehouses, to serve as a distributing station for Minneapolis flour to Eastern points and for export. Several large docks are to be built.

The work is to cost in the neighborhood of $10,000,000. New York and Philadelphia money men are said to be the principal backers of the project.

PARTNER WANTED.

A PRACTICAL PARTNER WITH FROM $3,000 to $4,000, to take half interest in good Hardware Business in town in Manitoba. Address S. H. W., care HARDWARE AND METAL, Toronto. (2)

ADVERTISING in WESTERN CANADA will be Carefully, Efficiently, and Promptly attended to by

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WINNIPEG, CANADA.

Buy the Best.



HERCULES

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Star Brand Cotton Rope
Star Brand Cotton Clothes Lines
Star Brand Cotton Twine

For Sale by all Wholesale Dealers

John Bowman Hardware & Coal Co.

LONDON, ONT.

Our Fall stock is now complete and we can supply at the best figures, **AXES, SAWS, LANTERNS, CORDAGE, CHAIN, WINDOW GLASS, PAINTS, OILS,** etc. Our importation of **CUTLERY, SKATES, ENGLISH GUNS, SHOT SHELLS, BLACK and SMOKELESS POWDER, SHOT, WADDING,** etc., now in.

Our Motto: Prompt Shipment, Right Prices.

THE TIN SITUATION.

THE tin situation is summed up by W. I. Russell & Co.'s circular: "The premium on spot tin, which, after reaching a maximum of 2c. per lb., is now diminishing under the influence of liberal shipments from London by fast steamers. There will, of course, be some premium for a week or ten days longer, but each arrival will tend to reduce it until the natural level of spot tin is again reached. Meanwhile, buyers generally will defer until the last moment their purchases, and when forced to enter the market will take only such quantities as are absolutely necessary to cover their immediate requirements. This course of action will make the demand for the next week or two exceedingly limited, and it is probable that by the middle of January our spot stocks will show an increase.

"The opinion prevails in certain quarters that inasmuch as British reverses in South Africa have, as they occurred, been promptly followed by a decline in the London market, the immediate effect of a success would be a rapid recovery. This is no doubt true, but the permanence of such a recovery depends almost entirely on the extent to which American consumers would respond to the upward movement. At present, the whole country is practically bare of stocks, and, though it is true a few buyers have purchased a little tin for delivery in January and February, the quantity is unimportant. If, at the first sign of an advance in London, there should be on this side a rush of consumers to replenish stocks, values would rise rapidly as the buyers would put the market up on themselves; if, on the other hand, there is a continuance of the hand to-mouth policy which has been pursued since the London market broke below £130, the upward movement would soon die from lack of American support. The unsettled financial conditions, the season of the year, and, above all, the widespread belief amongst consumers that, regardless of temporary fluctuations, the course of the tin market is tending towards a still lower level, leads us to believe that any upward movement in the London market in the near future would meet with but faint response on this side."

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

ONESIME WINTER, general merchant, L'Orignal, Ont., has assigned in trust to A. Constantineau, L'Orignal, and a meeting of creditors has been called.

Louis Morel, general merchant, Beaupre, Que., is offering 50c. on the dollar.

G. R. Fraser & Co., general merchants. Springhill, N.S., are offering 33⅓c. on the dollar.

John Hyde has been appointed curator of Paul McNally, general merchant, Campbell's Bay, Que.

Kent & Turcotte have been appointed curators of Joseph Brault, general merchant, Laprairie, Que.

A meeting of the creditors of Edward Howe, harness dealer, Listowel, Ont., will be held on December 30.

V. E. Paradis has been appointed curator of L. O. Couture, general merchant, St. Gedeon (Chicoutimi), Que.

PARTNERSHIPS FORMED AND DISSOLVED.

E. C. Bower & Co., general merchants and fish dealers, Westport, N.S., have dissolved.

J. Wm. Rathbone and Jules Gosselin have registered as partners under the style of Rathbone, Gosselin & Co., general agents, Montreal.

Haim and Alex. Sclachter have registered partnership under the style of N. Sclachter & Bro., general merchants, St. Boniface, Man.

Fleischhauer & Pfeffer, who have conducted a lumber and coal business in Tavistock, Ont., for many years past, have dissolved partnership, Mr. Fleischhauer retiring.

John Millen & Sons, hardware and paint dealers, Montreal, have dissolved, and new partnership has been registered.

Balquier & Jones, general merchants, Wyoming, Ont., have dissolved, and have been succeeded by Jones & Anderson.

SALES MADE AND PENDING.

The stock of G. Moltpetit, sash and door manufacturer, Coteau Station, Que., has been sold.

The stock, etc., of the estate of L. J. Corbett, general merchant, Dauphin, Man., has been so'd at 80c. on the dollar to Ramsay & Philip.

CHANGES.

D. W. Elsley, general merchant, Kingsmills, Ont., has sold out to George Dean.

A. Wilson, general merchant, Oil Springs, Ont., has sold his bakery to Russell Bros.,

Joseph Akitt, hardware dealer, etc., Horning's Mills, Ont., has sold out to E. Rutledge.

DesBiens, Levesque & Co., general merchants, St. Jerome, Que., are applying for incorporation.

DEATHS.

John Albon, painter, etc., St. Catharines, Ont., is dead.

TO MEND RUBBER SHOES.

Rub the patch to be applied and the overshoe very thoroughly with sharp sandpaper, then smear both with rubber cement five times, letting them dry each time. Smear both the sixth time, and, before they dry, apply the patch, using prolonged pressure, if possible. If rubber cement is not obtainable, dissolve small pieces of pure rubber (not that which is vulcanized) in warm spirits of turpentine until it is of the consistency of syrup.

McCaskill, Dougall & Co
Tins, Varnish & Japan
Manufacturers.
Montreal
Price List on application

BUSINESS NEWS

of any kind that is of value to business men supplied by our Bureau. We can give you market quotations from any town in Canada, reports from the city markets, stock quotations, etc. You can get commercial news from any Canadian paper through us.

Write us, giving us particulars of what you want and where you want it from, and we will quote you prices by return.

"Clippings from any Canadian paper on any subject."

CANADIAN PRESS CLIPPING BUREAU,

505 Board of Trade Bldg., MONTREAL, QUE.
Telephone Main 1255.
26 Front St. West, Toronto. Telephone 2148.

The Best is None too Good.

Syracuse Babbitt beats them all.

The largest machinery builders in Canada and United States use our Babbitt Metal.

Is this not sufficient proof of its superiority over other anti-friction metals.

If the largest users are satisfied with our Babbitt Metals, why should it not suit you?

We can furnish you with numbers of testimonials.

Importers and Dealers in
PIG TIN
ANTIMONY
INGOT COPPER
ALUMINUM
NICKEL
BISMUTH
IRON AND STEEL SCRAP

Manufacturers of
BABBITT METALS
SOLDER
TYPE METALS
COLUMBIA PHOSPHOR TIN
and ALL WHITE METALS.

Syracuse Smelting Works, William Street, MONTREAL

Hardwood CHARCOAL in Bulk or Sacks.
WOOD ALCOHOL equalling Methylated Spirits as a solvent.

Manufactured only by...
THE STANDARD CHEMICAL CO., Limited
Factories { Fenelon Falls. Deseronto.
Gooderham Building, TORONTO

Steel Hoops

From stock or for import.

Enquiries solicited.

M. & L. Samuel, Benjamin & Co.

English House:
Samuel, Sons & Benjamin
154 Fenchurch Street, London, E.C.

30 Front St West TORONTO.

THE THOS. DAVIDSON MFG. CO., ANNUAL DINNER.

'Tis merry, merry, merry, merry journeymen we are,
All in the tink'ring line, sirs,
We tramp, tramp, tramp the roadways near and far,
When the weather it be fine, sirs!
And if so be some churlish lout
Should make us surly answers,
We straightway drawn his utterance out
By tapping, tapping, tapping on our pan, sirs.
So we rap, rap, rap, and we tap, tap, tap,
From the dawn to the dark of night, sirs,
We are men of mettle, and the can or kettle
Doesn't live that we can't right, sirs.
Tink tank, clink clank, tink a tank a tink tank,
Hear our hammers ring,
When trade is brisk, we frolic and we frisk
As happy and gay as a king.
—Tinkers' chorus, Robin Hood Opera.

WHAT is humorously known as the "annual kicking party" of the travelers of The Thos. Davidson Mfg. Co., Limited, Montreal, was pleasantly and successfully concluded by the annual dinner on the evening of December 22.

After the menu had been attended to with that zeal which keen appetites warrant, the president, Mr. James Davidson, arose, and, in proposing the toast of "The Queen," remarked that these were days when it meant something to be a British subject, and he was pleased that Canada was not British in words only, but in deeds; also that, notwithstanding some few yellow journals, he felt that the hearts of both French and English Canadians were with Britain in the present struggle in South Africa. He also drew attention to the evidently marked appreciation the Queen had shown for the tin business, from the fact that her present to the soldiers in South Africa was put up in beautifully-lithographed tin boxes, made by three different firms, and which he presumed were delivered on time. (Laughter and applause.)

Mr. T. Chas. Davidson, vice-president, in toasting "Our Guests," spoke feelingly of the pleasant relations that existed between employer and employe, and gathered that such reunions were productive of great good in overcoming the misunderstandings and friction that occurred from time to time, and greatly aided in perfecting method and organization, so essential to the wellbeing of such an institution.

Mr. Taylor Webb, Western Ontario, responding, spoke of the pleasant recollections of former occasions of the kind which tended to augment the pleasure of the present gathering. He reminded his hearers that last year the extent of trade from coast to coast had been dwelt upon. This year, which had been a banner year to all, found greater strides being made, and visitors to the Paris Exhibition would see extensively exhibited the manufactures of The Thos. Davidson Manufacturing Co., and that they were now ready and able to compete with the world. (Applause.)



Flashlight Picture of the Annual Banquet of The Thos. Davidson Mfg. Co., Limited.

Replying to Mr. Lachapelle's toast "Canada," Mr. W. Duchesne, one of the foremen, amidst ringing cheers and expressions of approval, reviewed the history of the French-Canadians since 1763, when their forefathers, with some uneasiness, came under British rule, but subsequently found that they enjoyed the same freedom as their English neighbors, and, with all the natural facilities for progress, they had kept pace with the times. Speaking of the Transvaal, he said Britain would find her French sons ready to defend her Empire in Africa, or anywhere where duty called, and he felt assured that Canada's history would repeat itself in South Africa, in securing perfect freedom and equal rights to all.

Mr. E. Goodwill, responding to Mr. H. B. Chadburn's (New Brunswick) toast, "The Directors," happily expressed the management's appreciation of the kindly tendered good wishes, while he, personally, thanked his fellow workers for the cabinet of silver he had received on the occasion of his recent marriage, and, while its intrinsic worth was highly esteemed, its value was only superseded by the spirit that prompted the gift.

The "hit" of the evening was the "Tinkers' Chorus," a verse of which is given above, by the Crescent Quartette, composed of Messrs. Burrat, Webb, Watt and Coursolle, in full apron regalia, tools, etc. It was effectively rendered, and was received with the greatest enthusiasm and loudly encored.

Mr. Joe Coursolle (Gaspe Coast and New Brunswick), was as usual a favorite, and his deep rich bass, did full justice in rendering his French song "Le Credodu Paysau," giving intense pleasure to his hearers.

Mr. Fred Demarais, representative of Montreal city, elicited many plaudits by his witty remarks as well as his logically demonstrated, "Great Firm, but Greater Travelers," and his fellow wanderers were interested listeners to his peroration.

As usual, the programme lithographed on tin was a work of art, excelling all previous attempts, and reflects credit on the designer, Mr. Chalmers, of the lithographing department, whose excellent cartoons illustrating the different phases of the "Tinkers' Chorus" were exceedingly funny as well as to the point.

The opposite side from cartoons had the words and music of the chorus, while within was menu card and programme. The idea of using the chorus was the thought of Mrs. T. Chas. Davidson, and its enlargement tended greatly to the evening's success.

Many other speeches and songs were rendered with pleasing effect, and in the wee hours of the morning the gathering dispersed with "Auld Lang Syne" enthusiastically sung, and employer and employe left, feeling that the events of the day and evening had all tended to draw the cords of kindliness closer as well as more strongly entrench the purposes of all to further the interests of the firm of which one and all formed a part, and the firm's welfare would be that of each individual. S. McK.

READY FOR THE BRUSH

THE CANADA PAINT COMPANY LIMITED



beg to state they are now manufacturing the following shades of Liquid Paint, **ready to be applied,** and can ship immediately all orders from an express parcel to a carload. Convenient packages—half-pints, pints, quarts, half-gallons, gallons, 5-gal. buckets, and barrels :

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Cardinal
Ceiling Blue
Citrene
Cream Tint
Dark Slate
Deep Blue
Dark Grey
Electric Blue
Emerald Green
Farmers' Red
French Grey
Flesh
French Green
Grey Stone
Green Stone
Golden Brown
Inside White
Iona Grey
Italian Red
Ivory
King's Yellow
Light Lilac
Light Vellum
Light Chocolate
Light Straw
Light Stone Grey
Light Blue
Lilac
Lavender
Light Stone
Lemon
Light Slate
Luton Drab
Medium Stone
Olive
Outside White
Orange
Pure Grey
Pure Blue
Pea Green
Pearl Grey
Parrot Green
Pompeiian Red
Pearl Drab
Perth Grey
Raven Black
Russett
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CANADA. LIMITED

SOME OF THE REQUIREMENTS OF A SUCCESSFUL SALESMAN.

TO my mind there are five requirements which the successful salesman must possess, writes W. H. Fuller, in Michigan Tradesman.

1. Thorough knowledge of the article to be sold.

2. Discretion or judgment.

3. Application and adaptability.

4. Fair treatment in all things and to all people.

5. Confidence between the house and the salesman.

Under these headings I would discuss the subject as follows :

1. A thorough knowledge of the article sold requires that the salesman should know what the article should do to fulfil its duties to aid or benefit mankind ; he should be able to tell its origin or of what it is composed, or how it is constructed, in a clear and intelligent manner.

2. Discretion or judgment enables him to compare with those of his competitors the articles he has for sale, and show their superior points of merit. He should be able to judge whether a merchant could use his wares to advantage, and also decide if the merchant whom he hopes to sell would be of an advantage or benefit to his goods ; for it is a fact that men whom we say are "wideawake" or "hustlers" will take an article of little or no merit and make a success of it, while others without energy or push will make no progress with an article of decided merit, but, in many cases, a failure of it.

3. By application and adaptability is meant that the salesman should apply his efforts steadily, daily and hourly. In no walk of life is the man successful who works part of the time and loiters the remainder, or who works one day and neglects his business the next.

Then, also, he must adapt himself to circumstances and conditions. Sometimes he finds the merchant has given a competitor an order, and, therefore, needs nothing in his line at that time. Then a salesman gets angry and tries to make the merchant "sorry of his bargain" by traducing his competitor or his house, or by quoting him prices as baits that are below market price or value, and such as his house would not authorize or accept ; this is bad practice and bad policy. When such an emergency arises he should make the best of the situation gracefully and hope for better results next time.

4. Fair treatment in all things and to all people implies that a salesman should fairly and honestly represent his line and his house at all times and in all places. Too many men fail to realize, from their appearance or actions, what value or reliance the merchant or public places in them or their houses. If a man is found untruthful, deceitful, negligent or careless in business, people are very apt to say, "Well, that house is not reliable, or they would not employ such a man."

A salesman should not promise a merchant an extra price, extra terms, or an inducement of any kind, no matter how small, without intending to fulfil it. If a merchant, friend or brother traveler is promised anything, the agreement should be carried out to the letter ; or, if any change is made, it should exceed, but in no case prove less than was promised.

A salesman should be honest with himself and his house. I remember meeting a new man, a competitor of mine, particularly. He was selling goods manufactured in a town in Iowa. It was his second season out, and he was a successful salesman, and his house exceedingly prosperous, because, where he had sold the merchant an article the previous year, he was this year selling him two, three, or even ten of the articles. From this point of view he was a success, but from other points he was a failure. First, because he was selling an article, claimed to be equalled by none, at a cut price. Second, when he was selling these merchants two, three and ten times as many goods as the previous year, he was only selling them from 25 to 50 per cent. of the goods they needed of like kinds to supply their trade. Third, his factory made eight different kinds of machines, and this self-supposed successful man was only selling two, or not to exceed three, of the kinds of goods manufactured by his house. A man who is a success as a salesman for a house must sell all of the different goods handled by that house, and must be able to supply the merchant with all, or the larger per cent. of them needed in his trade.

5. Confidence between the house and salesman. A house should employ no man whom they cannot trust and feel that he is working for them as well when he is out of sight (so to speak) as if he was in sight all of the time in their office. Also, a traveler should never be out of sight of his house, or, in other words, the house should know where he is each day. He should communicate with the house often and freely, and, if to secure an order it becomes necessary to exceed instructions from the house, they should be told all of the reasons ; and the house should grant them, if there is any profit in the order, for often small orders taken under adverse circumstances lead to good and profitable trade.

Then, the salesman who looks after the small order with care and attention, as well as the large one, is generally the man who, at the end of the year, will foot up his sales in large numbers, and will also find a goodly per cent. of profit in his work—both for himself and the house.

Along this line of thought might also be placed the individuality of the house, the credit man and the salesman. Oftentimes you will find a salesman who thinks that he, and he alone, is responsible for big trade and good results. Then the credit man throws himself a bouquet, and says it is all his work that has made the house a success. And then sometimes the house or manager says : "We sell the goods, and we can send any salesman out and get our usual business." Success depends on the confidence each one has in the other, and all should work together as though members of one family and put the earnings in the large "jack pot," and in the end all are justly proud and can say : "We are successful, and each tried to do his share."

HE WAS A COLLEGE GRADUATE.

"So you want a job ?" inquired the manager of the great mercantile establishment. "Ever had any experience in this business ?"

"Well, no, not exactly," the young man replied ; "you see, I have just got through college."

"Oh ! Did you play football ?"

"Yes, I was centre rush in our 'varsity team last year."

"Good ? And did you take any other part in athletics ?"

"I hold a medal as a shot-putter."

"I suppose you were in all the cane-rushings and hat-smashings, too ?"

"Yes, sir ; I was the best hat-smasher in my class."

"All right. John, give this young man work out in the wareroom. He'll be good at handling heavy boxes and barrels and such things. A college graduate, you know."

ADVICE TO YOUNG MEN.

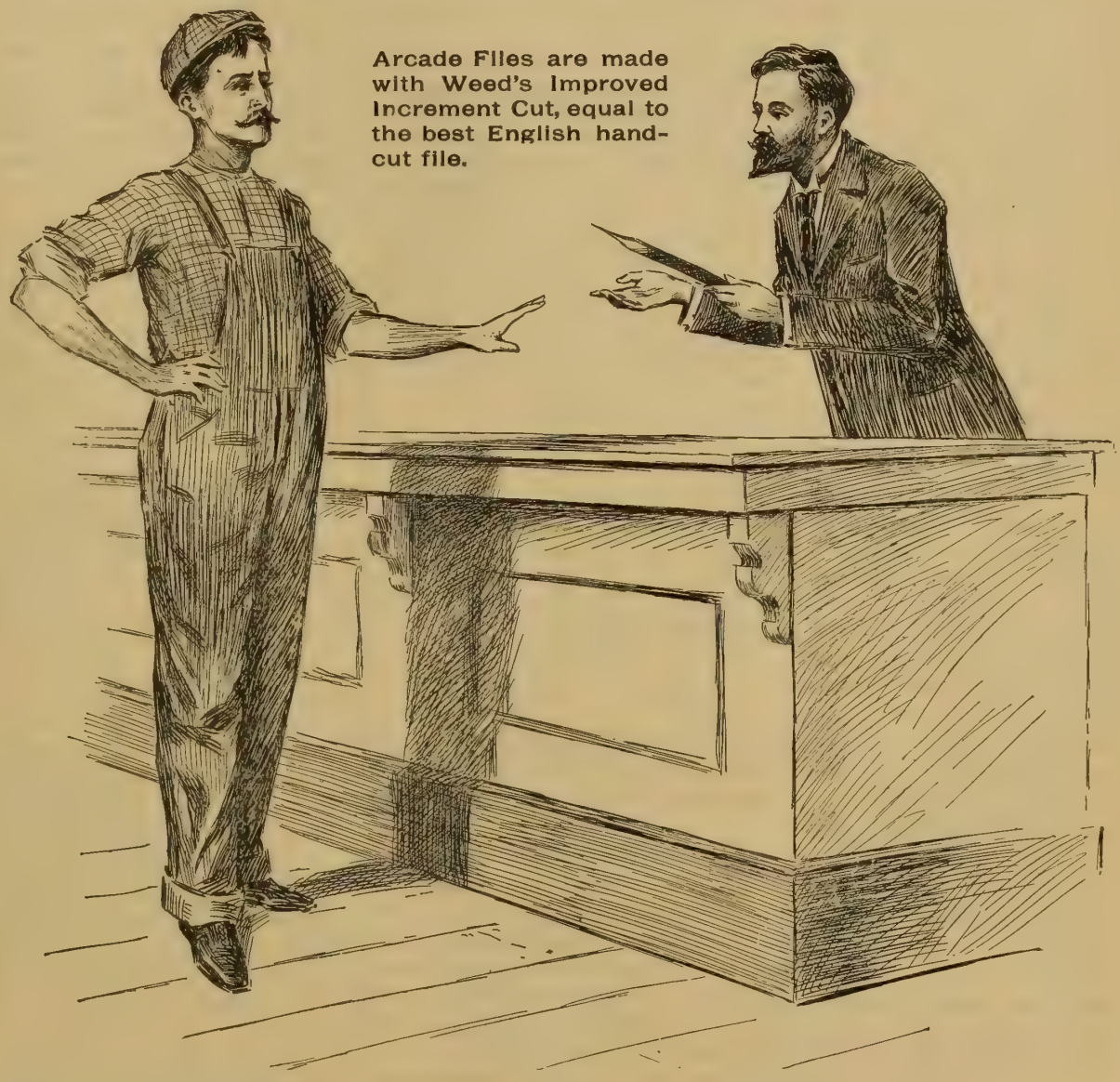
"Never affect to be other than what you are, either richer or wiser. Never be ashamed to say, 'I do not know.' Never be ashamed to say, whether applied to time or money, 'I cannot afford it ; I can not afford to waste an hour in the idleness to which you invite me. I cannot afford the guinea you ask me to throw away.'"—Bulwer Lytton.

The WORLD'S GREATEST FILE WORKS

ESTABLISHED 1842.

There is no other file "just as good."

THE ARCADE IS THE BEST



Arcade Files are made with Weed's Improved Increment Cut, equal to the best English hand-cut file.

"I want an ARCADE file."
"We are all out of ARCADE files. Try this; it is just as good."
"No, Sir. I want the ARCADE. It cuts faster and wears longer than any other file made."

THE ARCADE FILE WORKS

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CHICAGO:
118 Lake Street.
ALFRED WEED,
Vice-President and Gen'l Mgr.

HEATING AND PLUMBING

PLUMBING AND HEATING NOTES.

POWERS & SON, architects, Kingston, are asking for tenders for alterations necessary to convert the Brown carriage factory, of that place, into a laundry.

The McLaughlin Carriage Co., Oshawa, Ont., are erecting a three-storey 800 x 50 ft. factory in that town, to replace that destroyed by fire. It will be fitted with new and modern machinery. Building operations have already begun.

James Douglas, contractor, Westmount, Que., has assigned.

Hormidas Lewis has registered as proprietor of J. E. Lewis & Cie., plumbers, Montreal.

W. Desrosiers, builder, Three Rivers, Que., has assigned.

Henry M. Clarke, contractor, Fredericton, N.B., is offering to compromise.

LaBelle & Deschamps, plumbers, Montreal, have assigned.

The C.P.R. intends spending about $200,000 in improving its lines in Ontario. While the bulk of this will be spent in improving the road-bed, much will be devoted to new buildings. In Owen Sound, $30,000 will be spent in erecting new docks, flour warehouses, freight sheds, etc., while an $11,000 addition to its tea storage houses and $6,000 divisional offices will be built in Smith's Falls.

An extensive addition is being made to the Pacific hotel, Greenwood, B.C., by Madden & Dalles.

A Vancouver despatch says it is reported on good authority that the British Columbia Electric Railway Co., intend erecting a $100,000 hotel at the corner of Hastings and Carroll streets, Vancouver.

NO MORE LEAD WATER PIPES.

The Bradford Observer thinks that the "endeavor which is about to be made by the Yeadon Waterworks Company to dispense altogether with lead piping should be an experiment of considerable interest to waterworks authorities whose supplies are drawn from gathering grounds which yield lead-dissolving water. The convenient flexibility of lead piping is so attractive from the plumbers' point of view that waterworks authorities, when confronted by the lead-poisoning difficulty, have, as a rule, preferred to look for a remedy to an artificial doctoring of the water, say with lime, rather than to the heroic course of abolishing lead pipes. Another idea occasionally mooted has been the use of lead pipes with a protective interior coating of tin; but the theoretic merits of the suggestion never seemed to bring it into practical favor. The Yeadon Company's actions will, at all events, demonstrate what is the actual difference of cost involved in dispensing with lead."

"CANED" THEIR EMPLOYER.

On Saturday evening, the employes of Mr. Adam Hall's hardware and plumbing establishment took advantage of the Christmas spirit to show their esteem for their employer by presenting him with a very handsome gold-headed ebony cane, accompanied by an address. The presentation was made by Mr. F. Boundy, while Mr. Bert Milliken read the address, which was signed by the 18 employes of the establishment, and was as follows :

Peterboro', December 23, 1899.

MR. ADAM HALL :

Dear and Respected Sir,—We, the undersigned employes of your establishment, as a mark of the esteem in which you are held by us, wish to present you with the accompanying walking-cane.

We heartily wish you the compliments of the season, and sincerely hope that you may be spared to see many of them.

Signed, on behalf of the employes,

E. A. KEMP,
JOHN DICKSON.

Mr. Hall made a suitable reply, thanking the men for their kindness.—Review, Peterboro', December 26.

MUST ADVANCE PRICES.

While the past year has been an excellent one for business men generally, as the advance in prices has meant increase in profit to them, the plumbers of Toronto, if not of Canada, have not taken advantage of the opportunity for increasing their revenue by anticipating advances, and raising their prices in proportion to the increases charged by the manufacturers.

Stocks were bought heavily at comparatively low prices, but the plumbers gave the advantage of this to their customers in most instances.

Now that stocks are running lower, there seems a general willingness to raise prices so that the constantly narrowing margin o profit shall not shrink away altogether.

It is probable that at the next meeting of the Toronto Master Plumbers' Association, an attempt will be made to reach an agreement in regard to the matter.

CATALOGUES, BOOKLETS, ETC.

COPPER VACUUM PANS.

The Booth Copper Co., of Toronto, Limited, coppersmiths, etc., 119-123 Queen street east, Toronto, have issued a neat little folder describing their copper vacuum pans, for use of confectioners, brewers, chemical laboratories, and other such establishments. Machinists or others interested in such pans should get this folder, which shows a photogravure of one of these pans, together with prices and full particulars.

FRESH AIR IN DOORS.

A booklet dealing with the necessity of proper ventilation has been issued by P. M. Pancoast, C.E., Camden, N.J. The necessity of some means by which rooms could be ventilated without causing draughts, lead to the invention of the Pancoast Window Aerator, which is so designed as to deliver fresh air into a room without causing a draught. The booklet describes these aerators, and gives practical, substantial reasons why they should be installed. It can be had on application.

TORONTO BUILDING PERMITS.

Building permits have been issued in Toronto to The Copp, Clark Co., Limited, for a $20,000 warehouse on Front street west, near Bay street; to Wm. Booth, for a pair of semi-detached two-storey and attic brick dwellings on Chicora avenue, near Avenue road, $4,000; to Wm. Finan, for a two-storey brick residence on Dovercourt road, near Van Horne street, $1,600; to C. F. Stuart, for a two-storey brick residence on Shaw street, near College street, $1,000; to A. Gardner, for a two-storey brick residence at 65 William street, $1,300.

ADOPTING THE CASH BASIS.

James Edgcumbe, a Peterboro', Ont., merchant, has decided to adopt the cash system, and announces it in the following manner :

I wish to announce that after January 1, I will conduct my business on a cash basis. This is generally admitted to be the only satisfactory method for both customer and dealer. My books will be closed at the end of the year, and I request that all accounts be paid by February 1, next. Under the new system I feel I can give better satisfaction than ever, and, as quality with me has always been of the first importance, none but the best goods will be sold.

THE MAN BEHIND THE BOOKS

holds a responsible position. We guarantee to prepare young men and women to fill the highest places in bookkeeping if they are anxious to advance and will study "between times." Thousands have prospered through our unequalled course of

EDUCATION BY MAIL



in Electrical, Mechanical, Steam, Mining and Civil Engineering; Metallurgy, Art, Architecture, Practical Newspaper Work, English Branches, Stenography, Machine Design and Mechanical Drawing. Low price; easy terms.

Sent free to those who enroll now, a complete Drawing Outfit worth $11.10, or other premiums.

Mention subjects interested in when writing to

The United Correspondence Schools,

154-156-158 Fifth Ave., New York,

for Catalogue No. 108.

FOR SALE.

A NEW MARLIN RIFLE

Never been used. Just the Rifle for practice. Price $30. Will take $20.

19 Board of Trade, Montreal

The Syracuse Smelting Works

ARE MANUFACTURERS OF

Plumbers' and Tinsmiths' Solder

of highest quality. Highest market prices paid for old Brass and Copper.

SYRACUSE SMELTING WORKS

MONTREAL.

Sizes, ¾ and ½-inch.



Cheapest IN THE WORLD.

J. M. LITCHFIELD
105 Beekman St., New York.

Made with 1½-inch shank with thread and nut.



IRON. . .

PIPE. .

FITTINGS

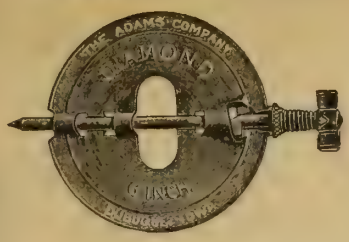
Special Fittings made to order.
Supplies for Heating Contractors.

The James Morrison Brass Mfg. Co., Limited.

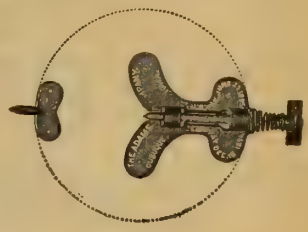
TORONTO.

PERSONS addressing advertisers will kindly mention having seen their advertisement in Canadian Hardware and Metal Merchant.

DIAMOND STOVE PIPE DAMPER AND CLIP.

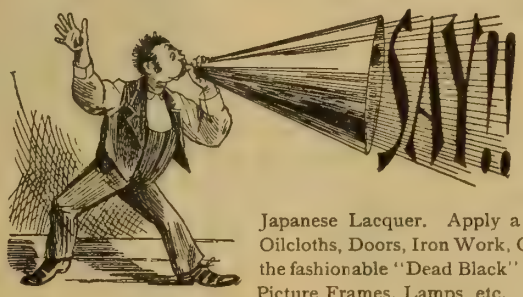


U. S. Patent June 25th, 1895.
Canadian Pat. Dec. 13th, 1894.



Sold by Jobbers of - - -
HARDWARE
TINWARE
and STOVES,
for furnace pipe, to support the sheet steel blade.

Manufactured by THE ADAMS COMPANY, Dubuque, Iowa, U.S.A.
A. R. WOODYATT & CO., GUELPH, ONTARIO.



Don't forget to Stock

JAP-A-LAC

A STAIN AND VARNISH COMBINED.

Produces a brilliant, elastic and beautiful finish, dries with the elasticity and hardness of Japanese Lacquer. Apply a coat over old Woodwork, Furniture, Floors, Oilcloths, Doors, Iron Work, Carriages, Bicycles, etc. Made in all colors, also the fashionable "Dead Black" Wrought Iron Finish for tarnished Chandeliers, Picture Frames, Lamps, etc. Try it once and you will always use it.

Why don't you sell TURPine Spirits when Turpentine is so high? An excellent substitute for, and, in many respects, better than turpentine. Price to trade, 48c. per gallon.

Canadian Depot. **A. WATT & CO.,**

Tel. Main, 2568. 43 St. Sacrament St, MONTREAL.

THE ROUND REACTING WASHER

1900

A STRICTLY FIRST-CLASS MACHINE, AT A REASONABLE PRICE.

Most Efficient
A Quick Seller

No other machine so easily operated.

Closed in—keeping suds hot and preventing escape of vapor into the room.

We commend these machines to the trade.



Send for Prices and Circulars,

THE DOWSWELL MANUFACTURING CO., LIMITED,

HAMILTON, ONT.

Toronto Foundry Co.

Manufacturers of SOIL PIPE, FITTINGS, SINKS, BOILER STANDS.

Nos. 146-148-150 Niagara Street, TORONTO

The only Exclusive Manufacturers of Soil Pipe and Soil Pipe Fittings in Canada. . . . . .

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One of the many liberal features embodied in the **UNCONDITIONAL ACCUMULATIVE POLICY** issued by the

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is the provision for Extended Insurance. After two full annual premiums have been paid, the insured is entitled to Extended Insurance for the full amount of the policy for a term of years definitely stated therein. Paid-up and Cash Values also guaranteed.

Rates and full information sent on application to the Head Office, Toronto, or to any of the association's agents.

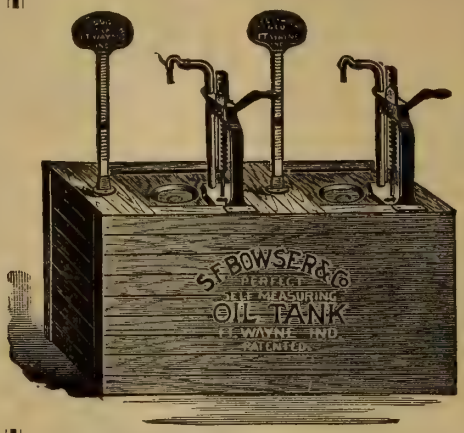
W. C. Macdonald, Actuary.

J. K. MACDONALD, Managing Director

WHAT COULD BE

MORE CONVINCING

proof of the merits and economy of the



BOWSER

SELF-MEASURING

OIL TANKS

than the fact that the Montreal Street Railway Co., which has one of the best oil rooms in the country, has equipped it with these tanks, and that the leading merchants, who handle oils, throughout the country are rapidly adopting them.

Here are the names of a few recent purchasers:

John T. Russell,	*The Market, Toronto, Ont.*
W. H. Lake,	*Toronto, Ont.*
S. & H. Becker,	*New Hamburg, Ont.*
M. Weichell & Son,	*Waterloo and Elmira, Ont.*
J. H. Horning & Co.,	*Hamilton, Ont.*
W. Burgoyne,	*Fenelon Falls, Ont.*
John M. Bond & Co.,	*Guelph, Ont.*
G. A. Binns,	*Newmarket, Ont.*
R. P. Butchart & Bro.,	*Owen Sound, Ont.*
The W. A. Carson Co.,	*Picton, Ont.*
Chas. Stephens & Co.,	*Collingwood, Ont.*
D. M. Waters,	*Belleville, Ont.*
S. S. Dickinson,	*Port Hope, Ont.*
G. A. Rollins,	*Madoc, Ont.*
James Dryden,	*Deseronto, Ont.*
Amos S. Kimmerly,	*Napanee, Ont.*
J. M. Robertson,	*Tweed, Ont.*
W. G. Rogers,	*Gananoque, Ont.*
W. J. Barber,	*Cardinal, Ont.*
Le Blance & Co.	*Cornwall, Ont.*
M. N. Stephens & Sons,	*Glencairn, Ont.*

Accepted by Government. Absolute accuracy guaranteed.
Full information upon request.

S. F. BOWSER & CO., P.O. Box 564, TORONTO, ONT. Factory, Fort Wayne, Ind.

BOWSER'S SELF-MEASURING OIL TANK.

THERE are a great many people who hesitate to employ new and more modern store appurtenances until they can ascertain the experience of one or more of their confreres. It is, perhaps, not a trait to be recommended always, for it reveals a hesitancy to imitate ; and it is those who lead that are, as a rule, the most successful. But the fact that there are people who need to have the experience of others before they move in a given direction themselves makes it necessary that they should be supplied it.

There are a large number of merchants throughout the country who have, when once the merits of the Bowser Self-Measuring Oil Tank were brought to their attention through the advertisement or the travelers, at once had one placed in their store, until there are to-day, in the United States and Canada, over 100,000 of these tanks in use. But there may be some who, because they have not seen one of the tanks in actual operation, have hesitated to provide themselves with one. If there are any such who are readers of HARDWARE AND METAL we would like to draw attention to the advertisement of S. F. Bowser & Co., the makers of the self-measuring oil tank, in which is given a few of the names of merchants in Ontario who are now using this oil and labor-saving device. It will also be noticed that The Montreal Street Railway Co. has put Bowser self-measuring tanks into its new stores department.

TOO MANY MISSING ARTICLES.

A janitor in a Northern Michigan school threw up his job the other day, according to an exchange. When asked what was the trouble he answered : "I'm honest and I won't stand being slurred. If I find a pencil or handkerchief about the school, I hang it up. Every little while the teachers or someone that is too cowardly to face me gives me a slur. Why, a little while ago I saw written on the board, 'Find the common multiple.' Well, I looked from cellar to garret and I would not know the thing if I met it on the street. What made me quit the job ? Last night in big writin' on the blackboard it said, 'Find the greatest common divisor.' Well, I says to myself, both them darned things are gone now, and I'll be blamed for swipin' 'em, so I'll quit."

OBJECT LESSON.

"Young man," asked the proprietor of the store, who was making the rounds of the various departments, "how can you afford to dress so elaborately and expensively on the salary we pay you ?"

"I can't," gloomily answered the salesman. "I ought to have more salary."—Chicago Tribune.

WHICH MOVED ?

A sign in a vacant store of Whittenton announces that "this store has moved," but, inasmuch as the sign has been in the window for about six months and the store is in the same position, it is fair to presume that goods which were contained in the store are the things that "have moved."—Taunton Gazette.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, **Montreal.**

Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates, Galvanized Sheets, Imitation Russia Sheets Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.



VanTuyl & Fairbank

Petrolia, Ont.

Headquarters for . .

Oil and Artesian Well Pumps, Casing, Tubing Fittings, Drilling Tools, Tables, etc.

R. C. LeVESCONTE

Barrister, Solicitor, Notary, Etc.

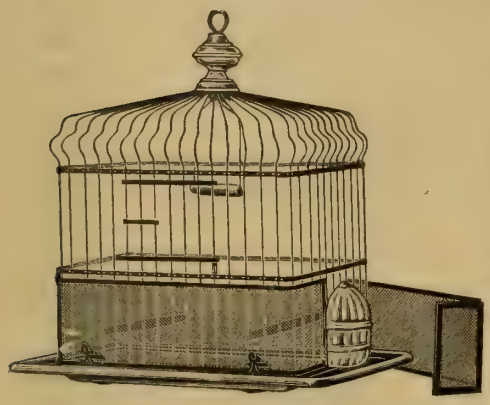
The McKinnon Building
Cor. Jordan and Melinda Streets

. . . TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.

E. T. WRIGHT & CO.,

Mfrs., Hamilton, Ont.



See Our Improved Detachable Wire Guard.

TRADE MARK J REGISTERED

"JARDINE"

TIRE UPSETTERS

WILL UPSET TIRES

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.

HESPELER, ONT.



Perfection Ventilator.

NEW, SIMPLE, ORNAMENTAL, EFFECTIVE, AND STORM PROOF.

This is the real thing for perfect ventilation. Write for information and prices.

BERGER BROS. CO., *231 and 237 Arch St., PHILADELPHIA.*

HARRINGTON & RICHARDSON ARMS CO.

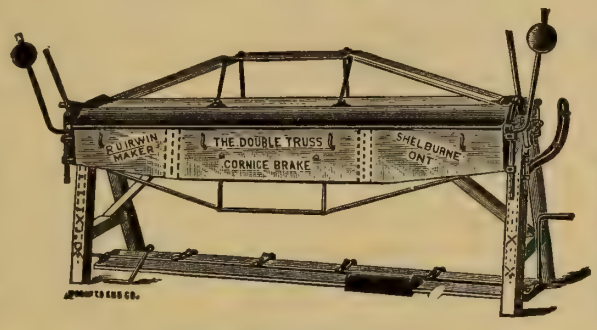
WORCESTER, MASS., U. S. A.



Makers of **High Grade REVOLVERS**

SEND FOR COMPLETE CATALOGUE.

For sale by Sporting Goods and Hardware Stores almost everywhere.



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

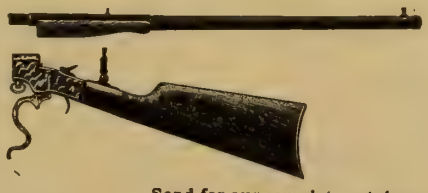
Price, $50

Very handy beader attachment, $10 extra if required.

Send for circulars and testimonials to

The Double Truss Cornice Brake Co. SHELBURNE, ONT.

STEVENS RIFLES



THE FAVORITE

is made in three calibres

22, 25 and 32 Rim Fire

and is the best low-priced rifle made. Highest quality of work. Accuracy guaranteed. Weight, 4½ lbs.

No. 17, Plain Sights—	**List**	**$ 8.00**
No. 18, Target Sights—	"	**11.50**
No. 19, Lyman Sights—	"	**12.00**

Send for our complete catalogue.

J. STEVENS ARMS & TOOL CO.

For Sale by All Leading Canadian Jobbers At Trade Discounts.

P.O. Box 215, CHICOPEE FALLS, MASS., U.S.A.

HUTCHISON, SHURLY & DERRETT

DOVERCOURT TWINE MILLS.

1078 BLOOR STREET WEST TORONTO.

Having equipped our Factory with entirely new machinery, we are prepared to furnish the best made goods in the market at closest prices and make prompt shipments.

Hand Laid Cotton Rope and Clothes Lines,
Cotton and Russian Hemp Plough Lines, plain and colored.
Cotton and Linen Fish Lines, laid and braided.
Netted Hammocks, white and colored, Tennis and Fly Nets.
Skipping Ropes, Jute, Hemp and Flax Twines.

JOSEPH RODGERS & SONS

Limited

SHEFFIELD, ENGLAND.

Each blade of our Goods bears the exact mark here represented.



JAMES HUTTON & CO., MONTREAL SOLE AGENTS IN CANADA.

CURRENT MARKET QUOTATIONS.

Dec. 29, 1899.

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—	
56 and 28 lb. ingots, per lb.	0 33
Straits	0 33

Tinplates.

Charcoal Plates—Bright.

M.L.S., equal to Bradley.	Per box
I.C., usual sizes	$6 50
I.X., "	7 75
I.X.X., "	9 00
J. R. & Co.—	
I.C	6 00
I.X	7 25
I.X.X	8 50
Famous—	
I.C.	6 25
I.X.	7 50
I.X.X	8 75
Raven & Vulture Grades—	
I.C., usual sizes	5 00
I.X., "	5 75
I.X.X. "	6 50
I.XXX., "	7 25
D.C., 12½x17	4 50
D.X	5 25
D.X.X	7 25

Coke Plates—Bright.

Bessemer Steel—	
I.C., usual sizes	4 35
I.C., special sizes, base	4 50
20x28	8 75

Charcoal Plates—Terne.

Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	8 50
I.X., Terne Tin	10 50

Charcoal Tin Boiler Plates.

Cookley Grade—	Per lb.
X.X., 14x56, 50 sheet bxs	0 07 0 07½
" 14x60 "	
" 14x65, "	

Tinned Sheets.

72x30 up to 24 gauge	0 08 0 08½
" 26 "	0 08½ 0 09
" 28 "	0 09 0 09½

Iron and Steel.

	Base	Price
Common Bar, per 100 lbs	2 35	2 45
Refined " "	2 85	2 95
Horse Shoe		2 65
Hoop steel, 1½ to 3 in. base, extras for smaller sizes		3 00
Swedish " "	4 00	4 25
Sleigh Shoe Steel " base		2 70
Tire Steel		2 70
Machinery		2 65
Cast Steel, per lb	0 10	0 14
Toe Calk Steel		3 25
Thos. Firth & Sons' Cast Steel	0 12	0 14
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker.	3 00	3 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½-inch	0 11
2 "	0 12
2½ "	0 14

Steel Boiler Plate.

¼ inch	3 25
3-16 inch	3 40
⅝ inch and thicker	3 25

Black Sheets.

18 gauge	3 00
20 gauge	3 00
22 to 24 "	3 10
26	3 20
28 "	3 35

Canada Plates.

All dull, 52 sheets	3
Half polished	3
All bright	3

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ⅜ inch, $3 60; ½ inch, $3.60; ¾ inch, $4.20; 1 inch, $5.90; 1¼ inch, $7.85; 1½ inch, $9.75; 2 inch, $13.00. 2½ to 6 inch, discount 45 p.c.

Galvanized, ½ inch, $6.50; ¾ inch, $8.00; 1 inch, $11.50; 1¼ inch, $16.00; 1½ inch, $20.00; 2 inch, $28.50.

Galvanized Iron.

	G C. Comet.	Amer.	Queen's Head.
16 gauge		4 35	4 25
18 to 24 gauge	4 50 3 80	4 35	4 50
26 "	4 75 4 10	4 35	4 75
28 "	5 00 4 35	4 60	5 00

Less than case lots, 25c. per 100 lb. additional 28 gauge American equals 26 gauge English.

Chain.

Proof Coil, 3-16 in., per 100 lb	
" ¼ " "	8 25
" 5-16 " "	6 25
" ⅜ " "	5 50
" 7-16 " "	5 30
" ½ " "	5 10
" ⅝ " "	4 90
" ¾ " "	4 85

Halter, kennel and post chains, 40 and 50 p.c.
Cow ties, 40 p.c.
Stall fixtures, 35 p.c.
Trace chain, 25 and 5 p.c.
Jack chain, iron, single and double, discount 35 p.c.
Jack chain, brass, single and double, discount 40 p.c.

Copper.

	Ingot	
English B. S., ton lots	0 19½	0 20½
Lake Superior		
	Bolt or Bar.	
Cut lengths, round, ½ to ⅞ in.	0 23½	0 25
" round and square 1 to 2 inches	0 23½	0 25
	Sheet.	
Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 23	0 23½
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 23	0 23½

NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.

Tinned copper sheets	0 26
Planished	0 32

Braziers. (In sheets.)

4x6 ft. 25 to 30 lbs. ea., per lb.	0 25½
" 35 to 45 "	0 24½
" 50-lb. and above, "	0 23½

Boiler and T. K. Pitts.

Plain Tinned, per lb	0 28
Spun, per lb	0 32

Brass.

Roll and Sheet, 14 to 30 gauge, 5 per cent.

Sheets, hard-rolled, 2x4	0 24 0 25
Tubing, base, per lb	0 24 0 25

Zinc Spelter

Foreign, per lb	0 07 0 07¼
Domestic "	

Zinc Sheet.

5 cwt. casks	0 08
Part casks	0 08¼

Lead.

Imported Pig, per lb	0 04¾ 0 05
Domestic, per lb	
Bar, 1 lb	05
Sheets, 2½ lbs. sq. ft., by roll.	0 05¼ 05½
Sheets, 3 to 6 lbs., per sq. ft., by roll	0 05 0 05¼

NOTE.—Cut sheets ½ cent per lb. extra.

Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 17½ per cent. discount.

NOTE.—Cut lengths, net price, waste pipe 8-ft. lengths, lists at 7½ cents.

Shot.

Ordinary, drop, $5.25 per 100 lb.; chilled $5.50 per 100 lb. F.O.B. Toronto; terms 3 per cent. cash, freights equalized on Montreal.

Soil Pipe and Fittings.

Discount, 50 per cent. on medium and extra heavy, and 45 per cent. on light.

Solder.

	Per lb.	Per lb.
Bar half-and-half	0 19½	0 20
Refined	0 19	0 19½
Wiping	0 18½	0 19

NOTE.—Prices of this graded according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 11 0 11½

White Lead.

	Per cwt.
Pure, Assoc. guarantee, ground in oil, 25 lb. irons	6 50
No. 1 do	6 12½
No. 2 do	5 75
No. 3 do	5 37½
No. 4 do	5 00
Robertson's Chemically Pure	6 50
Munro's Select Flake White	6 75
Elephant and Decorators' Pure	6 50

Red Lead.

Genuine, 560 lb casks, per cwt.	$5 00
Genuine, 100 lb. kegs, per cwt.	5 25 5 50
No. 1, 560 lb. casks, per cwt.	4 75
No. 1, 100 lb. kegs, per cwt.	5 00

White Zinc Paint.

Elephant Snow White	0 08 0 09
Pure White Zinc	0 08 0 09
No. 1	0 06 0 07½
No. 2	0 05 0 06½

Dry White Lead.

Pure, casks	0 05¼
Pure, kegs	0 05⅝
No. 1, casks	0 04⅞
No. 1, kegs	0 05⅛

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)

Pure, per gallon	1 00 1 10
Second qualities, per gallon	0 90 0 95
Barn (in bbls.)	0 70 0 90
The Sherwin-Williams Paints	1 30
Canada Paint Co's Pure	1 10 1 20
Robertson's Pure	1 10
Sanderson Pearcy's Pure	1 10
Toronto Paint and Color Co.'s Pure	1 10 1 20

Colors in Oil.

(25 lb. tins, Standard Quality.

Venetian Red, per lb	0 05
Chrome Yellow	0 11
Golden Ochre	0 06
French "	0 05
Marine Black	0 09
" Green	0 09
Chrome "	0 08
French Imperial Green	0 19

Colors, Dry.

Yellow Ochre (J.C.) bbls	1 35 1 40
Yellow Ochre (J.F.L.S.), bbls	2 75
Yellow Ochre (Royal)	1 10 1 15
Brussels Ochre	2 00
Venetian Red (best), per cwt.	1 80 1 90
English Oxides, per cwt.	3 00 3 25
American Oxides, per cwt	1 75 2 00
Canadian Oxides, per cwt.	1 75 2 00
Super Magnetic Oxides, 93 p.c.	2 00 2 25
Burnt Sienna, pure, per lb.	0 10
" Umber, " "	0 10
do Raw	0 09
Drop Black, pure	0 09
Chrome Yellows, pure	0 18
Chrome Greens, pure, per lb.	0 12
Golden Ochre	0 03¾
Ultramarine Blue in 28-lb boxes, per lb.	0 08 0 24
Fire Proof Mineral, per 100 lb.	1 00
Genuine Eng. Litharge, per lb	0 07
Mortar Color, per 100 lb.	1 25
James' Gen. Red Lead, 100 lb	0 05
Pure Indian Red, No. 45, lb.	0 08
Whiting, per 100 lb.	0 55

Sulphate of Copper.

Casks, for spraying, per lb.	0 07
100-lb. lots, do. per lb.	0 08

Putty.

Bladders in bbls.	1 80
Bladders in 100 or 200 lb. kegs or bxs	1 95
Bulk in bbls., per 100	1 65
Bulk in less quantities	1 80
25-lb. tins, 4 in case	2 05
12½-lb. tins, 8 in case	2 30

Varnishes.

(In 5-gal. lots.)		Per gal.
Carriage, No. 1	1 30	1 40
Extra do.	1 50	1 60
Body Varnish	3 40	3 50
Furniture Varnish	0 60	0 75
Extra do.	1 10	1 20
Demar Varnish		1 60
Hard Oil Finish	1 30	1 45
Orange Shellac Varnish	2 00	2 10
White Shellac	2 20	2 25
Rubbing Varnish		2 00
Brown Japan	85	1 00
Elastic Oak		1 40

Linseed Oil.

Raw.		Boiled.	
1 to 4 bbls	$0 60	delivered	$0 63
5 to 9 bbls	59	"	62
10 to 15 bbls	58	f.o.b. point ship'nt	61
16 to 30 bbls	57	"	60

Turpentine.

Single barrels	0 73
2 to 4 barrels	0 72

Freight allowed. Toronto, Hamilton London and Guelph, 2c. less.

Castor Oil.

In cases, per lb	0 09
Small lots	0 10

Cod Oil, Etc.

Cod Oil, per gal.	0 50 0 55
Pure Olive	1 20
" Neatsfoot	90

Glue.

(In bbls.)

Common	0 08½ 0 09
French Medal	0 12 0 12½
Cabinet, sheet	0 11 0 12
White, extra	0 16 0 18
Gelatine	0 22 0 30
Strip	0 16 0 18
Coopers	0 19 0 20
A1 clear	0 09

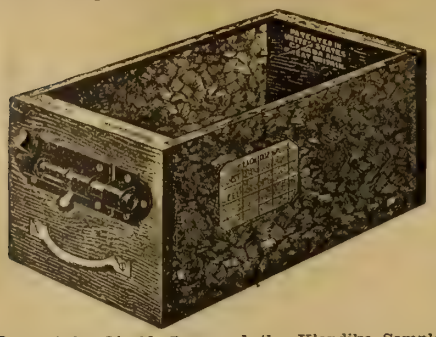
HARDWARE.

Ammunition.

Cartridges.

B. B. Caps. Dom., 50 and 5 per cent.
Rim Fire Pistol, dis. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18 p.c. Amr

SHELF BOXES AND SHELVING. We are prepared to make shelving in sections with boxes complete, edges of shelving being finished in same wood as box fronts. This will insure good fitting boxes, and greatly help those remodelling their stores. Full particulars from the maker of



Bennett's Shelf Box and the Klondike Sample Holder.

J. S. BENNETT, 20 Sheridan Ave., Toronto.

N.B.—No trouble to answer inquiries, or to give you the benefit of 25 years' experience as a hardwareman.

WARNOCK'S TOOLS

have been Canada's Standard for 55 years---since 1844. Every article bearing our name is fully guaranteed. Always specify **"Warnock's."**

James Warnock & Co., - Galt, Ont.

Central Fire Cartridges, pistol sizes, Dom 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 10 p.c.
Brass Shot Shells, 55 and 10 per cent.
Primers, Dom., 30 per cent.

Wads.

	per lb.
Best thick white felt wadding, in ¾-lb bags	1 00
Best thick brown or grey felt wads, in ½-lb. bags	0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each, 8 gauge	

Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10

Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90

Adzes.

Discount, 20 per cent.

Anvils.

Per lb	10	0 12½
Anvil and Vice combined	....	4 50
Wilkinson & Co.'s Anvils, lb.	0 09	0 09½
Wilkinson & Co.'s Vices, lb.	0 09¾	0 10

Augers.

Gilmour's, discount 50 and 10 p.c. off list.

Axes.

Chopping Axes—		
Single bit, per doz	5 50	10 00
Double bit, "	12 00	18 00

Bench Axes, 40 and 15 p.c.
Broad Axes, 33⅓ per cent.

Hunters' Axes	5 50	6 00
Boy's Axes	5 75	6 75
Splitting Axes	6 50	12 00
Handled Axes	7 00	10 00

Bath Tubs.

Zinc	3 90	4 00

Copper, discount 40 and 10 p.c. off revised list
Steel clad, discount 20 per cent. Boxing extra.

Anti-Friction Metal.

Tandem "A"	per lb.	0 23
" B	"	0 19
" C	"	0 11½

Magnolia Anti-Friction Metal, per lb. 0 25
F. O. B. New York or Chicago.

Bells.

Hand.

Brass, 60 per cent.
Nickel, 55 per cent.

Door.

Gongs, Sargant's	5 50	8 00

" Peterboro', discount 27½ per cent.

Cow.

American make, discount 66⅔ per cent.
Canadian, discount 45 and 50 per cent.

Farm.

American, each	1 25	3 00

House.

American, per lb	0 35	0 40

Bellows.

Hand, per doz	3 35	4 75
Moulders', per doz	7 50	10 00

Blacksmiths', discount 40 per cent.

Belting.

Extra, 50 per cent.
Standard, 50 and 10 to 50, 10 and 5 per cent.
Agricultural, 60 and 10 p.c.

Bits.

Auger.

Gilmour's, discount 50 and 10 per cent.
Rockford, 50 and 10 per cent.
Jennings' Gen., net list.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's, 40 per cent.

Gimlet.

Clark's, per doz	0 65	0 90
Damond, Shell, per doz	1 00	1 50
Nail and Spike, per gross	2 25	5 20

Blind and Bed Staples.

All sizes, per lb	0 07¾	0 12

Bolts and Nuts. Per cent.

Norway Bolts, full square	65
Common Carriage Bolts, all sizes	50
" " full square	65
Machine Bolts, all sizes	52½
Coach Screws	65
Sleigh Shoe Bolts	70
Blank Bolts	52½
Bolt Ends	62½
Nuts, square	3½c. off
Nuts, hexagon	4c. off
Tapping Nuts	60
Tire Bolts	60 and 10
Stove Bolts	60 and 10
Stove rods, per lb	5½ to 6c.
Plough Bolts	50

Boot Calks.

Small and medium, per M	4 50	
Small heel, per M	4 25	

Bright Wire Goods.

Discount ..... 55 per cent.

Broilers.

Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent.

Henis, No. 8, "	....	6 00
Henis, No. 9, "	....	7 00
Queen City "	7 50	0 00

Butchers' Cleavers.

German, per doz	6 00	11 00
American, per doz	12 00	20 00

Building Paper, Etc.

Plain building, per roll		0 28
Tarred lining, per roll		0 35
Tarred roofing, per 100 lb		1 40
Coal Tar, per barrel		3 75
Pitch, per 100-lb		0 60
Carpet felt, per 100 lb		2 50

Bull Rings.

Copper, $2.50 for 2½ in. and $2 for 2 in.

Butts.

Brass.

Wrought Brass, net revised list.

Cast Iron.

Loose Pin, dis., 6 per cent.

Wrought Steel.

Fast Joint, dis. 60 and 10 per cent.
Loose Pin, dis. 60 and 10 per cent.
Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair	0 40	0 65

Cards.

Horse, per doz	0 60	1 00

Carpet Sweepers.

Bissell, per doz	....	22 50
World, "	....	21 75
Daisy, "	....	24 00
Star, "	....	18 00
Crown Jewel, per doz	....	29 00
Grand Rapids, "	24 00	33 00

Carpet Stretchers.

American, per doz	1 00	1 50
Bullard's, per doz	6 50	....

Castors.

Bed, new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross	50	9 50

Cement.

Canadian Portland	2 65	2 90
English "	....	3 00
Belgian "	....	2 70
Canadian hydraulic	1 00	1 10

Figures are for barrel lots.

Chalk.

Carpenters, Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18

Chisels.

Socket, Framing and Firmer.

Broad's, dis. 60 and 5 per cent.
Warnock's, dis. 60 per cent.

Churns.

Revolving Churns, metal frames—No. 0, $8—No. 1, $8.50—No. 2, $9.00—No. 3, $10.00—No. 4, $12.00—No. 5, $16.00 each. Ditto, wood frames—20c. each less than above.
Discounts: Delivered from factories, 60 p.c.; from stock in Montreal, 58 p.c.
Terms, 4 months or 3 p.c. cash in 30 days.

Cinder Sifters.

Per doz 1 25

Clips.

Axle dis. 65 per cent.

Closets.

Plain Ontario Syphon Jet	$8 00
Emb. Ontario Syphon Jet	8 50
Fittings	1 00
Plain Teutonic Syphon Washout	4 75
Emb. Teutonic Syphon Washout	5 25
Fittings	1 00
Plain Richelieu	4 75
Emb. Richelieu	5 00
Fittings	1 25
Closet connection	1 25
Basins, round 14 in.	0 65
" oval, 17 x 14 in.	1 55
" " 19 x 15 in.	2 30

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent.

Cradles, Grain.

Canadian, dis. 20 per cent. from factory.

Crosscut Saw Handles.

S. & D., No. 3, per pair	17½
" " 5, "	22½
" " 6, "	15
Boynton pattern "	20

Dies.

Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. per cent.

Door Springs.

Torrey's Rod, per doz	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English, per doz	2 00	4 00

Draw Knives.

Broad's, dis 60 to 60 and 7½ per cent.
Warnock's, dis. 60 to 60 and 7½ per cent.

Drills.

Hand and Breast.

Millar's Falls, per doz. net list.

DRILL BITS.

Morse, dis., 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.

ELBOWS. (Stovepipe.)

No. 1, per doz		1 80
No. 2, per doz		1 60
Bright, 20c. per doz. extra.		

ESCUTCHEONS.

Discount, 27½ per cent.

ESCUTCHEON PINS.

Iron, discount 40 per cent.

FACTORY MILK CANS.

Discount off revised list, 45 per cent.

FILES.

Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Jowitt's, English list, 25 to 27½ per cent.
Mechanics' Star & File Mfg. Co Discount 60 and 10 to 70 per cent.

FORKS.

Hay, manure, etc., dis., 50 and 10 per cent. revised list.

FRUIT PRESSES.

Henis', per doz	3 25	3 50

Shepard's Queen City, dis. 15 per cent.

GAUGES.

Marking, Mortise, Etc.

Stanley's dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each	1 65	2 40

GLASS—Window—Box Price.

Size United Inches.	Star Per 50 ft.	Star Per 100 ft	D. Diamond Per 50 ft.	D. Diamond Per 100 ft
Under 26	2 10	4 00	3 50	6 00
26 to 40	2 30	4 35	3 75	6 65
41 to 50	....	4 75	....	7 25
51 to 60	....	5 00	....	8 50
61 to 70	....	5 35	....	9 25
71 to 80	....	5 75	....	10 50
81 to 85	....	6 50	....	11 75
86 to 90	....	7 25	....	14 00
91 to 95	....	....	....	15 50
96 to 100	....	....	....	18 00
101 to 105	....	....	....	21 00
106 to 110	....	....	....	24 00
111 to 115	....	....	....	28 00

16 x 16 10 per cent. off.

HALTERS.

Rope, ⅜ per gross	....	....
" ½ "	....	9 00
" ⅝ to ¾ "	....	14 00
Leather, 1 in., per doz	3 87½	4 00
" 1¼ in., "	5 15	5 20
Web, — per doz	1 87	2 45

HAMMERS.

Nail

Maydole's, dis 5 to 10 per cent. Can. dis. 25 to 27½ per cent.

Tack.

Magnetic, per doz	1 10	1 20

Sledge.

Canadian, per lb	0 07½	0 08½

Ball Pean.

English and Can., per lb	0 22	0 25

HANDLES.

Axe, per doz., net	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pair	0 40	2 50

Fork.

C. & B., dis. 40 per cent. rev. list.

Hoe.

C. & B, dis. 40 per cent. rev. list.

Saw.

American, per doz	1 00	1 25

Plane.

American, per gross	3 15	3 75

Hammer and Hatchet.

Canadian, 40 per cent.

Cross-Cut Saws.

Canadian, per pair	0 13¾	0 20

HANGERS. doz. pairs

Steel barn door	5 85	6 00
Stearns, 4 inch	....	5 00
" 5 inch	....	6

Lane's covered—

No. 11, 5-ft. run	....	8 40
No. 11½, 10-ft. run	....	10 80
No. 12, 10-ft. run	....	12 60
No. 14, 15-ft. run	....	21 00
Lane's O.N.T. track, per foot	....	4½

HARVEST TOOLS.

Discount, 50 and 10 per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent.

HINGES.

Blind, Parker's, dis. 60 and 10 to 65 per cent
" Shepard's Noiseless, dis. 60 per cent.
" " Buffalo, dis. 60 to 70 p. c.

Heavy T and strap, 4-in., per lb		....	0 06
" " 5-in.,	"	....	0 05¾
" " 6-in.,	"	....	0 05½
" " 8-in.,	"	....	0 05¼
" " 10-in.,	"	....	0 05

Light T and strap, dis. 60 and 10 per cent.

Screw hook and hinge—		
6 to 12 in., per 100 lbs	....	4 50
14 in. up, per 100 lbs	....	3 50

Per gro. pair

Spring	....	12 00

HOES.

Garden, Mortar, etc., dis. 50 and 10 p.c.		
Planter, per doz	4 00	4 50

HOLLOW WARE

Discount, ... 45 and 5 per cen

HOOKS.

Cast Iron.

Bird Cage, per doz	0 50	1 10
Clothes Line, per doz	0 27	0 63
Harness, per doz	0 72	0 88
Hat and Coat, per gross	1 00	3 00
Chandelier, per doz	0 50	1 00

Wrought Iron.

Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.

Hat and Coat, discount 45 per cent.
Belt, per 1,000 ..... 0 60 0 70
Screw, bright, dis. 55 per cent.

HORSE NAILS.

"C" brand 50 p c. dis. } Oval head.
"M" brand 50 p.c. }

Acadian, countersunk head and oval top, 60 per cent.

HORSESHOES.

Iron Shoes.	F.O.B. Toronto. No. 2 and larger.	No. 1. and smaller.
Light, medium, and heavy.	3 80	4 05
Snow shoes	4 05	4 30
Steel Shoes.		
Light	4 10	4 35
Featherweight (all sizes)	5 35	5 35

JAPANNED WARE.

Discount, 45 per cent. off list, June, 1899.

ICE PICKS.

Star, per doz 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
Copper, per lb 0 30 0 50
American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis., 27½ p.c.
Cabinet, trunk, and padlock, Am. per gross 60

KNOBS.

Door japanned and N.P., per doz	1 50	2 50
Bronze, Berlin, per doz	2 75	3 25
Bronze Genuine, per doz	6 00	9 00
Shutter, porcelain, F. & L. screw, per gross	1 30	4 00

HAY KNIVES.

Discount, 50 and 10 per cent.

LANTERNS.

Cold Blast, per doz	7 50
No. 3 " Wright's "	8 50
Ordinary with O burner	4 25
Dashboard, cold blast	9 50
No. 0	6 00

Japanning, 50c. per doz. extra.

LEMON SQUEEZERS.

	per doz.
Porcelain lined	2 20 5 60
Galvanized	1 87 3 85
King, wood	2 75 2 90
King, glass	4 00 4 50
All glass	1 20 1 30

LINES.

Fish, per gross	1 05	2 50
Chalk "	1 90	7 40

LOCKS

Canadian, dis. 27½ p.c.
Russell & Erwin, per doz 3 05 3 25
Cabinet.
Eagle, dis. 30 p.c.
Padlock.

English and Am., per doz	50	6 00
Scandinavian, "	1 00	2 40

Eagle, dis. 15 to 17½ p.c.

MACHINE SCREWS.

Iron and Brass.

Flat head, discount 25 p.c.
Round Head, discount 20 p.c.

MALLETS.

Tinsmiths', per doz	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz.	3 85	5 00
Caulking, each	60	2 00

MATTOCKS

Canadian, per doz 8 50 10 00

MEAT CUTTERS.

American, dis. 25 to 30 p.c.
German, 15 per cent.

MILK CAN TRIMMINGS.

Discount, 25 per cent.

NAILS.

Quotations are:	Cut.	Wire.
2d. and 3d	$3 60	$4 30
3d	3 25	3 95
4 and 5d	3 00	3 80
6 and 7d	2 90	3 65
8 and 9d	2 75	3 45
10 and 12d	2 70	3 40
16 and 20d	2 65	3 35
30, 40, 50 and 60d. (base)	2 60	3 30

Steel Cut Nails 10c. extra.

NAIL PULLERS.

German and American 1 85 3 50

NAIL SETS.

Square, round, and octagon, per gross 3 38 4 00
Diamond 12 00 15 00

NETTING.

Poultry, 45 per cent. for McMullen's.

OIL.

Canada refined (Toronto)	....	0 13½
Sarnia Water White	....	0 15
Pratt's Astral	....	0 18
Sarnia, Prime White	....	0 14
American w. w.	....	0 16½

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz 0 00 11 00
Zinc and tin, dis. 50, 50 and 10.
Copper, per doz 1 25 3 50
Brass, " 1 50 3 50
Malleable, dis. 25 per cent.

PAILS.

Galvanized pails, discount 45 per cent.
Galvanized flaring pails, discount 45 per cent
Galvanized washtubs, discount 45 per cent.

PIECED WARE.

Discount, 40 per cent. off list, June, 1899.

PICKS.

Per doz 6 00 9 00

PICTURE NAILS.

Porcelain head, per gross	1 50	3 00
Brass head, "	0 40	1 00

PLANES.

Wood, bench, Canadian dis. 55 per cent.
American dis. 55.
Wood, fancy Canadian or American, 37½ to 40 per cent.
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.
Miscellaneous, dis. 25 to 27½ per cent.
Bailey's Victor, 25 per cent

PLANE IRONS.

English, per doz 2 00 5 00

PLIERS AND NIPPERS.

Button's Genuine, per doz pairs, dis. 37½ 40 p.c
Button's Imitation, per doz.. 5 00 9 00
German, per doz 0 60 2 60

PRESSED SPIKES.

Discount, 20 per cent.

PULLEYS.

Hothouse, per doz	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS

Canadian cistern	1 40	2 25
Canadian pitcher spout	1 15	2 00

PUNCHES.

Saddlers', per doz	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set	0 00	0 72
" hollow, per inch	0 00	1 00

RANGE BOILERS

Galvanized, 30 gallons		8 50
" 35 "		10 00
" 40 "		11 00
Copper, 30 "		22 00
" 35 "		26 00
" 40 "		30 00

Discount off Copper Boilers 10 per cent.

RAKES.

Cast steel and malleable Canadian, list dis. 50 and 10 p.c revised list.
Wood, 25 per cent.

RASPS AND HORSE RASPS.

New Nicholson horse rasp, discount 60 p.c.
Globe File Co.'s rasps, 60 and 10 to 70 p.c.
Heller's Horse rasps, 50 to 50 and 5 p.c.

RAZORS.

	per doz.	
Geo. Butler & Co.'s	8 00	18 00
Boker's	7 50	11 00
Wade & Butcher's	3 60	10 00
Theile & Quack's	7 00	12 00
Elliot's	4 00	18 00

REAPING HOOKS.

Discount, 50 and 10 per cent.

REGISTERS.

Discount, ... 60 per cent.

RIVETS AND BURRS.

Carriage, Section, Wagon Box Rivets, etc. (Steel), 45 p c.
Black M Rivets (Steel), 45 p.c.
Black and Tinned Rivets, 45 p.c.
Extras on Iron Rivets in 1-lb. cartons, ½c. per lb.
Extras on Iron Rivets in ½-lb. cartons, 1c. per lb.
Copper Rivets & Burrs, 35 p.c. dis., and cartons, 1c. per lb, extra, net.
Extras on Tinned or Coppered Rivets in ½-lb. cartons, 1c. per lb.
Burrs, iron or steel, 40 per cent.
Terms, 4 mos. or 3 per cent. cash 30 days.

RIVET SETS.

Canadian, dis. 35 37½ per cent.

ROPE, ETC.

	Sisal.	Manila.
7-16 in. and larger, per lb.	12½	15
⅜ in	13	15½
¼ and 5-16 in.	13½	16
Cotton		14
Russia Deep Sea		15½
Jute		8
Lath Yarn		9¾
New Zealand Rope		10½

RULES.

Boxwood, dis. 75 and 10 p.c.
Ivory, dis. 37½ to 40 p.c.

SAD IRONS.

	per set.
Mrs. Potts, plain, polished	0 90
" " " 12 case cts	0 85

10c. advance for plated.

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.
B & A. sand, 40 and 2½ per cent.
Emery, 40 per cent.

SAWS.

Hand, Disston's, dis. 12½ p.c.
S. & D., 40 per cent.
Crosscut, Disston's, per ft 0 35 0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.
Hack, complete, each 0 75 2 75
" frame only 0 75

SASH WEIGHTS.

Sectional, per 100 lbs	....	3 25
Solid, "	....	1 50

SASH CORD.

Per lb 0 23 0 30

SAW SETS.

"Lincoln," per doz 6 50

SCALES

Gurney Scales, 45 p.c.
B. S. & M. Scales, 45 p.c.
Champion, 55 per cent.
Fairbanks Standard, 35 p.c.
" Dominion, 55 p.c.
" Richelieu, 55 p.c.
Chatillon Spring Balances, 10 p.c.

SCREW DRIVERS.

Sargent's, per doz 0 65 1 00

SCREWS

Wood, F. H., iron, and steel, 80 p.c.
Wood R. H., " dis. 75 p.c.
" F. H., brass, dis. 75 p.c.
Wood, R. H., " dis. 67½ p.c.
" F H., bronze, dis. 67½ p.c.
" R.H. " 62½ p.c.
Drive Screws, 80 per cent.

Bench, wood, per doz	3 25	4 00
" iron, "	4 25	5 75

SCYTHES.

Discount, per doz. net 9 00 15 00

SCYTHE SNATHS.

Canadian, dis. 45 p.c.

SHEARS

Seymour's, dis. 50 and 10 p.c.
Heinisch, dis. 50 and 10 p.c.
Seymour or Heinisch tailor shears. 15 p.c.

SHOVELS AND SPADES.

Canadian, dis. 40 and 5 per cent.

SINKS.

Steel and galvanized, discount 45 per cent.

SNAPS.

Harness, German, dis. 25 p.c.
Lock, Andrews' 4 50 11 50

SOLDERING IRONS.

1, 1½ lb., per lb	0 37
2 lb. or over, per lb	0 34

SQUARES.

Iron, No 493, per doz	2 40	2 55
" Mo. 494, "	3 25	3 40

Steel, dis. 50 and 5 to 50 and 10 p.c., rev. list.
Try and bevel, dis. 50 to 52½ p c.

STAMPED WARE

Plain, dis. 75 and 12½ p c. off revised list.
Retinned, dis., 75 p.c. off revised list.

STAPLES.

Galvanized	3 75
Bright	3 50

STOCKS AND DIES.

American dis. 25 p.c.

STONE.

	Per lb.	
Washita	0 28	0 60
Hindostan	0 06	0 17
" slip,	0 09	0 09
Labrador	....	0 13
" Axe	....	0 15
Turkey	....	0 50
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross	3 50	5 00
Grind, per ton	15 00	18 00

STOVE PIPES.

5 to 6 inch, per 100 lengths	....	6 75
7 inch, per 100 lengths	....	7 25

Stove Polish.



No. 4—3 dozen in case, net cash $4 50
No. 6—3 dozen in case, " 7 50

STEP LADDERS.

Best grade, from 3 to 10-ft. long, per foot, 16c.
2nd grade, 3 to 10-ft., per foot, 10c.

TACKS BRADS, ETC.

Per cent.

Strawberry box tacks, bulk 75
Cheese-box tacks, blued ..... 80 and 12½
Trunk tacks, black and tinned ..... 80 and 12½
Carpet tacks, blued and tinned .. 75 and 10
" " (in kegs) 35
Cut tacks, blued, in dozens only .. 70 and 10
" ¼ weights 55
Swedes, cut tacks, blued and tinned—
In bulk 80
In dozens ..... 70 and 10
Swedes, upholsterers', bulk ..... 80 and 12½
" brush, blued & tinned, bulk .. 45
" gimp, blued tinned and japanned ..... 70 and 10
Zinc tacks 30
Leather carpet tacks 55
Copper tacks 50
Copper nails 52½
Trunk nails, black 65
Trunk nails, tinned ..... 65 and 5
Clout nails, blued and tinned 65
Chair nails 35
Cigar box nails 35
Patent brads 40
Fine finishing 40
Picture frame points 10
Lining tacks, in papers 10
" " in bulk 15
" " solid heads, in bulk 75
Saddle nails in papers 10
" " in bulk 15
Tufting buttons, 22 line, in dozens only 60
Tin capped trunk nails 15
Zinc glazier's points 5
Double pointed tacks, dozens 85
" " " bulk .....

TAPE LINES.

English, ass skin, per doz	2 75	5 00
English, Patent Leather	5 50	9 75
Chesterman's each	0 90	2 85
" steel, each	0 80	8 00

THERMOMETERS

Tin case and dairy, dis. 75 to 75 and 10 p.c.

TRANSOM LIFTERS.

Payson's per doz 2 60

TRAPS. (Steel.)

Game, Newhouse, dis. 25 p c.
Game, H. & N., P. S. & W., 65 p.c.
Game, steel, 72½, 75 p.c.

TROWELS.

Disston's, discount 10 per cent.

German, per doz	4 75	6 00
Brade's "	5 00	10 50

S. & D., discount 35 per cent.

TWINES.

Bag, Russian, per lb	....	0 21
Wrapping, mottled, per pack.	0 50	0 60
Wrapping, cotton, per lb	0 17	0 18
Mattress, per lb	0 33	0 45
Staging, "	0 27	0 35
Broom, "	0 30	0 55

VISES.

Hand, per doz	4 00	6 00
Bench, parallel, each	2 00	4 50
Coach, each	6 00	7 00
Peter Wright's, per lb	0 12	0 13
Pipe, each	5 50	9 00
Saw, per doz	6 50	13 00

ENAMELLED WARE.

White, Princess, Turquoise, Blue and White discount 50 per cent.
Diamond, Famous, Premier, 50 and 10 p.c.
Granite or Pearl, Imperial, Crescent, 50, 10 and 10 per cent.

WIRE.

Brass wire, 50 to 50 and 2½ per cent. off the list
Copper wire. 45 and 10 per cent. net cash 30 days, f.o.b. factory.
Smooth Steel Wire, base, $3.45 per 100 lb. List of extras: Nos. 2 to 5, advance 7c. per 100 lb.—Nos. 6 to 9 base—No. 10, advance 7c.—No. 11, 14c.—No. 12, 20c—No. 13, 35c—No. 14 47c.—No. 15, 60c.—No. 16, 75c. Extras net per 100 lb.: Coppered wire, 60c.—tinned wire, $2—oiling, 10c.—special hay-baling wire, 30c.—spring wire, $1—best steel wire, 75c.—bright soft drawn, 15c.—in 50 and 100-lb. bundles net, 10c.—in 25-lb. bundles net, 15c. packed in casks or cases, 15c.—bagging or papering, 10c.
Fine Steel Wire, dis. 12½ per cent. List of extras: In 100-lb. lots: No. 17, $5- No. 18, $5.50— No. 19. $6—No. 20, $6.65—No. 21, $7—No. 22, $7.30—No. 23, $7.65—No. 24, $8—No. 25, $9—No. 26, $9.50—No. 27, $10—No. 28 $11—No 29, $12- No. 30, $13—No. 31, $14—No 32. $15 No. 33. $16—No. 34. $17. Extras net—tinned wire. Nos. 17-25 $2—Nos. 26-31, $4—Nos. 32-34, $6. Coppered, 5c.—oiling, 10c.—in 25-lb. bundles, 15c.—in 5 and 10-lb. bundles. 25c.—in 1-lb. hanks, 50c.—in ¼-lb. hanks, 75c.—in ⅛-lb. hanks, $1—packed in casks or cases, 15c.—bagging or papering, 10c.
Galvanized Wire, per 100 lb.—Nos. 6, 7, 8, $4.25—No. 9, $3.5?—No. 10, $4.40—No. 11, $4.45—No. 12, $3 70—No. 13, $3.45—No. 14, $3.00—No. 15, $3.30—No. 16. $5.50.
Clothes Line Wire, 19 gauge, per 1,000 feet 3 30

WIRE FENCING.

F.O.B Toronto

Galvanized, 4 barb, 2¼ and 5 inches apart	.... 3 60
Galvanized, 2 barb, 4 and 6 inches apart	.... 3 60
Galvanized, plain twist	.... 3 60

Terms, 2 per cent. in 10 days.

WIRE CLOTH.

Painted Screen, per 100 sq. ft., net ... 1 90
Terms, 4 months, May 1. ; 3 p.c. off 30 days.

WRENCHES.

Acme, 35 to 37½ per cent.
Agricultural, 60 p.c.
Coe's Genuine, dis. 20 to 25 p.c.

Towers' Engineer, each	2 00	00
" S., per doz	5 80	00
G. & K.'s Pipe, per doz	....	3 40
Burrell's Pipe, each	....	3 00
Pocket, per doz	0 25	2 90

WRINGERS.

Leader ..... per doz.	$60 00
Royal Canadian ..... "	58 00
Royal American ..... "	48 00

Discount, 45 per cent.; terms 4 months, or p.c. 30 days. Prices are f.o.b. London Hamilton Toronto, Brockville or Montreal.

WROUGHT IRON WASHERS.

Canadian make, discount, 25 per cent.

WELLAND CANAL.

Tenders for Supplies for the Year 1900.

SEALED TENDERS for supplies, addressed to the Superintending Engineer, Welland Canal, St. Catharines, will be received until 16 o'clock on Wednesday, January 10, 1900, for the supply and delivery of various articles of Timber, Hardware, Castings, Fuel, Paints, Oils, etc., for use on the Welland Canal and its branches for the year 1900.

Specifications, forms of tender, and other information can be obtained at the Superintending Engineer's Office, St. Catharines, on and after Thursday, December 21, 1899.

The lowest or any tender not necessarily accepted.

L. K. JONES,
Secretary,
Department of Railways and Canals.

OTTAWA, December 20, 1899. (52)



"BUILD TO-DAY THEN, STRONG AND SURE
WITH A FIRM AND AMPLE BASE."
—Longfellow.

DO YOU?

WISH THUS TO BUILD an advertisement in the CONTRACT-RECORD, TORONTO will bring you tenders from the best contractors.

FULL STOCK

DIAMOND BRAND

SEWER PIPE

WIND GUARDS, CHIMNEY TOPS, FLUE LININGS,
CULVERT PIPES, SEWER PIPES, INVERT BLOCKS.

Manufactured by the

HAMILTON AND TORONTO SEWER PIPE CO.

Hamilton, Ontario. Limited

Deseronto Iron Co.

LIMITED

DESERONTO, ONT.

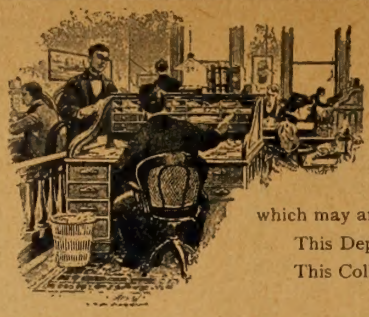
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Charcoal Pig Iron

BRAND "DESERONTO."

Especially adapted for Car Wheels, Malleable Castings, Boiler Tubes, Engine Cylinders, Hydraulic and other Machinery where great strength is required; Strong, High Silicon Iron, for Foundry Purposes.

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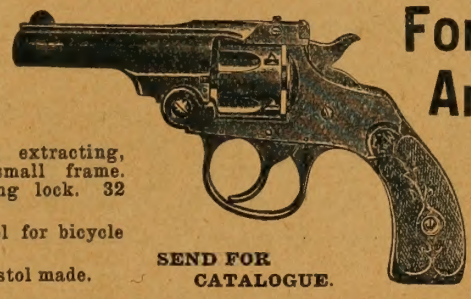
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THOS. C. IRVING, Gen.-Mgr., Western Canada, Toronto, Ont.

PERFECTION AUTOMATIC REVOLVER.



NEW Automatic shell extracting, double action, small frame. Weighs 12 oz. Rebounding lock. 32 caliber. 5 shot.

Made with shorter barrel for bicycle use.

The most perfect small pistol made.

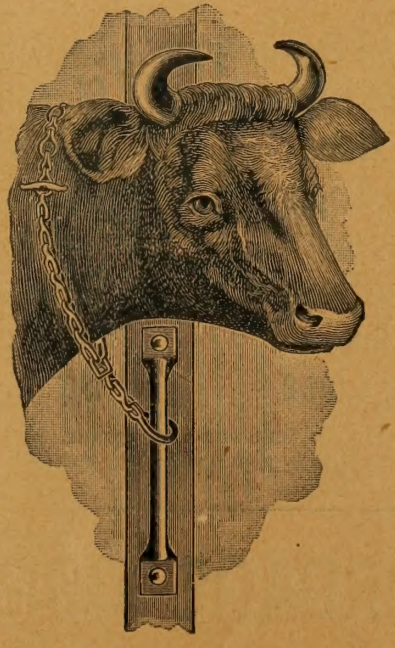
SEND FOR CATALOGUE.

Forehand Arms Co.

Manufacturers of the

Forehand Guns

Worcester, Mass.



Dominion Pattern

Cow Tie AND Stall Fixture

The special features of the tie and stall fixture are well shown in the illustration. As will be noticed the chain is very short which prevents all danger of entanglement with the animal's foot. At the same time the form of the fixture is such that great freedom is allowed to the head. Because of the short chain this tie is much cheaper than the ordinary patterns.

The stall fixture is made from a tough quality of steel and is very strong. Also, owing to its circular cross-section, it is exceedingly rigid. Its simplicity, convenience, cheapness, and ease of attaching make it very popular with cow tie users.

This form of tie and stall fixture are sometimes called Niagara pattern.

American or Flat Link Chain,

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